## EXHIBIT 18

## REDACTED VERSION OF DOCUMENT(S) SOUGHT TO BE SEALED

EXHIBIT II

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                        UNITED STATES DISTRICT COURT
                        NORTHERN DISTRICT OF CALIFORNIA
    MATTHEW CAMPBELL, MICHAEL
    HURLEY, and DAVID SHADPOUR,
    on behalf of themselves and
    all others similarly situated,
                    Plaintiffs,
    vs.
                                    No. 4:13-cv-05996-PJH
FACEBOOK, INC.,
            Defendants.
```



```
    **HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY**
                            **CONTAINS SOURCE CODE**
                VIDEOTAPED 30(b)(6) DEPOSITION OF
                        RAY HE
                Wednesday, October 28, 2015
Reported by:
COREY W. ANDERSON
CSR No. 4096
Job No. SF 2173701B
PAGES 1 - 114
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| 1 | Q. Okay. Can you please point us to the | 16:13:26 |
| :---: | :---: | :---: |
| 2 | source code that performs that functionality? | 16:13:29 |
| 3 | A. Yes. | 16:13:32 |
| 4 | (Pause) | 16:13:32 |
| 5 | A. So at a high level, the code I have loaded | 16:14:08 |
| 6 | here will $\square$ the | 16:14:11 |
| 7 | - That | 16:14:20 |
| 8 | would be line 54. | 16:14:24 |
| 9 | Q. And is this the source code that says | 16:14:39 |
| 10 |  | 16:14:42 |
| 11 | $\square$ | 16:14:50 |
| 12 | A. Yes. | 16:14:51 |
| 13 | Q. A few lines below that there is code that | 16:14:57 |
| 14 | ? | 16:14:59 |
| 15 | A. Yes. | 16:15:01 |
| 16 | Q. What function does that code perform? | 16:15:04 |
| 17 | A. | 16:15:09 |
| 18 |  | 16:15:14 |
| 19 |  | 16:15:17 |
| 20 |  | 16:15:20 |
| 21 |  | 16:15:23 |
| 22 | Q. What is a in the context of the | 16:15:36 |
| 23 | answer you just gave? | 16:15:38 |
| 24 | A. A | 16:15:44 |
| 25 |  | 16:15:53 |
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| 1 | A. So at the -- at a high level it's the code | 17:55:21 |
| :---: | :---: | :---: |
| 2 | on the left. | 17:55:23 |
| 3 | Q. Okay. And this is -- which file is this | 17:55:24 |
| 4 | again? | 17:55:28 |
| 5 | A. This is | 17:55:28 |
| 6 | Q. Okay. And what lines are you referring | 17:55:33 |
| 7 | to? | 17:55:35 |
| 8 | A. | 17:55:38 |
| 9 |  | 17:55:43 |
| 10 |  | 17:55:51 |
| 11 |  | 17:55:56 |
| 12 | Q. In the context of | 17:56:18 |
| 13 |  | 17:56:26 |
| 14 | ? | 17:56:29 |
| 15 | A. | 17:56:40 |
| 16 |  | 17:56:43 |
| 17 |  | 17:56:48 |
| 18 |  | 17:56:58 |
| 19 |  | 17:57:02 |
| 20 | Q. Can you point to the code that | 17:57:06 |
| 21 |  | 17:57:08 |
| 22 | ? | 17:57:13 |
| 23 | A. Yes. | 17:57:15 |
| 24 | (Pause) | 17:57:24 |
| 25 | A. So the code I have on the left is code | 18:00:30 |
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| 1 | couple of questions talking about | 19:11:58 |
| :---: | :---: | :---: |
| 2 |  | 19:12:00 |
| 3 | MR. RUDOLPH: Yes. | 19:12:03 |
| 4 | THE WITNESS: Just want to paint a picture | 19:12:04 |
| 5 | of what actually changed. | 19:12:05 |
| 6 |  | 19:12:07 |
| 7 |  | 19:12:12 |
| 8 | , | 19:12:16 |
| 9 |  | 19:12:24 |
| 10 |  | 19:12:26 |
| 11 |  | 19:12:31 |
| 12 | BY MR. RUDOLPH: | 19:12:38 |
| 13 | Q. Okay. Is there anything else? | 19:12:39 |
| 14 | A. That was it. | 19:12:41 |
| 15 | Q. If you can go back to please? | 19:12:44 |
| 16 | A. Yes. | 19:12:51 |
| 17 | Q. | 19:13:03 |
| 18 |  | 19:13:05 |
| 19 | Do you see that? | 19:13:07 |
| 20 | A. Yes. | 19:13:07 |
| 21 | Q. And you, we discussed that | 19:13:08 |
| 22 |  | 19:13:10 |
| 23 |  | 19:13:13 |
| 24 | A. Yes. | 19:13:18 |
| 25 | Q. Okay. | 19:13:18 |
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I, the undersigned, a Certified Shorthand Reporter of the state of California, do hereby certify:

