

```
1
              THE CLERK: Are we ready?
 2
              THE COURT: Absolutely.
 3
              (Jury brought into the courtroom.)
 4
              THE COURT: Go ahead.
5
              BY MR. HOLLEY: Mr. Richardson, I'd like to
         Ο.
   return very briefly to one topic that we talked about
6
   before the break. To your knowledge, no component of
7
8
   Microsoft Office, be that Word or Excel or PowerPoint or
9
   Access or Outlook used the NameSpace extension API's to
   add custom containers to Windows explorer, right?
10
11
              I have no knowledge of whether they did or
12
   not.
13
              You're certainly not here to testify that they
        Ο.
14
   did, are you, sir?
15
              I have no knowledge of whether they did or
        Α.
16
   not.
17
              Okay.
                     Let's go back to DR-6, the objectives
         Q.
    chart. And let's look at number 3, which is the
18
19
   Displaying Novell Technologies Such as QuickFinder in the
20
   Windows explorer. Now, this is something that really was
21
   neither here nor there for WordPerfect and Quattro Pro
   themselves, right?
22
23
              Well, I'm not sure that I'm qualified to speak
24
    to the -- the design decisions and directional decisions
25
    for those applications, but my understanding is that, in
```

```
every environment that WordPerfect was installed,
1
 2
    starting with DOS, that it was their desire to provide a
    good experience for the user that helped the user whether
 3
    they were doing word processing or not. In fact, with
5
    WordPerfect for DOS, it was one of the reasons that
   WordPerfect was the dominant word processor on the
6
7
    operating system.
              So I think it was a very strong desire to have
8
    a positive influence on the environment in which they
9
10
   were installed.
              But, just to be clear, there was no obstacle
11
12
   whatsoever to adding an icon on the Windows 95 desktop
13
    that a user could click on, and it would launch
14
   WordPerfect, and you could have one for Quattro Pro, too,
15
   as well, right?
              To my knowledge, it was not a difficult task to
16
        Α.
17
    add an icon to the desktop.
18
              And, if you clicked on the icon, that icon,
    through shell extension mechanisms, was associated with
19
20
   an executable file, and that file would launch when you
21
   clicked on the icon, correct?
              I'm not sure that was even -- involved shell
22
        Α.
23
    extension technology. A link on the desktop is a fairly
24
    simple thing to do.
```

Okay. So we're agreed that it was simple to

25

Q.

- add an icon for WordPerfect and Quattro Pro to the Windows 95 desktop, right?
 - A. Right.

- Q. And it was also equally simple to add
 WordPerfect and Quattro Pro in the start menu of Windows
 95?
- 7 A. That was not a difficult task.
 - Q. That was not difficult. Okay. Now, you talked a little bit this morning about living in applications and living in Windows explorer. Have you ever had any occasion to look at any market research conducted, since the middle of 1994, to see what percentage of users, instead of clicking on an icon on the desktop or hitting start and using the start menu to launch an application, instead, went start, Windows explorer, went into the Windows explorer tree view and then used that to launch
 - A. I was not involved with determining user intent or to finding what the best experience was for users. I was a software developer not a user experience designer.
- 22 Q. You use Windows 95, or you did, right, sir?
- 23 A. I have used Windows 95.
 - Q. Right. And do you use Windows 7 now?
- 25 A. No, I do not.

an application?

- You do not. Okay. Well, when you did use 1 Q. 2 Windows 95, was it your common practice to not use the 3 icon on the desktop or use the start menu but, instead, go into Windows explorer into the tree view and use that 5 to launch applications? I frequently used the right mouse and executed 6 Α.
 - applications from an object.
- So, what you would do is drag a Corel Q. Right. WordPerfect document to your desktop, and, thanks to the shell extension mechanisms, that document, letter to mom, dated August 5, if you clicked on that document, you 12 could run it right off the desktop, correct?
- 13 Α. So I think maybe you misunderstood, or I didn't 14 make clear my answer.
 - Q. Okay.

8

9

10

11

15

24

- 16 I usually navigate to the file and then right 17 click on the file and run the application from there. 18 That's my general practice.
- 19 Okay. Fair enough. Okay. So you could go to 20 My Files and go into any of the documents listed in My 21 Files and click on those, and, thanks to the 22 object-oriented nature of Windows 95, each of those files
- 23 was linked to an application; isn't that right?
 - So, a file can be linked to an application. Yes, that's true.

1 Q. Okay.

- A. I'm not sure what the question was.
- Q. No. I'm just trying to explore the ways you used Windows 95. So, when you launched applications in Windows 95, you would go into the file system, find the document that you wanted to use, and then run it from that icon, correct?
- A. That was my practice, and that's still generally my practice.
 - Q. That is still your practice. It was even easier to do that, wasn't it, sir? You could drag that letter, whatever document you were particularly interested in, you could drag it from the file system and leave it on the desktop, and if it was some report you were working on for your boss, you could leave it on the desktop, and when you clicked on that document, the application would launch, right?
 - A. That is possible to do that, yes.
 - Q. Now, let's turn to objective number 4, which is Displaying Novell Technologies Such as Quick Finder in the Windows 95 Common File Open Dialog. Now, because WordPerfect and Quattro Pro were not going to use the Windows common file open dialog for all the reasons you have told us several times this morning, this didn't matter, right? It didn't matter to WordPerfect and

```
Quattro Pro, as such, that Novell technologies like Soft
1
 2
    Solutions, the email client, the clip art library showed
    up in the common file open dialog that other applications
 3
 4
    used?
5
              So, I don't recall ever having that
   conversation with developers in WordPerfect or Quattro
6
7
   Pro, with regard to their desires about the file open
   dialog. However, the functionality, the file
8
9
    functionality that was provided by WordPerfect, both
    Windows 3.1 and in DOS, was extremely important, and that
10
11
   was a common theme.
12
              Okay.
                     I -- with the thanks to my colleagues on
         Ο.
13
    the other side, I'm wondering if we can show what
14
   Ms. Vishio showed you this morning, which is
    Demonstrative Exhibit 16.
15
16
              Could we show that, please.
17
              Now, as I understood your testimony, this was a
18
   mockup -- you're not suggesting that this was ever in a
19
    shipping product -- but this is a mockup of what you
20
    would have liked to have done with the NameSpace
21
   extensions in a file open dialog. Did I understand your
    testimony correctly?
22
23
                    I believe that's correct.
        Α.
              Yes.
              Okay. And if you -- if Novell's view of the
24
         Q.
   world had come to be, this extended NameSpace would have
25
```

- shown up not only in the file open dialog for Novell's 1 own applications, it also would have shown up in the 2 Windows explorer tree view, and it would have shown up in 3 4 the Windows common file open dialog that other 5 applications used; is that right? Α. That's correct. 6 7 Q. Okay. Did you give any thought, sir, as to 8 what would happen to a user if seven different 9 applications added four new NameSpaces, so that every 10 time you tried to find a file, there were 28 NameSpaces 11 that had nothing to do with the application that you were 12 running, but they were all there for you to look at? 13 you think about that? 14 Α. I don't recall that ever being part of our 15 discussion. Well, that would be terrible for users, 16 Ο. 17 wouldn't it? It would be very confusing. If I opened Quicken, which is a, you know, check balancing program, 18 19 and suddenly I see 28 NameSpaces in this very, very long 20 file dialog, I have no idea what they are doing there; 21 isn't that right? 22 Α. That would be conjecture on what a user might 23
 - experience there. I don't know that I could predict what a user's reaction would be.

25

So you can't tell me, one way or the other, Q.

```
whether seeing 28 random NameSpaces inside Intuit's
1
 2
    Quicken, would or would not be confusing to novice
 3
    users?
              I'm not sure what's meant by random NameSpaces,
5
   but I couldn't predict what the behavior would be, what
    the reaction might be.
6
7
         Q.
              But you do agree with me that, if everyone had
    used the NameSpace extension mechanism the way Novell
8
9
    intended to use it, the Windows common file open dialog,
10
    the basic file open dialog that Microsoft made available
11
    to all applications, could have been completely trashed
12
   up with all sorts of NameSpaces provided by all sorts of
13
             Isn't that right?
   people.
14
         Α.
              My experience was that our NameSpaces did not
15
    show up in the file open dialog, so that would not have
16
   happened.
17
              But, sir, that wasn't my question,
         Q.
18
   Mr. Richardson. My question was, if you had been able to
19
    do what you wanted to do, as you've testified this
20
   morning, if you had been able do that, and all other
21
    ISV's had been able to do that, the Windows common file
    open dialog could potentially have hundreds of
22
23
                Isn't that right?
   NameSpaces.
              The fact that it didn't allow it, maybe
24
25
   precluded us from even considering that possibility.
```

However, not all of our NameSpaces show up in every container. So, a variety of our NameSpaces would not have shown up here. There were some that we wanted to put here, but simply the introduction of additional NameSpace doesn't mean it would have shown up on My Computer. Not all NameSpaces show up under My Computer.

