

CPSC 473 - Web Front-End Engineering for Internet Applications

Assignment 9 - Spring 2017

Section 2 due April 17. Section 1 due April 19.

In this assignment, you will start a new application, Chattrbox, and work with Node.js to build a custom back-end.

Complete the following:

1. Work through Chapter 15 to set up the chattrbox directory and create `index.js`.
2. Test your code by adding a new page to the `chattrbox/app/` directory and verifying that it is served correctly.
3. Work through Chapter 16 to create `websockets-server.js`, install `wscat`, and test the results.
4. Begin working through Chapter 17 to install Babel and related utilities, but stop when you finish the section *Running the build process* on p. 333.
5. If you load the Chattrbox page with the DevTools console visible as in figure 17.12, in addition to "Hello ES6!" you should see an error message similar to the following:

Resource interpreted as Stylesheet but transferred with MIME type text/plain: "<http://localhost:3000/stylesheets/styles.css>".

Eliminate the error by completing the *Silver Challenge: Providing a MIME Type Dynamically* from Chapter 15.

6. Push the contents of your chattrbox directory into a new public GitHub repository

Grading

How to know if the assignment has been successfully completed:

1. Have you created an ESLint configuration file?
2. Have you fixed any issues detected by the `linter-eslint` plugin?
3. Is there a `package.json` file?
4. Is there a `.babelrc` file?
5. Have you run the `atom-beautify` plugin?
6. Have you copied over the HTML and CSS for the project from `front-end-resources.zip`?
7. Have you fixed any JavaScript issues displayed in the DevTools Console?

8. Have you installed the `mime` module from the NPM Registry?
9. Have you fixed the error about MIME types from Step (6) above?
10. Can you place a file in `chattrbox/app/` and have it served by `index.js`?
11. Can multiple clients connect to `ws://localhost:3001` and participate in a chat?
12. Is the directory structure for `chattrbox/app/scripts` in place?
13. Can you use `npm run watch` to view `http://localhost:3000` in a browser?
14. Do you have a new repository for this assignment?
15. Have you checked in the changes from this assignment and pushed them to GitHub?