Making Sense of the Profiler Results

In this lesson, let's discuss how commits are useful and how to read the information provided by them.

WE'LL COVER THE FOLLOWING

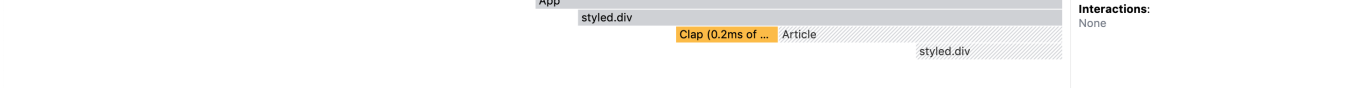
React Phases

Conceptually, React does work in two phases:

- The **render** phase where components are rendered and the virtual DOM *diffed*.
- The **commit** phase where actual changes in the virtual DOM are committed to the DOM.

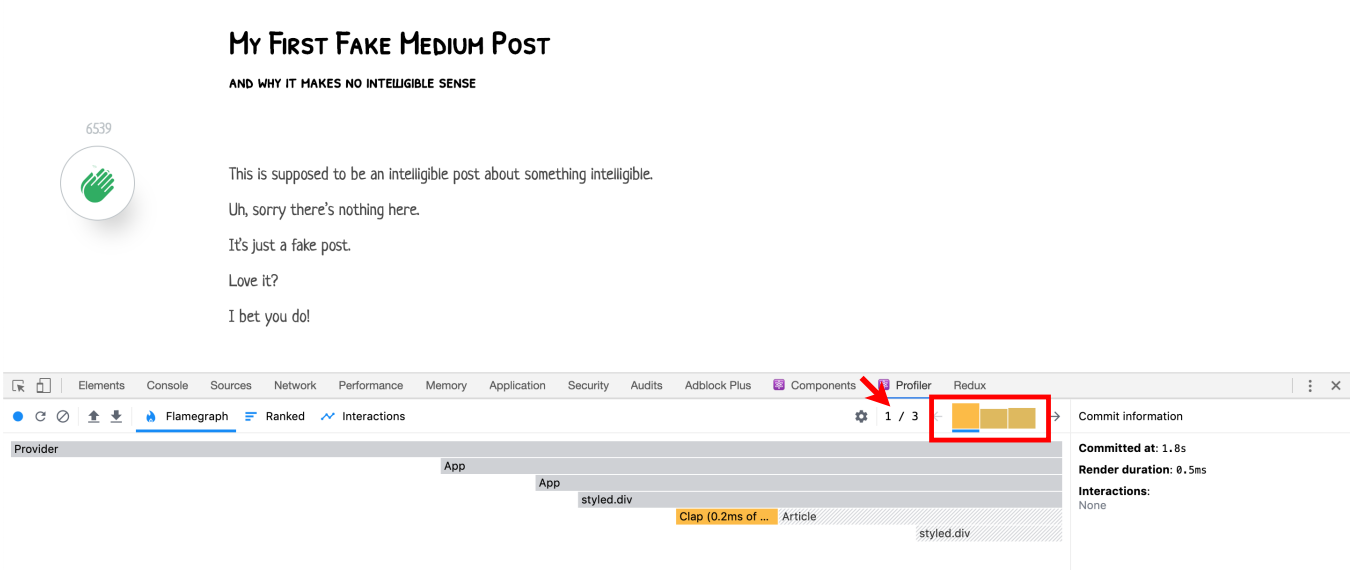
The graphical representation you see on the far right of the profiler represents the number of commits that were made to the DOM during your interaction with the app.

Whenever you interact with the app components, a commit happens.



Number of Commits

On the far right of the Profiler screen, you'll find a visual representation of the number of commits made during your interaction with your application.



How to Read Commit Information?

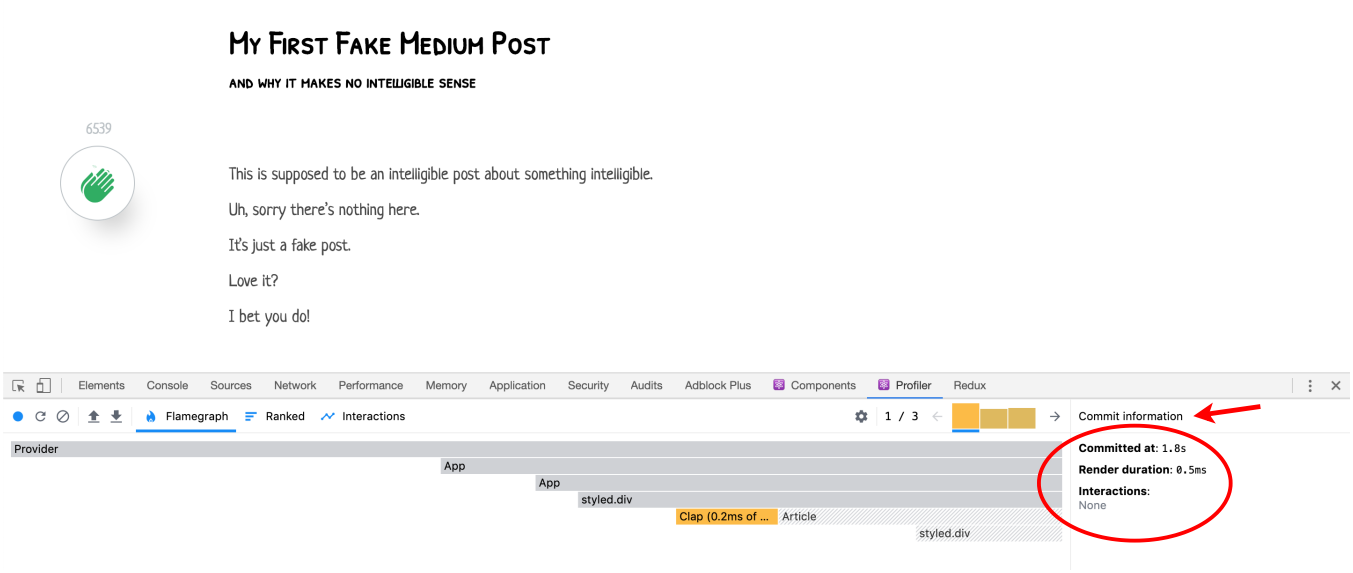
The taller the bar is, the longer it took React to render the components in this commit.

In the example above, the Profiler recorded three commits. That makes sense since I clicked the button only 3 times. So, there should be only 3 commits made to the DOM.

The first commit took much longer than the subsequent two commits.

You can click on any bar to investigate the performance metrics for that particular commit.

The graph to the left side of these performance metrics is the Flame graph.



Quick Quiz!

Q

Which phases does a React app go through? (You can select multiple options)

COMPLETED 0%

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The other thing you can see in the screenshot is a flamegraph. In the next lesson, we'll explore them in detail.