- Q. Well, I appreciate that, sir, but the way that the mechanism worked, you could have added whatever NameSpaces you wanted, right? You could have added a thesaurus NameSpace, a spell checker NameSpace. You could have added all of those NameSpaces to the Windows explorer and to the Windows common file open dialog; isn't that right?
- A. Well, no, we couldn't have added them to the file open dialog because our NameSpaces wouldn't show up there at all, and I don't recall any intent to ever add a speller or thesaurus to the explorer.
- Q. All right. I appreciate that you want to tell me things, but I want you to answer my questions. I asked you that, if you had been able to do what you say this morning that you wanted to do, okay? You're with me so far? You could have added NameSpaces for an infinite number of Novell technologies to the Windows common file open dialog; isn't that right?

- A. I don't recall every having the intention to add any significant number, certainly not an infinite number of NameSpaces to either the explorer or the file open dialog.
- Q. All right. You can't answer the question that
 I asked you, sir?
- 7 A. I believe that I answered the question. Maybe 8 I didn't understand it.

- Q. Okay. Sorry. Then that's probably my fault. But let me ask you one more time. If Novell had been able to do what you said this morning that Novell wanted to do, which is to add NameSpaces, both to the Windows explorer and to the Windows common file open dialog, there was no limit imposed by the system, by Windows 95, on how many NameSpaces you could have added; isn't that right?
- A. It was never our intent to add a large number of NameSpaces. The operating system, to my knowledge, does not have any constraints that would preclude us or anyone else from adding any number of NameSpaces to any of the containers that allowed you to add NameSpaces within them.
- Q. Thank you, Mr. Richardson. I'd like you to look, if you would, sir, at what's been marked as Defendant's Exhibit 8. Mr. Richardson, this document --

```
you can ignore the November 5, 2008 date. That is an
1
 2
   unfortunate relic of automatic dating programs which date
 3
   documents the date they are printed, but, so, please
    ignore that, that's -- this was produced by Novell that
5
   way, and it's not anybody's fault. But, have you seen,
   before, this WordPerfect Windows 95 shell integration
6
7
    feature documentation document?
              I don't recall seeing this while I was working
8
         Α.
    at Novell.
9
              All right. On page 2, there's a reference to a
10
         Q.
11
    series of meetings that were held on August 31, September
12
    23 -- these are all 1994 -- August 31, '94, September 23,
13
    '94, and September 30, '94. Do you see that sir?
14
        Α.
              You're on the second page?
15
              Yes, sir.
         Q.
16
              Yes, I. --
        Α.
17
              There are three meetings referred to.
         Q.
18
              I see that.
         Α.
19
              Okay. And each of these meetings Adam Harral
         Ο.
20
    is listed as being present. Do you see that, sir?
21
        Α.
              Yes.
              Did Mr. Harral discuss with you, because you
22
         Q.
23
    were working with him on the shared code team, what
24
    transpired at this Windows 95 shell integration, these
25
   meetings that were being held in the fall of 1994?
```

1 A. I don't recall this particular meeting.

understanding, sir?

- Q. I'm sorry, sir. I didn't hear your answer.
- 3 A. I don't recall this particular meeting.
- Q. You don't recall. And do you recall being told anything by Mr. Harral about what transpired at any of these three meetings?
- 7 A. I don't recall talking with Adam about -- 8 specifically about these meetings.
 - Q. Okay. I'd like you to take a look, if you would, sir, to the page -- and I'm looking at these control numbers down at the bottom. It's 41719. The internal page is 6. Maybe we should look at the previous page, 5, first. Now, this, as I understand it, is a list of various shell extensibility features that might have been included in Windows -- excuse me -- in WordPerfect for Windows 95, but were not. Is that your
 - A. I haven't read this document. I'm not familiar with what's being discussed here.
 - Q. Okay. Well, I appreciate that you haven't read it, sir, but I just -- were you aware that there were certain shell extensibility features that WordPerfect for Windows 95 might have had but were not included in the product because the operating system, as designed, did not support that kind of extensibility?

- A. Well, I believe I already testified earlier that we had wanted to make extensions for the common file open dialog but we decided not to. I'm not sure what the question is.
- Q. Well, I heard that testimony, and I appreciate that. I was wondering whether you were aware of the fact that there were other kinds of extensibility features that's a terrible phrase extensibility features that WordPerfect for Windows 95 might have taken advantage of but didn't because those extensibility features were not supported by Windows 95 as Microsoft designed the product?
- A. So, let me see if I understand the question.

 You're asking if I was aware that there were features
 that weren't supported in Win 95 that Perfectfit decided
 not to make use of?
- Q. No. A different question, different question, I'm asking you whether you were aware of the fact that the people developing WordPerfect, the word processing application, thought about various ways that they might extend the shell of Windows 95 but decided not to because they discovered that the way that Microsoft had written the operating system, those sorts of extensions weren't possible?
 - A. I was not part of that conversation.

You were not part of that conversation. 1 Q. 2 Directing your attention to page 6, Item K at the bottom. 3 Can you highlight that, please? 4 This, as I understand it, is referring 5 to what we've been talking about this morning, both Ms. Vishio and I have been talking to you about this 6 7 morning, which is registering custom folders, which 8 function as object containers with the same behavior as a 9 folder. That is a custom NameSpace, right, that's just a different formulation --10 11 Α. Correct. 12 O. Of words? 13 Α. Correct. 14 Q. Okay. It says this type of shell extension is 15 referred to as a NameSpace browser. And you're familiar with that terminology, are you not, sir? 16 17 Α. I am familiar with that terminology. 18 And it says, to the user: "It appears that the 19 shell understands an application hierarchy that is not 20 part of the file system. Custom folders are designed 21 such that a hierarchical relationship" -- excuse me "--22 such that hierarchical relationships and contents can be 23 displayed in the appropriate panes of the file browser 24 window." So this is what Novell, according to your 25

```
testimony, wanted to do, wanted to add the soft solutions
1
 2
    document management program, the email client, the clip
 3
    art library, to the explorer tree so that it looked like
 4
    file folders, basically, in the --
 5
              THE COURT REPORTER:
                                   In the what?
6
              MR. HOLLEY: In the directory. I'm sorry.
                                                          I
7
   need to speak more clearly.
8
                            I'm sorry. That was a long
              THE WITNESS:
9
    question. Could you repeat it for me?
10
         Q.
              BY MR. HOLLEY: Yes, it was. And it didn't
   help that I trailed off at the end. Your testimony today
11
12
    is that Novell wanted to do what this is describing,
13
   which is add soft solutions and email client and the clip
14
   art library as custom containers with the same behavior
15
   as a folder; is that right?
              Yes. That's correct.
16
        Α.
17
              Okay. And then, in bold down here in this
         Q.
    document it says: "We will not take advantage of this
18
19
    feature since Microsoft has discontinued support of the
20
   required API's since this document was originally
21
   written."
              And I invite you to take as much time as you
22
23
   want to look through this document, but my question to
24
   you, sir, is, is there any indication in this document
25
    that the inability to do this is a problem for
```

```
WordPerfect?
1
              I haven't read the document, and I wasn't part
 2
        Α.
 3
    of this meeting. I wasn't part of the production of this
 4
    document, so I don't know that I could comment on the
5
    intent of the people who wrote this.
              Well, let's take a look at Mr. Harral's
 6
         Ο.
7
    testimony at page 327 of the trial transcript. Do you
8
    still have that up there, Mr. Richardson?
9
        Α.
              Yes, I do, thank you.
              It's in different pieces, so I'm not sure if
10
         Q.
11
    327 is in that piece.
12
        Α.
              No.
                   I don't have that.
13
              Okay. Just because you're probably inundated,
         Ο.
14
    can I take that back and get you the right one? Okay.
15
    There you go. I got you the right page, I think. Now,
16
    I'm particularly interested in the question and the
17
    answer, but, you know, read around as much as you want.
    This isn't some kind of a gotch-ya game, but starting to
18
19
   page 10 the question was asked: So the shell integration
20
   being talked about in this document with respect to
21
   WordPerfect, the word processor, and Mr. Harral says
22
   uh-huh, and we go down further.
23
              Did that have anything to do with the NameSpace
24
   extension API's?
25
              And he answered: "I don't know anything that
```

```
WordPerfect, " the word -- excuse me -- "WordPerfect word
1
 2
   processor needed to do for a NameSpace extension."
 3
              You have no basis to disagree with that
 4
    testimony, do you, sir?
 5
              I'm sorry. Can I read that again?
        Α.
                     Sure.
 6
         Q.
              Sure.
 7
         Α.
              I'm sorry. And the question was?
 8
              The question is, you agree with Mr. Harral,
         Q.
9
    right? You don't know of anything that WordPerfect, as a
    word processor, needed to do vis-a-vis NameSpaces?
10
11
              I'm sorry. The question isn't clear.
12
    question he is responding to is what? What was the
13
    question that he was responding to?
14
         Ο.
              Well, you know, I guess you will have to go up
15
    one page to see the very first part of this dialog.
16
              So, I wouldn't have stated it quite the same
        Α.
17
    way he did, where he responds, starting on line 15, on
18
   page 327: "I don't know anything that WordPerfect
19
   processor needed to do for NameSpace extensions. They
20
   did have shell extensions, but I don't recall a NameSpace
21
    extension that they needed to do."
              I believe that what he's saying is that there
22
23
   wasn't a NameSpace that the WordPerfect development group
    was responsible for providing. That's how I would
24
25
    interpret his response, that the shared code group was
```

```
providing all the NameSpace extensions that were required
1
 2
   by the WordPerfect application, but the WordPerfect
 3
    developers, themselves, were not responsible for
 4
   providing a NameSpace.
5
              Okay. So, when Mr. Creighton, back in
         Ο.
   Defendants Exhibit 8 writes, in Item K: "We will not
6
7
    take advantage of this feature since Microsoft has
8
   discontinued support of the required API, since this
    document was originally written," he meant we wouldn't
9
   write something?
10
              I don't know what Mr. Creighton meant.
11
12
              Okay. Now, did I understand you correctly this
         Ο.
13
   morning, Mr. Richardson, to say that, between the receipt
14
   of the M6 documentation in June of 1994, for the
15
   NameSpace extension API's, and October of 1994, when
16
   Microsoft informed Novell that it no longer was
17
    committing to support those API's in the future, that you
   had already written code that called upon the API's?
18
19
              That's my understanding.
         Α.
20
         Q.
              Did you write that code, sir?
21
        Α.
              I did not.
22
              Who did?
         Q.
23
              Steve Giles was the primary developer on the
         Α.
    file open dialog functionality, and Adam Harral was the
24
```

technical lead for that group.

