

FE Engineer Test

Before you start coding (and let's be honest, we know that's what you want to do), please read the following.

Firstly, the test should take you no more than 3 hours to complete.

Secondly, the test is for us to see how you code and the methodologies you use, what we will be looking for in this test are the following:

- Functionality
- Efficiency – We like clean, simple code.
- Readability
- Tests (we have 96% test coverage in our code and we aim to keep it that way).
- Also, we would like to understand your ability to use TDD and prefer functions over classes so please ensure these are part of your complete test.

Focus on the performance and extensibility of your parsing solution, a rich UI is very much nice to have.

The Test

Write an app that:

1. Uses JavaScript or TypeScript
2. Receives a log file as a form input (webserver.log is provided)
3. Returns the following:
 - a. A list of webpages with total page views ordered from most to least page views.

For example:

```
/home 90 visits  
/index 80 visits  
...
```

- b. A list of webpages with total unique page views also ordered from most to least page views.

For example:

```
/about/2 8 unique views  
/index 5 unique views  
...
```

Finally, have some fun – Feel free to make changes or design something if you think it meets the criteria above, but would produce better outcomes and of course, the sooner you return the test, the quicker we can move the process.