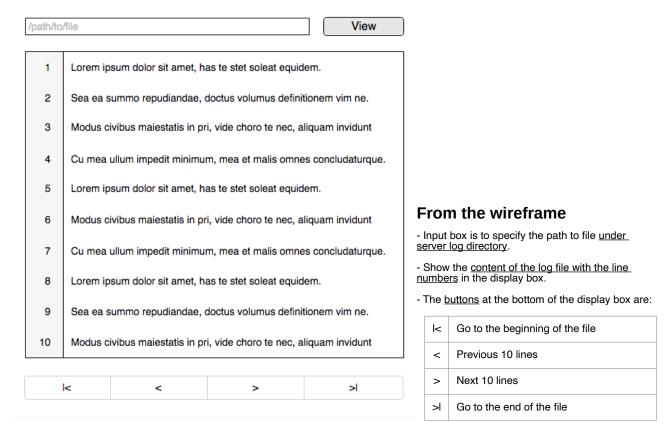# Log File Viewer

## Task

Create a web app as the wireframe below that can view a specific file <u>under the server log directory</u> eg. */var/log/* and display at maximum 10 lines at a time. *You can use apache or nginx access log file for example.*

| /path/to/file | View |
|---|---|

| 1 | Lorem ipsum dolor sit amet, has te stet soleat equidem. |
|---|---|
| 2 | Sea ea summo repudiandae, doctus volumus definitionem vim ne. |
| 3 | Modus civibus maiestatis in pri, vide choro te nec, aliquam invidunt |
| 4 | Cu mea ullum impedit minimum, mea et malis omnes concludaturque. |
| 5 | Lorem ipsum dolor sit amet, has te stet soleat equidem. |
| 6 | Modus civibus maiestatis in pri, vide choro te nec, aliquam invidunt |
| 7 | Cu mea ullum impedit minimum, mea et malis omnes concludaturque. |
| 8 | Lorem ipsum dolor sit amet, has te stet soleat equidem. |
| 9 | Sea ea summo repudiandae, doctus volumus definitionem vim ne. |
| 10 | Modus civibus maiestatis in pri, vide choro te nec, aliquam invidunt |

| I< | < | > | >I |
|---|---|---|---|

### From the wireframe

- Input box is to specify the path to file <u>under server log directory</u>.

- Show the <u>content of the log file with the line numbers</u> in the display box.

- The <u>buttons</u> at the bottom of the display box are:

| I< | Go to the beginning of the file |
|---|---|
| < | Previous 10 lines |
| > | Next 10 lines |
| >I | Go to the end of the file |

## Main evaluation points                                    (80 points)

1. The code runs without issues, and all the expected errors are handled     (20 points)
2. Write code as if it is <u>production code</u> (putting code design and clean code in mind).     (20 points)
3. All call-to-actions must not refresh the page.     (10 points)
4. All back-end code must have Unit Tests with full coverage.     (10 points)
5. Front-end can be native javascript or any javascript library.     ( 5  points)
6. Back-end must be either PHP (≥ 8.0) or NodeJs.     ( 5  points)
7. Web-app must be able to run by <u>PHP Built-in web server</u>.     ( 5  points)
8. To access the page, the user should login with admin:admin (as username and password).     ( 5  points)
   *No database access needed*.

## Bonus evaluation points                                    (20 points)

1. Consider that log file can be huge and exceed the size of memory of server and browser     (10 points)
   (it shouldn't exceed 3MB RAM usage regardless of the file size).
2. Write PHPDoc or JSDoc to document functions.     ( 5  points)
3. Write README.md to describe the project itself and the steps to run.     ( 5  points)

## To submit your code

Archive your project with all necessary files and send email back to us within 3 days after receive the question.