1 Q. Did you ever see, with your own eyes, any such 2 code? I did see demos. 3 Α. Okay. You saw demos. Did you see any concept 4 5 design specifications or any other design documents for that code? 6 7 A. I may have, but I don't recall. 8 When were you first told by Novell's legal Q. 9 department that you had an obligation to save documents 10 relevant to this case? I don't recall. 11 Α. 12 O. Was it 2004? 13 Α. I don't recall. 14 Q. Well, you gave a deposition in another case involving Microsoft in December of 2001; isn't that 15 16 right? 17 Α. I was deposed previously about Microsoft, 18 correct. 19 In 2001, correct? Ο. I believe that was the correct date. 20 Α. 21 O. And you were defended at that deposition by 22 Mr. Lundberg, who is sitting in this courtroom, right? 23 Α. That's correct. 24 And you testified at that deposition about all Q. 25 the topics that you've talked about today; is that not

```
right?
1
              I believe we covered many of the same topics.
 2
         Α.
              Did Mr. Lundberg tell you, in connection with
 3
         Ο.
 4
    that deposition, that you should gather together and save
5
    the documents that you had that related to the NameSpace
    extension API's and the requirement of the logo licensing
6
7
   program that you testified about this morning?
8
                          Objection, Your Honor.
              MS VISHIO:
9
   Attorney/client privilege.
10
              THE COURT: Why don't you ask if anybody.
11
              MR. HOLLEY: Fair enough, Your Honor.
12
         Ο.
              BY MR. HOLLEY:
                              In connection with that
13
    deposition back in 2001, where you testified about the
14
    topics that you've testified about today, did anyone at
   Novell tell you that you should gather together and save
15
16
    the documents that you had that relate to NameSpace
17
    extension API's and the compatibility requirement of the
18
    logo licensing program?
19
              THE COURT: And you have a continuing objection
20
    to this whole line.
21
              MS. VISHIO: Thank you, Your Honor.
22
              THE COURT: Go ahead.
23
              THE WITNESS: As I recall, I no longer had any
24
    documentation on my machine related to either of those
25
    issues, and the documentation that was available was
```

```
either available on network drives or the email system,
and so I wouldn't have had anything to gather. I don't
recall specifically being told to gather documents, but I
didn't have anything left on my computer that -- to be
gathered. I no longer had a copy of the source at that
point. I no longer had even the same computer that had
been used to develop Win 95.
```

Q. Had someone told you, back in 1994, to save those things, you would have done it, wouldn't you, sir?

- A. I'm sure if I had been asked to preserve some document, I would have made an attempt to do so.
- Q. And you threw those documents away in the ordinary course of business because no one told you not to; isn't that right, sir?
- A. I don't recall specifically throwing away any documentation. Most of the documentation was maintained on the network or in document management systems or in the email archives.
- Q. Do you know whether the email archives that existed in the document management systems that existed in October of 1994 were still around in 2007, when Novell responded to Microsoft's document requests in this case?
 - A. I don't have any knowledge of that.

- Q. There was a policy in the shared code group,
 sir, wasn't there, that you were supposed to store both
 design specifications and source code on particular
 network drives in the Novell computer system; isn't that
 right?
 - A. That's correct.

- Q. That is correct. And, to your knowledge, if a concept design specification existed for this code that you testified today was written between June of 1994 and October of 1994, it should have been on the Novell computer system; isn't that right, sir?
- A. I don't have any experience with how they maintain the documentation. I just don't have any knowledge in that area.
- Q. I thought you just told me, sir, that there was a policy in place at Novell that design specifications and code were supposed to be stored on the Novell computer system. That's right, isn't it, sir?
- A. So, what I believe the question was, was, was there a policy within my group. And, yes, there was a policy, a practice within my group to maintain our documentation in a common location in the -- on a network drive. I don't know what Novell's policy -- I don't recall what Novell's policy for retaining documents at that time was.

```
Well, if someone had told anyone in the shared
1
         Q.
    code group, in October of 1994, don't throw away the
 2
 3
    things that are in the shared code group's server shares,
 4
    they would not have been thrown away, would they, sir?
 5
              I would not have thrown them away.
              Now, you testified that after you learned that
6
         Ο.
7
   Microsoft was not committing to support the NameSpace
8
   extension API's in the future, you came to the conclusion
9
    that you couldn't rely on those. Did I understand your
    testimony correctly, sir?
10
              My recollection is that we couldn't depend upon
11
12
    them being there. That was the communication that we
13
   received, based on my conversations with my co-workers,
14
    that they were told that they couldn't count on them
15
   continuing to work.
16
              Well, you're familiar with debugging tools, are
17
   you -- I'm sorry. Ms. Vishio stood up.
18
              MS. VISHIO: I apologize. I don't mean to
19
    interrupt, but I just wanted to make sure that the record
20
    reflected our continuing objection to that prior line of
21
    questioning.
22
              THE COURT:
                          Sure. Absolutely.
23
              MS. VISHIO: Yes.
                                 Thank you, Your Honor.
24
              THE COURT:
                          I'm sorry. I thought I said
25
    that.
```

```
1
         Q.
              BY MR. HOLLEY:
                              I'm sorry, Mr. Richardson,
    that -- Ms. Vishio needs to make a record, and she wasn't
 2
 3
    trying to interrupt us.
 4
              You are aware, are you not, sir, that there are
5
    things called debugging tools and other reverse
6
    engineering tools that application developers can use to
7
    find interfaces in an operating system even if Microsoft
   has never documented them, right?
8
9
        Α.
              Debugging tools can be used for a variety of
10
   purposes, among them for reverse engineering.
11
                     In fact, you are aware, are you not,
12
    sir, that entire books were published about how to call
13
    undocumented interfaces in Windows 95, for example,
14
   right?
15
              That may be the case.
         Α.
16
              All right. Well, have you ever seen this book?
         Q.
17
    It's a very thick book, entitled Unauthorized Windows 95,
   by a man named Andrew Schulman. Have you ever seen that
18
19
   book, sir?
20
         Α.
              I have seen that book.
21
         Ο.
              Okay. You have seen that book before. And the
   entire book is about interfaces in Windows that
22
23
   Mr. Schulman discovered using reverse engineering tools
24
    and then he explains to software developers how to call
25
    them; isn't that right?
```

```
I believe that's a correct characterization of
1
        Α.
 2
    this book.
              THE COURT: Ms. Vishio, there's only one copy
 3
 4
    of the book. I just told Ms. Vishio if she wanted to
5
    look at it, she could.
              MR. HOLLEY: Yeah, Your Honor, I'm sorry.
6
7
   Amazon only has limited numbers of ancient books, but
8
    that's the book.
9
              THE COURT: Some may say that's one too many.
10
              MR. JOHNSON: I've got a copy, Your Honor.
11
    should have brought it.
12
              MR. HOLLEY: All right. Well, it's no
13
   secret.
14
         Ο.
              BY MR. HOLLEY: Now, how is, Mr. Richardson,
15
    that it's possible for Mr. Schulman to write an entire
16
   book about interfaces as to which Microsoft has never
17
   provided any documentation, but you testified that Novell
   couldn't call API's that had already been documented in
18
19
   the M6 Beta of Windows 95?
20
        Α.
              So, I don't have any knowledge of how Andrew
21
   Schulman did his work, the time period he did it, nor the
   period of time it took him to accomplish that work, nor
22
23
   do I know what level of cooperation he had with Microsoft
24
    to achieve that. My -- I'm sorry. What was the rest of
25
   the question?
```

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- Q. The question is, if Mr. Schulman can find all these interfaces inside Windows 95 that Microsoft has never published and write a book in which he explains how to call them, how is it that you, at Novell, could not call interfaces that Microsoft had documented?
- So, I believe I've covered this. I'll try to Α. cover it again. Perhaps it was unclear. The API's that were called were -- were understood, and we provided those to common NameSpace. It was documentation that was not provided that caused us a problem, and then building up the infrastructure that made use of the calls to those API's that was the complexity. That was what took the time. Simply calling these API's was simple. We had the documentation. We knew how to call them. It was the documentation that wasn't exposed plus building up that whole system that made use of those API's, that was the complexity for us at the time, and, in addition, putting the wrappers around the pieces that Microsoft had provided because we didn't know how it was that the system was talking to them.
 - Q. Mr. Richardson, I'm going to give you analogy and see whether you agree with it. Your testimony is equivalent to saying: I didn't know how to open the door to the house, so I decided to rebuild the entire house. Isn't that what you're saying?