That the foregoing proceedings were taken before me at the time and place herein set forth; that any witnesses in the foregoing proceedings, prior to testifying, were administered an oath; that a record of the proceedings was made by me using machine shorthand which was thereafter transcribed under my direction; that the foregoing transcript is a true record of the testimony given.

Further, that if the foregoing pertains to the original transcript of a deposition in a Federal Case, before completion of the proceedings, review of the transcript was not requested.

I further certify I am neither financially interested in the action nor a relative or employee of any attorney or any party to this action.

IN WITNESS WHEREOF, I have this date subscribed my name.

Dated: $10 / 30 / 2015$


COREY W. ANDERSON
CSR No. 4096
In the Matter of:
October 28, 2015
Ray He
Date of deposition:
Witness:
Reason codes:
To clarify the record. To conform to the facts.
3. To correct transcription errors.

| Page | Line | Reads | Should Read | Reason <br> Code |
| :--- | :--- | :--- | :--- | :--- |
| 5 | 20 | Q. What is it? <br> A. Ray Sunshine He. | Q. What is it? <br> A. Ray Chengchuan He. |  |
| 15 | 19 | A. I would estimate between three and - <br> certainly greater than three, and I would say less, <br> fewer than ten hours in person. | A. I would estimate between three and - certainly <br> greater than three, and I would say less, fewer than <br> ten meetings in person. | 1 |
| 16 | 5 | A. I met with Nikki, who is in the room, and <br> Gina. | A. I met with Nikki, who is in the room, and <br> Jeana. | 3 |
| 20 | 15 | A. That would be Nikki, Chris, Pryianka, and <br> Gina. | A. That would be Nikki, Chris, Priyanka, and <br> Jeana. | 3 |
| 21 | 14 | Mr. Jessen: I just object. | Qr. Jessen: I must object. <br> A. Yist the ones that you know. <br> A. Yesa, Python, C++, C, HaskellR. | Q. List the ones that you know. <br> A. Yes. Java, Python, C++, C, Haskell. |
| 23 | 16 | A. CSS, if you consider that coding language, <br> which not everyone does. Regular expressions, <br> raw HTML and XML files, shell scripts, batch <br> scripts. | A. CSS, if you consider that coding language, <br> which not everyone does. Regular expressions, <br> raw HTML and XML files, shell scripts, bash <br> scripts. | 3 |
| 24 | 1 | A. Lisp. I mean, it depends on what you <br> consider Facebook code and depends on the time <br> period in question. | A. I mean, it depends on what you consider <br> Facebook code and depends on the time period in <br> question. | 3 |