1 I wouldn't characterize it that way. Α. 2 But that's exactly what you did? Q. I could provide my own analogy if you'd like. 3 Α. 4 Q. Actually, you don't get to ask the 5 questions. It may not seem fair. I do, but what you did is, because you didn't feel that you could call the 6 7 API's, you decided to reimplement them, meaning to write all of the code underneath those API's yourself. That's 8 what you did, didn't you? 9 Once again, we didn't reimplement the 10 Α. 11 Everybody who provided a NameSpace provided the 12 So the implementation of the API was constant. 13 That was done prior to us having the documentation 14 retracted. The difficulty was creating up, once again, the infrastructure that made use of those API's. 15 16 All right. So, your testimony is that, before Q. 17 October of 1994, Novell had already written the implementation of the 16 or 17 interfaces that we had 18 19 looked at earlier. That's your testimony? 20 Α. I'm sorry, could you repeat that? 21 Ο. Sure. 22 Can we put that up again, the list of the 23 interfaces? I forget the DR number. Bear with me one 24 moment, Mr. Richardson. So it's DR-5.

So, it's your -- I'm not trying to put words in

25

```
your mouth, I'm just trying to understand what you're
1
 2
    telling me. You're telling me that, before October of
 3
    1994, when Novell learned that Microsoft was not
 4
    committing to support the NameSpace extensions in the
5
    future, Novell had already written the code to implement
   all of these Comm interfaces?
6
7
        Α.
              So, my testimony is that Steve Giles, in
8
   working with the documentation for Microsoft, had written
9
    our own file open dialog that made use of the interfaces
10
   provided by Microsoft necessary to interact with the
11
   NameSpace extensions.
12
              I was not yet involved with the file open
13
   dialog at that point. I wasn't directly working on that
14
   code.
          It was in my group. We shared a technical lead,
15
   but I wasn't working on that work directly, so some of
    these API's are not used by NameSpaces directly. Some of
16
17
    them are used to provide functionality; for example, the
18
    IContext menu, that wouldn't necessarily be directly
19
   used, wouldn't be implemented by the file open dialog.
20
    It would be implemented by someone who wanted to extend
21
    that particular API.
22
              So, I'm not sure I can answer your question.
23
    It groups things together probably that I wouldn't group
24
    together.
25
         Q.
              It's my fault, I'm sure. I thought -- I
```

understood you to say earlier that Steve Giles, between

June and October, wrote a Perfectfit file open dialog

that called the NameSpace extension API's in Windows 95,

and you weren't happy with the performance of that file

open dialog. Did I understand that much of your

testimony?

- A. Steve Giles created the file open dialog. At the point where he was nearing completion of that, and as we were trying to optimize and work through the final issues, we discovered performance issues that were unacceptable.
- Q. Okay. And then you went to a different option, which was to reimplement these interfaces yourself, right? Instead of calling them in Windows, you were going to implement them yourself in code that the shared code team wrote?
- A. I also wouldn't call that an accurate characterization. The implementation -- the browser calls these interfaces. It provides some of these interfaces, but most of these interfaces are provided by other pieces of code that are the ones that actually provide the functionality. The file open dialog is providing the environment in which they are called, and so, we didn't implement most of these interfaces.

We made use of them in the file open dialog --

Q. Okay. I think --

- A. -- so we didn't decide to reimplement these interfaces, no. That wouldn't be accurate.
 - Q. Okay. I think you and I are having a terminological problem, and that's my fault, I'm sure.

 When -- you're using the word "implement" to say call the interfaces?
 - A. No, sir. I am using the word "implement" to mean I provide this interface, and someone can call it.
 - Q. Okay. So there are one of two choices, right? Either these interfaces, which are in Windows 95 are being called in the operating system, or somebody wrote code at Novell so that, when somebody else called the interface, the same functionality that the operating system was going to supply to the calling program was supplied. You agree with that right?
 - A. I believe that's technically inaccurate. Every NameSpace or -- there's other objects that provide some of these extensions as well, but every piece of code that wants to provide functionality provides these interfaces and then they are called by a NameSpace browser. The explorer is a NameSpace browser, the common file open dialog is a NameSpace browser, our open dialog is a NameSpace browser. So we made use of, we called the API's as implemented by the NameSpaces. Some of those

NameSpaces were provided by Microsoft. 1 2 We did not rewrite those NameSpaces. We did 3 put wrappers around them because we needed to get access 4 to them in a way that we didn't know how to talk to them. 5 We did implement our own NameSpaces as well, and in those cases, we did implement these interfaces for those 6 7 objects, but not for the rest of the system. I'd like to show you what's been marked as 8 Q. Defendant's Exhibit 106. Mr. Richardson, this document 9 10 is entitled Concept Design Specification, Perfectfit 95, File System File Open, and it's dated March 31, 1995. 11 12 Have you seen this document before? 13 I don't recall having seen this document. Α. 14 Ο. Well, didn't you work -- weren't you one of the 15 seven people writing the Perfectfit 95 file system file open in March of 1995? 16 17 Α. I was. I just don't recall this document. 18 Okay. Now, directing your attention to the page that has the control number, 6188 at the bottom, 19 20 it's about, I don't know, halfway through this document. 21 It's entitled API Specifications. 22 Can you explain to the jury what this is 23 referring to when it says: "The Perfectfit NameSpace 24 browser component user will need to know about the

following Comm interfaces, although C++ wrappers will be

written for those that want to be insulated from Comm." 1

- And the question is? Α.
- Can you explain what that means?
- 4 It appears, IMoniker is the interface provided 5 by Microsoft that allows you to interact with a file So, I believe that this is saying that the 6 object. 7 Perfectfit NameSpace browser has to understand how to

talk to file objects in Microsoft -- in Win 95.

- Well, how did you understand IMonikerInterface Q. meant or what IPersistStream meant or IStream or IShellFolder? How did you understand what all of these Windows 95 interfaces meant and how they worked, if you never got the documentation from Microsoft that you 14 needed?
 - Α. So --

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- 16 How did you know that? Q.
 - Α. So, these interfaces were among the interfaces presented at that first developer conference. interfaces, the code may have been extracted from the shell obj.h file, the header file which defines interfaces. It looks to me like this interface was simply extracted from that header file.
 - I thought that was just machine documentation that no human being could make any sense of, that shell obj document?

- A. Well, some people don't consider developers human beings.
 - Q. But you and I can read this, right?
- 4 A. It is very technical.

10

- Q. Okay. It's very technical, but the shell obj
 document, which we are going to look at that minute,
 isn't just machine documentation is it? It's a bunch of
 commentary and code written in a computer language that
 anyone with sophistication understands; isn't that
- 11 A. So, my understanding of shell obj.h is that
- 12 it's a machine-generated file, which means that there's a
- 13 mechanical process that goes through and produces the
- 14 | file based on some input.
- 15 Q. But a man named Satoshi Nakajima, in Redmond,
- 16 | Washington wrote a document called shell obj space
- 17 | 060994, didn't he?

right?

- 18 A. I have no knowledge on that.
- 19 Q. You don't know one way or the other, do you?
- 20 A. I don't.
- 21 MR. HOLLEY: Could we look at what's
- 22 Defendant's Exhibit 142, please.
- Q. BY MR. HOLLEY: Now, you'll agree with me that
- 24 this document, which says it's copyright Microsoft
- 25 | Corporation 1991 to 1994, is the documentation that

```
Novell got with the M6 Beta of Windows 95 in June of 2 1994, correct?
```

- A. This looks like a copy of -- a correct copy of shell obj.h, and I don't think I could testify as to when this was produced or to whom it was delivered, when.
- 6 Q. When did you first see it, sir?

- A. I believe I probably saw parts of this information at the initial conference in 1993. It was probably available with some of the Betas. I didn't have primary responsibility for this, so Steve Giles would have been introduced specifically to the contents of this file before I was. I probably started working directly with this file after the documentation was retracted.
 - Q. All right. You used the word "probably" an awful lot in that answer, so I would like to probe what it is you remember. You don't remember getting this document, dated June 6 -- or excuse me -- June 9, 1994, at some conference in 1993, do you?
- A. I remember having this file and looking through this file. I don't recall the specifics of how it came into my possession.
- Q. Right. You don't have any memory about when you first got it, do you, sir?
 - A. I don't know.
 - Q. Okay. So, every line in this document that

```
begins with two slashes, that is in English, is it not?
1
 2
    If you look through this entire document, every line that
 3
   begins slash, slash is a comment, and it's in English,
 4
    readable by any of us in this room; isn't that right?
5
              That may be an over generalization, but they
   are comments meant to help clarify the code.
6
7
         Q.
              They are documentation of the code, are they
   not, sir?
8
9
        Α.
              They are comments that provide additional
    information about the code.
10
              All right. Well, let's look at page 2 at
11
12
    IContextMenu just as an example.
13
              Could we blow up the bottom part of that, that
14
   ends under the dash marks. So, this -- all of this is
15
   commentary because it all begins slash, slash, and,
16
    therefore, it's all a comment field. It's not machine
17
    language. It's English. And what it does is it explains
   what this API called IContextMenu does, and it tells you
18
19
   how to invoke it, and it tells you what to expect when
20
   you do invoke it; isn't that right, sir?
21
        Α.
              Let me read the documentation for a moment,
22
   please.
23
        Q.
              Sure.
                     Sure.
24
              THE COURT: You're idea of English is different
25
    from mine.
```

```
1
              MR. HOLLEY:
                           I guess the beauty is in the eye
2
    of the beholder, Your Honor.
 3
              THE WITNESS: Okay.
                                   I'm sorry.
                                               What was the
 4
    question, again?
5
              My question is, this is documentation of what
    the interface called IContextMenu does, right?
6
 7
        Α.
              This covers that functionality, that's correct.
              And if we looked through this document, we'd
8
         Ο.
    see similar documentation, and I invite you to -- we
9
   don't all want to sit here while you do it -- but there
10
    is documentation for each one of the shell extension
11
12
   API's in this document in these similar sorts of comment
13
    fields.
             That's correct, isn't it, sir?
14
         Α.
              The documentation here provides much
    information but doesn't necessarily provide all
15
16
    information necessary to be able to invoke it or to make
    use of it.
17
18
         Q.
              Well --
19
              It describes how it's invoked, but it doesn't
20
   necessarily -- this particular example, the documentation
21
    appears fairly complete, but that isn't necessarily the
    case for each of the items, interfaces described here.
22
23
    They cover some of the information that you need to
24
    implement it, not necessarily all the information you
25
   would need to invoke it.
```

Well, would you agree with me that Microsoft 1 Q. 2 has created a gold standard for documentation where, not 3 only does it tell people what interfaces do and how to 4 call them and what to expect, but Microsoft, in --5 through the Microsoft developer network, gives people sample code that calls interfaces, and it provides long 6 7 written explanations for how to do that, but all of that fancy documentation is not necessary for very 8 9 sophisticated software developers who are experts at 10 Windows programming. Isn't that right? 11 Well, there's a number of assertions there. Ι 12 think Microsoft does do a good job of documentation. 13 There are certainly others who do an equally good job 14 with documentation. The amount of documentation related 15 to the number -- or the expertise of the developer, I'm not sure I would necessarily agree with that 16 17 categorization. 18 An expert developer may not need to ask much example code, but he certainly still needs an explanation 19 20 of all of the syntax and semantics of every API. 21 Ο. Okay. But that's in this document, is it not? The syntax and the semantics of every one of these API's 22 23 is in this document, and somebody who is an expert 24 Windows programmer can do it because Steve Giles did.

25

Isn't that right?

```
Steve -- you have already testified that Steve
1
2
   Giles of Novell, in the shared code team, took this
 3
    documentation and wrote a file open dialog. That's your
 4
    testimony; isn't it, sir?
5
              MS VISHIO: Objection. Compound.
6
                            So, which question would you like
              THE WITNESS:
7
   me to answer first?
8
              THE COURT: And I'll sustain the objection.
   Break it down.
9
10
                          All right.
              MR. HOLLEY:
                                       I got carried away.
11
              BY MR. HOLLEY: We know that you can use this
12
   documentation to write a file open browser that calls the
13
   Windows 95 shell extension API's because Steve Giles,
14
   according to you, did it between June and October of
15
   1994.
16
              So, Steve made use not only of this
        Α.
17
   documentation but also extensive support. From my
18
   recollection of conversations with him, he indicated that
19
   he needed significant support from premier support and
20
    through the CompuServe forum in order to complete the
   work that he did.
21
              Which he apparently got, right, because he did
22
         Q.
23
    it?
24
        Α.
              That's correct.
25
         Q.
              Okay.
```

A. To the point that he finished it, he got the support he needed.

- Q. Great. Okay. Now let's talk again about Quickfinder. Now, you said that Quickfinder was part of the WordPerfect word processing application? Did I misunderstand you when you said that?
- A. So, Quickfinder was developed outside of the development group that did WordPerfect, but the integration of Quickfinder into WordPerfect was very tight.
- Q. Well, in fact, Quickfinder was developed by people who didn't even work for Novell, right? It was licensed in from somebody else?
 - The original Quickfinder technology, I believe, it was licensed several years prior to -- that it happened in Windows. I'm not an expert on that technology or how it was licensed.
 - Q. Okay. Now, it wasn't necessary, in order to make Quickfinder prominently available to users of Windows 95, to make it a shell NameSpace extension in Windows explorer, was it?
- 22 A. I'm sorry. Could you repeat that question.
 - Q. Sure. In order to prominently display Novell's Quickfinder technology in the Windows 95 user interface, it wasn't necessary to make it a NameSpace extension in

```
the Windows explorer, right?
1
 2
              I don't believe -- I want to make sure I
        Α.
 3
    understood the question. Your question was that, in
 4
    order to make the functionality prominent to the user?
 5
         Ο.
              Yeah.
              So, I would say that the intention of the
6
        Α.
7
   Quickfinder integration was not to make the functionality
8
   prominent to the user but, rather, to ease the user's
9
    experience and provide a better experience for him. So,
10
    I'm not sure that prominence was necessarily a role.
11
         Q.
              Okay.
12
              Let's look at DR-9 if we could, please.
13
              Now, we made this slide last night, but when we
14
    installed Corel WordPerfect Office that was released in
15
    June of 1994, one of the options that we had was to
16
    install Quickfinder.
17
              THE COURT:
                          What -- I'm sorry.
                           I'm sorry. '96.
18
              MR. HOLLEY:
                                             It would have
19
   been nice if it was '94.
                              The --
20
              MR. JOHNSON: We wouldn't be here, Your Honor.
21
              MR. HOLLEY: Well, we couldn't have been here
   because Windows 95 wasn't out in '94.
22
23
              BY MR. HOLLEY: But, anyway, last night we
         Q.
    installed Corel WordPerfect Office, and it came out in
24
25
    1996, and one of the options that was available was
```

putting the Quickfinder application right on the desktop. 1 2 You're aware that that was possible, are you not, sir? I didn't recall that. 3 Α. 4 Ο. Okay. But you don't have any doubt that this 5 is possible based on what you see here on the screen? No. 6 Α. 7 Q. Okay. And can we look at DR-10, please. 8 9 And this is another way that Novell could have made Quickfinder technology available. In fact, Novell 10 11 did make Quickfinder technology available to users on 12 Windows 95, which was by adding the Quickfinder 13 application to the start menu when you hit the start 14 button. That was a possibility, was it not, sir? 15 Α. It certainly is possible to add Quickfinder as 16 an application to the start menu, yes. 17 Okay. Now, Novell didn't have purely Q. 18 user-friendly interests in heart in making Quickfinder 19 technology prominently available in Windows 95; isn't 20 that right? Wasn't there a competitive motivation for 21 doing that? 22 Α. I don't know that I'm qualified to testify to 23 the -- the desires of the designers of the product with 24 regard to competitiveness. I'm a software developer, and my interaction with Quickfinder was to make the user 25

- experience better. The interaction that I had with those that set the direction of the product with regard to Quickfinder was ease of use and functionality provided to
- Q. Would you feel differently about what you were doing if you knew that the people, who did run the Quickfinder product, thought that it -- making it visible in Windows like this was a way to deflate Microsoft's future operating system plans?
 - A. I'm not sure. The question is -- you're asking me to speculate on what my feelings might have been if some information had been available to me 17 years ago?
 - Q. Yes.

10

11

12

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14

21

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23

24

25

the user.

- A. That I didn't have then?
- Q. Right. Well, you've been testifying today,
 without any apparent problem, about things that happened
 17 17 years ago, right?
- 18 A. I'm just asking if that's what you're asking.
- 19 Q. Yes, sir. That is exactly what I am asking 20 you.
 - A. So, I have to think about that because I'm not sure how I would have felt. I can say that I liked the technology, and I liked the integration of the technology. I thought it was really fast. It was very effective at finding things, and I think it would have

```
been a good augmentation to the functionality provided to
1
 2
   Windows users at large.
              It would have augmented the functionality in
 3
 4
    the operating system, and you thought that would be good
5
    for users?
              I think that would have been good for users.
 6
         Α.
7
         Q.
              Okay. You're aware that Microsoft, at this
8
    time, was developing a new object-oriented operating
9
    system called Cairo. The project name was Cairo.
   you aware of that?
10
              I remember hearing about Cairo.
11
12
              Okay. And one of the things that the Cairo
         Ο.
13
    shell, this new object-oriented Cairo shell was going to
14
   do, is make it very easy to find any kind of object
15
    anywhere in the system; isn't that right?
16
              I don't recall the details of the functionality
         Α.
17
    related to search on Cairo.
              You do recall, though, that search was a
18
19
    critical part of the Cairo operating system as it was
20
   being designed in 1994?
21
         Α.
              I don't recall that, no.
              You don't recall? Okay.
22
         Q.
              Let's look at DX-73.
23
```

This is a document entitled Quickfinder 32 bit,

a Chicago Explorer Extension. And it's dated September 6

24

of 1994. And up at the top, in the concept section, this
reflects what you've been telling us today, which was
adding Quickfinder to the Chicago explorer menu to extend
explorer's capabilities gives Chicago users full text
indexing and retrieval, right?