| 25 | $\begin{aligned} & 7,9, \\ & 12 \end{aligned}$ | A. In general to find production optionees for Facebook and implement them or build them. <br> Q. What's a product optionee? <br> A. Opportunity. <br> Q. What's an example of a product opportunity, product optionee that you found for Facebook? | A. In general to find product opportunities for Facebook and implement them or build them. <br> Q. What's a product optionee? <br> A. Opportunity. <br> Q. What's an example of a product opportunity that you found for Facebook? | 3 |
| :---: | :---: | :---: | :---: | :---: |
| 25 | 24 | A. For instance, e-comments plug-in used by third party Websites to use Facebook's platform to add comments to their Website. | A. For instance, the comments plug-in used by third party Websites to use Facebook's platform to add comments to their Website. | 3 |
| 28 | 14-16 | Q. What did vou do? <br> A. Typed ." <br> Q. And what did that function perform? <br> A. $\square$ $\qquad$ | Q. What did vou do? <br> A. Typed ." <br> Q. And what did that function perform? <br> A. $\square$ $\qquad$ | 3 |
| 28 | 17-24 | Q. What's a <br> A. A <br> Q. And what did the <br> A. |  | 3 |
| 28 | 25 | $\begin{aligned} & \text { Q. And does a inform you as to the } \\ & \text { timeframe that this source code relates to? } \\ & \text { A. Yes. } \end{aligned}$ | Q. And does a inform you as to the timeframe that this source code relates to? A. Yes. | 3 |
| 29 | 4 | Q. Okay. And what did been--- reveal in terms of the source code that's | Q. Okay. And what did been--reveal in terms of the source code that's | 3 |
| 29 | 9 | Q. Okay. Were there any other <br> A. I believe the second December of 2012. $\square$ was also | Q. Okay. Were there any other <br> A. I believe the second December of 2012. $\square$ was also | 3 |
| 30 | 17 | A. | A. | 3 |
| 31 | 24 | A. It's likely | A. It's likely | 3 |
| 32 | 7 | A. | A. | 3 |
| 32 | 10 | A. | A. | 3 |


|  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 32 | 14 | A. It -- | A. It -- | 3 |
| 36 | 24 | Q. Two lines below that there is code that says $\square$ A. Yes. | Q. Two lines below that there is code that says ? <br> A. Yes. | 3 |
| 37 | 13 | A. It would likely be the | A. It would likely be the | 3 |
| 38 | 4,6 | . |  | 3 |
| 38 | $\begin{aligned} & 12, \\ & 14, \\ & 15 \end{aligned}$ | A. In the context of the <br> Q. What's the <br> A. $\square$ | A. In the context of the <br> Q. What's the <br> A. $\square$ | 3 |
| 39 | 3 | THE WITNESS: | THE | 3 |
| 40 | 20 | A. That is contained within |  | 3 |
| 41 | 5 | A. | A. | 3 |
| 41 | 7 |  |  | 3 |
| 41 | $\begin{aligned} & 12, \\ & 14 \end{aligned}$ | Q. What's an $\square$ | Q. What's an $\square$ ? | 3 |





|  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 79 | 15 | A. This is $\quad$ line 121. | A. This is .line 121. | 3 |
| 79 | 20 | Q. Is the <br> an ct record referred to as <br> Q.  | Q. Is the   <br> an referred to as   <br>  sometimes?  | 3 |
| 80 | 2 | Q. Okav. I think we discussed that in the context of $\square$ A. Yes. earlier. | Q. Okay. I think we discussed that in the context of $\square$ A. Yes. earlier. | 3 |
| 80 | 5 | Q. And the same answer applies with respect to the term $\square$ ? | Q. And the same answer applies with respect to the term $\square$ ? | 3 |
| 80 | 21 | The Like button made a server which returned the to the | The Like button made an server which returned the to the $\square$ | 3 |
| 81 | 19 | Q. Are those the <br> A. Yes. <br> Q - that we discussed earlier? <br> A. [No response.] $\square$ | Q. Are those the <br> A. Yes. <br> Q - that we discussed earlier? <br> A. Yes. | 3 |
| 83 | 5 | A. This is | A. This is | 3 |
| 83 | 10 | But in particular where we call in to our rendering code is this $\square$ | But in particular where we call in to our rendering code is this $\square$ | 3 |
| 84 | 5 | A. This is | A. This is p. | 3 |
| 85 | 4-6 | Q. Are you familiar within sights dashboard? <br> A. Yes. <br> Q. What's your understand what the insights dashboard is? <br> A. I believe it's used -- well, first of all, it depends on what dashboard we are referring to. | Q. Are you familiar with insights dashboard? <br> A. Yes. <br> Q. What's your understanding of what the insights dashboard is? <br> A. I believe it's used -- well, first of all, it depends on what dashboard we are referring to. | 3 |
| 86 | 1 | A. I mean, there - within the context of Facebook, there is many things people might refer to as an insights dashboard, and then there is something else that, you know, people are Facebook developers might refer to as the insights dashboard. | A. I mean, there - within the context of Facebook, there are many things people might refer to as an insights dashboard, and then there is something else that, you know, people are Facebook developers might refer to as the insights dashboard. | 3 |
| 88 | 20 | A. | A. | 3 |