A. It looks like that's what it says.

- Q. Okay. And just so we're all clear, what this is saying is, Novell could have added a product to Windows outside of WordPerfect and Quattro Pro, which would have given users of the operating system something they wouldn't otherwise have, which is text and indexing and retrieval; is that right?
- A. I don't know if there was ever an intent to ship Quickfinder outside the context of WordPerfect and Quattro Pro.
- Q. But you told me this morning, sir, that once Quickfinder was installed, by whatever mechanism; for example, by installing PerfectOffice, that it would be in the system, and it would have placed itself in Windows explorer. In your world, it would have placed itself in Windows explorer and in the Windows common file open dialog, and it would be available even if I never ran WordPerfect once, right?
- A. Once again, it didn't show up in the file open dialog.

- 1 Q. It didn't because of the way you designed the 2 product, but in your vision --
 - I don't believe that is an accurate characterization.

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- Excuse me, sir. I need to finish my question Ο. and then you can answer. If you had been allowed to do 7 what you wanted to do, what you testified this morning on direct that was critical for you to do, Quickfinder, among other Novell technologies, would have shown up, after the installation of PerfectOffice, in the Windows explorer and in the Windows common file open dialog, even if I never once ran WordPerfect or Quattro Pro on my machine. Isn't that right?
 - Α. No, sir. The Quickfinder would not have appeared in the common file open dialog.
 - Q. That was not your plan?
 - Α. The reality was that, when we added extensions, they didn't show up in the file open dialog, the common file open dialog. Whether that was an intent or not of ours, is irrelevant. It didn't work.
 - Ο. Well, I appreciate your view of what's relevant and what's not, sir, but I really do need you to answer the questions that I ask you. And the question that I asked you was, do you -- was it your intention? my question. Was it your intention, in 1994, to have a

system where, if I installed PerfectOffice, I would get 1 2 Quickfinder in the Windows explorer and the Windows 3 common file open dialog even if I never once ran 4 WordPerfect or Quattro Pro? 5 I can't agree with that for two reasons. was not our intent to put our NameSpaces into the common 6 7 file open dialog because it didn't work. We stuck them in, and they didn't show up. So, to suggest that it was 8 9 our intent to do something that we knew wouldn't happen, I don't think that's accurate. The other issue -- I'm 10 11 sorry. Could you repeat the question, please? 12 Well, let me ask you a different one. 13 Steve Giles started writing the code that you testified 14 about just now, in order to call the NameSpace 15 extensions, what he was trying to do, the reason that Steve Giles wrote that code, was so that Novell 16 17 technologies, like Quickfinder, the email client, the 18 Soft Solutions document management system would show up in the Windows explorer and the Windows common file open 19 20 dialog, correct? 21 Α. So, your question is, was the intent of 22 producing the file open dialog or the NameSpaces -- I'm 23 not sure what your question was there -- to augment the 24 functionality of the explorer and the common file open 25 dialog?

1 Yes, sir. Q. 2 I would not agree with that. Once again, Α. 3 it was not our intent to extend the common file open 4 dialog because it wasn't extensible. We had --5 O. Let's focus --MR. JOHNSON: Let him finish. 6 7 MR. HOLLEY: I thought he had. 8 So, it wasn't our intent to THE WITNESS: 9 extend the common file open dialog because we were 10 unsuccessful in doing that. We realized that early on, 11 and that wasn't a goal of ours. That wasn't an intent. 12 Well, let's be clear about chronology, if we 13 I'm asking you about the intent at a very 14 specific period of time, and I ask you to bear with me on 15 this. In June of 1994, when Novell got DX-142, which was the documentation that Microsoft provided in the M6 Beta, 16 17 and Mr. Giles, according to your testimony, began writing 18 a Perfectfit file open dialog for Windows 95, his 19 intention, the company's intention, at that time, was to 20 create a system where Novell could add its own NameSpaces 21 both to the Windows explorer and to the Windows common file open dialog? 22 23 So, the decision to create our own file open 24 dialog followed the evaluation of the common dialog where it was determined that NameSpaces couldn't be added to 25

```
That was one of the reasons we determined to write
1
    it.
 2
    our own file open dialog.
              I'm going to ask you a yes-or-no question, and
 3
 4
    I really need you to answer it, sir. In June of 1994,
5
   when Mr. Giles began writing the file open dialog for
   Perfectfit, is it correct that the intention,
6
7
    at that time, was to add Novell technologies, like
8
    Quickfinder, to the Windows explorer and the Windows
9
    common file open dialog? Yes or no?
              My understanding -- since I wasn't the one
10
   working on it, my understanding, through conversations
11
12
   with Steve and Adam, was that the intent of the file open
13
   dialog, the primary intent of the file open dialog was to
14
   provide file open services for the WordPerfect
15
   applications. It was not -- the primary purpose was not
    to extend the explorer or the common file open dialog.
16
17
              Did I ask you about the primary purpose?
         Q.
   you answer the question, sir, that I asked you?
18
19
              MS VISHIO:
                          Your Honor, he's trying his best to
20
   answer the question.
21
              MR. HOLLEY: He is not, Your Honor.
22
              THE COURT:
                          I think you can say yes or no and
23
    then you can explain it.
              THE WITNESS: Given the number of constraints
24
25
   placed upon the statement, I would have to argue, no, I
```

```
don't believe that was the intent.
1
 2
              BY MR. HOLLEY: Even though you weren't the
         Q.
 3
   person responsible for making that decision at the time?
 4
              I was not the person responsible. I was not
5
    the person who had the intent.
6
              Okay. All right. Let's go back to DX-73.
         Ο.
                                                           Now
7
   we're talking about Cairo, and we're talking about
8
   Novell's desire to add searching and indexing
9
    functionality to Windows 95. Now, in this document,
    under Impact -- we've talked about the concept.
10
11
    concept is to add Quickfinder to the Chicago Explorer
12
   menu to extend explorer's capabilities, giving Chicago
13
   users full text indexing and retrieval.
14
              And then, under Business Opportunity, it says:
    "Microsoft has said that text indexing and retrieval will
15
16
    be part of its future operating system called Cairo,
    which, at best estimates, is one and a half to two years
17
18
    away from shipping."
19
              Were you aware of that at the time, sir, that
20
   Microsoft was developing Cairo, but it was one and a half
21
    to two years away from shipping?
22
         Α.
              I was aware that there were plans for Cairo.
                                                             Ι
23
    don't recall estimates on how long it would take to be
24
    shipped.
```

Okay. And then, under Impact, it says:

25

Q.

```
"WordPerfect, the Novell applications group" --
1
 2
              So that's not just referring to WordPerfect,
 3
    the word processor, that's referring to the whole
 4
    applications group, right?
 5
         Α.
              It sounds like it.
 6
              Okay: "WordPerfect, the Novell applications
         Ο.
7
   group, can provide under Chicago what Microsoft says they
8
   will only do under their future product called Cairo.
9
   Adding this functionality now will popularize Chicago and
   build a customer base with certain expectations, thus
10
11
    delaying the acceptance of Cairo because users will
12
    already have text retrieval and indexing which is faster
13
    than they can get under Cairo."
14
              So, what Novell was doing was trying to make
   Windows Chicago, Windows 95, a better operating system by
15
16
    giving users searching and indexing functionality that
17
    would improve Windows 95, but Novell hoped would delay
    and impede acceptance of Microsoft's next operating
18
19
             Isn't that what this says?
    system.
20
         Α.
              Well, it looks like this was written by someone
21
   named Rodney Smith.
22
              Uh-huh.
         Q.
23
              It appears this may have been his opinion.
         Α.
24
         Q.
              Okay.
25
              THE COURT: And I'm just curious. In Illinois,
```

```
don't they pronounce Cairo, Key-ro? I just wondered
1
 2
   whether people mispronounce this all the time?
              MR. HOLLEY: In Illinois, there is a small town
 3
 4
    that one of my senior partners grew up in called Cairo.
5
              THE COURT:
                          I assumed there was a connection
6
   with Chicago, Capone and Kay-ro. I was wondering if
7
   people had been mispronouncing Cairo all the time.
8
              MR. HOLLEY: No, Your Honor. It was all called
9
    the road to Cairo, so it was Chicago, Nashville, Memphis,
10
    Cairo. So those were the code names. But don't ask
11
   me -- some Egyptologist thought it was very entertaining.
12
              THE COURT: Yesterday, I saw thunder and storm
13
   yesterday, but I don't remember seeing lightening on the
14
   Novell side.
15
              MR. HOLLEY: I think people who make up these
16
   things --
17
              BY MR. HOLLEY: Just to be clear, this is
    another Novell document, right? It says Novell
18
19
   confidential down at the bottom. And it's got an NOV-B
20
   number on it. You're not suggesting that this is
21
   anything but a Novell record, are you, sir?
              I have no knowledge of where this document came
22
        Α.
23
    from.
24
        Q.
              Okay.
25
              I'm not suggesting it did or didn't come from
        Α.
```

```
Novell.
1
              Do you think that Microsoft had an obligation
 2
         Q.
 3
    to help Novell do something that would impede acceptance
    of some new Microsoft product still under development?
 4
5
              I believe that Microsoft had an obligation, as
6
    they worked with us and provided technology to us, to
7
   work with us in good faith, as we worked with them in
8
   good faith.
              But -- I appreciate that.
         Q.
10
              And I believe adding functionality to their
         Α.
11
    existing operating system is acting in good faith.
12
              You thought you were doing them a favor.
13
   were going to make Windows 95 better and thereby help
14
   Microsoft, whether they liked it or not, right?
15
        A.
              We thought it was making the experience better
16
    for users.
17
         Q.
              Okay.
                     But can you answer my question, which
    is, do you think that Microsoft had an obligation --
18
19
              THE COURT:
                          Isn't that really argument?
20
              MR. HOLLEY: Pardon, Your Honor?
21
              THE COURT:
                          Isn't that really argument, as
    opposed to what his opinion is?
22
23
              MR. HOLLEY:
                          Okay, Your Honor. I'll move on if
24
    that's the Court's view.
25
              THE COURT:
                          I can see this opening up a lot
```

```
1
    that I don't want opened up.
 2
              MR. HOLLEY: Okay. Well, all right.
                                                    We'll
 3
   move on.
 4
         Ο.
              BY MR. HOLLEY: Did you have, Mr. Richardson,
5
    any responsibility for communicating directly with
   Microsoft about getting documentation for Windows
6
7
    operating systems?
8
              Not directly. Prior to Windows 95, our premier
    support had been very accommodating to allow various
9
10
   people to call on a single account. My recollection is,
    with Win 95, they tightened that down, and most of the
11
12
    communication went to one or two individuals in our
13
    company who were the contacts for premier support.
14
   wasn't normally my responsibility to communicate with
          Sometimes I would be in the room while the phone
15
    them.
    was on speaker phone, and I might have spoken up
16
17
    occasionally, but it wasn't my -- I wasn't the primary
    contact with Microsoft.
18
19
              Okay. And the two people you referred to are
         Ο.
20
   Lynn Monson and Adam Harral; is that correct?
21
         Α.
              I believe those are the two.
              Okay. Were you aware, sir, in 1994, there was
22
         Q.
23
    a group at Microsoft separate from premier support called
24
    the developer relations group?
25
         Α.
              I don't recall.
```

- Q. Okay. And I take it, then, that you never had any contact with a man named Brad Struss, who was the person in the developer relations group responsible for dealing with WordPerfect and Novell?
 - A. I don't recall working with him directly.
 - Q. Now, in October of 1994, when Novell learned that Microsoft was refusing to commit to support the NameSpace extension API's in the future, did you make any effort to communicate to anyone at Microsoft?
- 10 A. Did I, personally, make an effort?
- 11 Q. Yes, you, sir.

6

7

8

9

17

18

19

20

21

22

23

24

- 12 A. No, I did not.
- Q. Did you make any effort to communicate to
 senior management at Novell, including Mr. Frankenberg,
 Mr. Rietveld, Mr. Brereton or Mr. Moon about the
 NameSpace extension API issue in October of 1994?
 - A. No, sir.
 - Q. Now, I want to make sure I understand your testimony. You told the jury that, after Novell made the determination that it had to follow what you called option 3, I believe, which was to write your own NameSpace browser, you, personally, and other people on the shared code team worked hundred-hour weeks for a year; is that right?
 - A. We worked extended over-time for a year.

```
Okay. And is that the only thing that you were
1
         Q.
 2
    doing at the time?
              I had responsibilities that I hadn't -- that
 3
 4
   hadn't gone to anybody else for code that I had already
5
   completed, to work on bugs or to work on in collaboration
   with other teams.
6
7
         Q.
              Okay. But you weren't working on any other
8
   major projects at the time?
9
        Α.
              My primary responsibility was working on the
    file open dialog.
10
              I'd like to show you a document entitled
11
12
   Perfectfit Analysis and Design Document Help Subsystem
13
   Version 3. And it has -- it's dated internally April 11,
14
    1995. Now, Mr. Richardson, directing your attention --
15
              THE COURT: For the record, do you want to mark
16
    this as your next exhibit?
17
              MS VISHIO: Your Honor, I must confess, I don't
18
   know where we ended up.
19
              THE COURT: Okay. Why don't you say next
20
   number, and it will be the next number.
21
              MR. HOLLEY: The next number, Your Honor.
              THE COURT: And right now it's for
22
    identification to let the other side know.
23
24
              MR. HOLLEY: We're going to call this
25
   Defendant's Exhibit 627 for identification.
```

```
1
              MS. VISHIO: Your Honor, can we not publish it
2
    to the jury, yet, then?
 3
              THE COURT: Yeah. Don't put it up --
 4
              MR. HOLLEY: Fair enough.
5
              THE COURT: -- until defense counsel have had a
6
   chance to look at it.
7
              MR. HOLLEY: Fair enough.
8
              BY MR. HOLLEY: Mr. Richardson, if you would,
         Ο.
9
    sir, can you turn to page 3 of this document, entitled
10
   Revision History. Sorry, I can see it, and you can't.
11
    Okay. This shows, does it not, sir, that you wrote this
12
   document in three iterations, starting on March 8 of
13
    1995, revising it on March 16 of 1995 and revising it
14
    again on April 11, 1995; is that right, sir?
              That's correct.
15
        Α.
16
              MR. HOLLEY: Your Honor, I'd move for the
   admission of Defendant's Exhibit 627.
17
18
                          We have no objection, Your Honor.
              MS VISHIO:
19
              THE COURT:
                          Thank you. You can put it back up.
         (Defendant's Exhibit 627 received in evidence.)
20
21
         Ο.
              BY MR. HOLLEY: Okay. So -- and, again, you
   know, we have another one of these strange dates on the
22
23
    front, which we should ignore, because that's the date
24
    that this document was printed, not the date it was
25
   written. But, Mr. Richardson, this is something -- a big
```

```
project that you were doing in the spring of 1995; is
1
    that correct?
 2
              I was involved with this project. My role, as
 3
 4
    I recall, was to take the work that had been done by the
5
   user experience people and formulate the requirements,
   which were then granted to another team which was
6
7
    actually doing the work.
              Okay. But you are the author of this analysis
8
         Q.
    and design document, sir?
9
              I produced the document.
10
         Α.
11
         Q.
              Okay.
12
              I did not produce the analysis.
        Α.
13
              All right. And in your -- in the answer that
         Ο.
14
   you just gave me, you said that you took information from
15
   a usability test group. Did I understand you, sir?
              The usability -- or the user experience
16
        Α.
17
   group.
              Okay. Now, I'm sure you'll tell me if I'm
18
19
   wrong, but I thought you told me earlier today, when we
20
   were talking about potential user confusion, if we added,
21
   you know, 20 or 30 NameSpaces to the Windows explorer,
22
    that you really didn't know anything about usability
23
    testing or user experience. Did I misunderstand you
    there, sir?
24
25
              So, I was not a member of the user experience
         Α.
```

team, but I took their requirements and translated them into development requirements, which were then passed along to another team. I don't claim to be a usability expert.

- Q. Fair enough. Fair enough. Now, are you aware that, in the summer of 1995, in July of 1995, that there was an increasing level of frustration, at the senior management levels in Novell, that the file open dialog that the shared code team was writing was taking an awfully long time to get finished?
- A. There was certainly pressure to complete tasks.

 My manager was Tom Creighton. I think he probably did a

 pretty good job of insulating us, who were actually

 trying to get the work done, from pressures coming from

 other sources.
- Q. Well, part of the problem in the summer of 1995 is that nobody knew what they were supposed to be writing; isn't that fair?
 - A. I'm not sure what you mean by that.
- Q. The people writing the software code for the Perfectfit file open dialog for Windows 95 weren't quite sure what they were supposed to be writing. Isn't that fair?
- A. I wouldn't characterize it that way. When we realized we were going to have to do this bigger effort

to try to get things done, I think it's fair to say we 1 2 didn't how big it was. We didn't know everything that 3 was going to have to be gone. We had a general idea of what needed to be done, and we certainly didn't know the 5 details, and we didn't know how much resources it was going to take, how long it was going to take, but we knew 6 7 where it started, and so we started. And as we worked, we learned more and -- until we finished the product. 8 Okay. Well, let's look at Defendant's Exhibit 9 Q. Now, this is a document entitled Perfectfit 95 Open 10 File Dialog. And that is, in fact, the very thing we 11 12 have been talking about just now, right? This is the 13 open file dialog that people were working on in the 14 summer of 1995? I haven't read this document. I don't know if 15 Α. I've seen this before, but we were working on the open 16 17 file dialog in that time period, yes. Okay. And there is, under the history section 18 of this document, which appears about in the second 19 20 paragraph there, there is a series of dates. Who was

A. Jack Young was one of our usability experts.

21

22

23

24

25

Jack Young?

Q. Okay. So let's read them from the bottom up.
We won't look at every single one of them. But it says:
"Jack Young called a meeting describing a proposal

```
1
    for the dialog. Gary Gibb, Steve Giles, Bruce Tiejen "--
 2
    I'm probably mispronouncing that terribly -- "attended.".
 3
              Now, Gary Gibb had what job, sir, at this time.
              If I recall correctly, Gary was responsible for
 4
5
    the production of WordPerfect at this time period,
6
   although that may not be accurate.
7
         Q.
              Okay. And Steve Giles, you've told us before,
8
    was a member of the shared code team?
9
        Α.
              That's correct.
              Correct? And he was still working with you at
10
         Q.
11
    this point on the file open dialog that you were working
12
    on, too?
13
        Α.
              That's correct.
14
         Q.
              Okay. And Bruce Tiejen was --
15
              Tiejen.
        Α.
16
         Q.
              Okay.
17
         Α.
              Tiejen.
18
              Tiejen. Okay. Sorry. I wouldn't have guessed
         Q.
19
    that from the spelling, but, okay. And what was his job?
20
        Α.
              Bruce Tiejen was the developer on the
21
    Quickfinder who was mostly responsible for the NameSpace
22
    integration.
23
              THE COURT: You might spell Tiejen for the
24
    court reporter, if you might. Is it T-i-e-j-i-e-n?
25
              MR. HOLLEY: I think there's a "T" missing in
```

```
this typing, Your Honor. I thought it was T-i-e-t-j-e-n,
1
 2
   but I'm probably the worst person to ask, but I've seen
    other documents where it's spelled that way.
 3
 4
              BY MR. HOLLEY: So, Mr. Richardson, as I
5
   understand it, there was a meeting on June 2 of 1995, in
   which the meeting participants seemed interested in and
6
7
    the group proceeded to evaluate and treat the design, and
    there was a proposal made by Bruce Tiejen -- and I'm
8
9
   probably going to continue to mispronounce this -- about
    a tab dialog.
10
11
              I mean, this all sounds to me -- and, I mean,
12
   correct me if I'm wrong, but it sounds to me like people
13
   are still talking about the design of the file open
14
   dialog, and we're now two months before the release of
    Windows 95; is that right?
15
              I did not attend this meeting. I don't know
16
        Α.
17
    specifically what was discussed, but it was a constant
18
   process while I was working at WordPerfect, to evaluate
19
   where you were along the way, to make sure that you're
20
   headed in the right direction. It was not at all
21
   uncommon for usability to review what we were doing, as
   we reached the end of a project, to ensure that we hadn't
22
23
    introduced usability concerns.
24
              So, it doesn't surprise me that there's a
25
   usability evaluation at this point in the project.
```

```
But let's look at what happened ten days later.
1
         Q.
 2
    Let's go up and highlight June 12 of 1995. It says:
    "Trying to understand the functionality of the dialog.
 3
 4
    In talking to Steve Giles, Jack and Bruce different
5
              Some brainstorm attempts and general lack of
   overall functional design occurs."
6
7
              Doesn't that suggest to you, sir, that in
   July -- excuse me, in June of 1995, two months before the
8
    release of Windows 95, there was a lack of overall
9
10
    functional design for the file open dialog that people
11
   were working on?
12
              I'm not familiar with the meeting. I don't
13
   know what they discussed, and I don't know who produced
14
    this document or why they had this evaluation.
   don't have any direct knowledge about it.
15
              Okay. But, just to be clear, down at the
16
         Q.
17
   bottom in italics this document says Novell Confidential,
    and it has an NOV-B sticker. You're not suggesting that
18
    this isn't from Novell's files?
19
20
         Α.
              I'm just suggesting, I wasn't privy to this
21
   discussion. My experience in working with the dialog at
    this point was we had made significant progress, and
22
23
    there was a lot of good functionality that had shown up.
24
              THE COURT REORTER: I'm sorry. I can't hear
25
   you very well.
```

```
So, my experience in working with
1
              THE WITNESS:
2
    the dialog at this point was that there was a significant
 3
    amount of functionality, and it was looking very good.
 4
    That's my recollection.
5
              BY MR. HOLLEY: All right. Well, appreciate
        Ο.
    that. Let's look at the first paragraph of this
6
   document, which says -- I think it probably means "the,"
7
   but it says: "This main purpose of this document is to
8
9
   provide a functional description of the open dialogue for
    Storm."
10
11
              Now, Storm is the code name for PerfectOffice,
12
   right?
13
              I don't recall the code names for things.
        Α.
14
         Ο.
              Okay. All right. Well, you don't have any
15
   doubt that we're talking about the same open file -- file
    open dialog that you and I --
16
17
        Α.
              It appears that's what they are talking
   about.
18
19
              Okay. And it says: "This document lists
20
    function and behavior and, most important, a consensus of
21
    open dialog functionality. This document was necessary
    to alleviate differences of opinion of how this dialog
22
23
    would be implemented. Coding will occur from the
    information provided by this document."
24
25
              Now, how is it possible, Mr. Richardson, that
```

```
you have testified that coding was basically done, as I
1
 2
   understood your testimony, when this document says coding
 3
    will occur from the information provided by this
 4
    document?
5
              So, my knowledge is that coding had occurred,
        Α.
    that there was a significant amount of progress made. It
6
7
   doesn't seem to me to say that coding would begin and
   hadn't ever been performed. You know, I think they were
8
9
    simply saying that their expectation was that the result
10
    of this conversation would be that something might
11
    actually be coded, it would actually affect the code,
12
    although that is entirely speculative. I was not at this
13
   meeting, and I don't know who wrote this or why they
14
   wrote what they wrote.
15
              Okay. Let's look at page 10 of this document.
         Q.
    It has the control number 11401, if that's any easier.
16
17
    But the internal document number is 10. Are you with me,
18
    sir?
19
              I'm on page 10. Yes.
                                     Thank you.
20
              And the part I'm interested in appears under --
         Q.
    I assume that MISC is an abbreviation for miscellaneous.
21
    Do you use that kind of abbreviation?
22
23
              That seems reasonable.
        Α.
24
              Okay. And then under 3, it says: "Common Open
         Q.
25
   Dialog.
            We'll support common open dialog functionality
```

```
within our open wrapper. The installation default
1
 2
   would be the PF open dialog." And that's a reference to
 3
    the Perfectfit open dialog, is it not, sir? Didn't you
    refer to the dialog that you were writing as the PF open
5
   dialog?
              THE COURT: A yes or no to that question.
6
                                                         Is
7
   PF dialog the Perfectfit open dialog?
8
              THE WITNESS: Yes. I'm sorry. I didn't
    understand that was the question.
9
10
              BY MR. HOLLEY: I'm sorry, sir. I thought you
        Q.
11
   heard me. I guess I'm having a hard time being heard
12
    today.
13
              So, as I understand this, what it's saying is
14
    that, in July of 1995, there is a plan at Novell to give
15
   users, at the time that PerfectOffice is installed, a
    choice of using two file open dialogs. One is the
16
17
    Windows common file open dialog, referred to here as the
18
    common open dialog, and the other one is the one that was
19
   being written at Novell at the time, the PF open dialog;
20
    is that right?
21
        Α.
              It appears that that's what this is saying.
22
    Once again, I am not familiar with this meeting. I don't
23
   recall this issue.
24
             All right. And let's look at page 15 of this
        Q.
25
   document. That's a picture, is it not, of the Windows 95
```

```
common open dialog?
1
 2
              All right.
         Α.
              You don't know?
 3
         Ο.
              It may be. I don't know that I could
 4
5
   definitively state that, but, okay.
6
              Okay. But you don't have any doubt that that's
         Ο.
7
    the picture that the author of this document decided to
    include at the back?
8
9
         Α.
              Okay.
              Okay. Now, you were shown, during direct
10
         Q.
11
    examination --
12
              I'd like to look at -- if you guys wouldn't
13
   mind putting up Demonstrative Exhibit 10.
14
              Now, you didn't mean to testify, did you, sir,
15
    that is the file open dialog that appears in Corel
16
   PerfectOffice as released, right, when you gave all that
17
    testimony this morning?
              I don't know if this is an actual screen shot
18
19
   or if this is a prototype mockup. This appears to me to
20
   be very similar to the Perfectfit open dialog in Windows
21
    95.
              Well, it's interesting that you refer to it as
22
         Q.
23
    a prototype mockup because that's exactly what it is,
    isn't it?
24
25
         Α.
              I don't know where the graphic was generated.
```

```
Well, when you gave the testimony today, that
1
         Q.
 2
    this was the file open dialog that Corel used, didn't you
 3
    think it was important to figure out whether that was
 4
    true or not?
5
              MS VISHIO:
                          Objection. This mischaracterizes
   his prior testimony.
6
7
              THE COURT: Sustained.
              BY MR. HOLLEY: You don't know one way or the
8
         Q.
9
    other, do you, sir, whether this is something other than
10
    a paper prototype of something that Novell thought about
11
    doing?
12
              This looks very much like the file open dialog.
13
    It underwent many mutations. This could very well have
14
   been a screen shot from an actual invocation of the file
15
   open dialog, or it could be a mockup. I couldn't
    definitively state it's one or the other.
16
17
              Well, let's look at DR-1, please, which is the
    Perfectfit file open dialog. Your testimony is that
18
19
    those two things are the same.
20
              And can we flip back to Demonstrative Exhibit
21
    10?
              They look very similar to me.
22
        Α.
23
              Okay. Do you see, in the real Perfectfit file
         Q.
24
    open dialog -- and I'm happy to show this to you so we
25
    don't have to flip back and forth. Do you see a
```

```
find-file tab or a file-content tab or a find-by-form
1
 2
   tab?
 3
         Α.
              I do not see those.
 4
         Q.
              Okay.
5
              THE COURT: Is this a good time to break for
6
    lunch?
7
              MR. HOLLEY: Yes, Your Honor.
8
              THE COURT: Okay. About 20 minutes. See
    everybody then.
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
                          (Lunch break.)
25
                                                            717
```