

CPSC 473 - Front-End Engineering - Spring 2018

Homework 7

Section 02 - due April 16, Section 01 - due April 18

In this assignment, you will create the front-end for the Chattrbox application.

Complete the following:

1. Work through Chapter 17, installing Babel, Browserify, and related utilities, and creating the ChatMessage class and ws-client modules.
2. Work through Chapter 18 to finish the Chattrbox application

WARNING: The code in Chapter 18 has several errors. The following entries from the [Errata](#) page should address most of the issues:

- <https://forums.bignerdranch.com/t/errata-1st-edition/9493/2>
- <https://forums.bignerdranch.com/t/errata-1st-edition/9493/3>
- <https://forums.bignerdranch.com/t/errata-1st-edition/9493/17>
- <https://forums.bignerdranch.com/t/errata-1st-edition/9493/4>
- <https://forums.bignerdranch.com/t/errata-1st-edition/9493/41>

Note that in [Figure 18.7](#) on p. 359, the Chrome DevTools tab has been renamed from *Resources* to *Application*.

You may also wish to compare your code with the 'book-solutions/Chapter 18/' directory from front-end-resources.zip.

3. Verify that Chattrbox is working by opening two browser windows and carrying on a conversation as in [Figure 18.8](#) on p. 362. If you use the e-mail addresses shown, you should see the appropriate Gravatars.
4. Push the contents of your project to a new GitHub repository using a git client (e.g., the [git](#) command-line client, [GitHub Desktop](#), or [GitHub for Atom](#)). Do not submit files using drag-and-drop onto the repository web page, and do not push this assignment to the same repository as your previous homework assignments.

Submission

Turn in the code for this homework by uploading your `chattrbox/` directory to a public repository on GitHub. While you may discuss this homework assignment with other students, the work you submit must have been completed on your own.

To complete your submission, print the following sheet, fill out the spaces below, and submit it to the professor in class by the deadline. Failure to follow the instructions exactly will incur a **10%** penalty on the grade for this assignment.

Homework Submission

CPSC 473, Section _____

Homework 7

Your name _____

GitHub repository <https://github.com/>_____/_____

Verify each of the following items and place a checkmark in the correct column. Each item incorrectly marked will incur a **5%** penalty on the grade for this assignment.

Completed	Not Completed	
<input type="checkbox"/>	<input type="checkbox"/>	When <code>npm watch</code> is running, Chattrbox can be viewed at <code>http://localhost:3000</code>
<input type="checkbox"/>	<input type="checkbox"/>	Chattrbox pages use the HTML and CSS from <code>front-end-resources.zip</code>
<input type="checkbox"/>	<input type="checkbox"/>	<code>package.json</code> and <code>.babelrc</code> have been created.
<input type="checkbox"/>	<input type="checkbox"/>	Multiple clients can connect to <code>http://localhost:3000</code> and participate in a chat
<input type="checkbox"/>	<input type="checkbox"/>	Chat messages show up in all connected clients in real-time
<input type="checkbox"/>	<input type="checkbox"/>	An <code>.eslintrc.js</code> file is present in the root of the repository and has been modified to allow ES6 syntax
<input type="checkbox"/>	<input type="checkbox"/>	All issues detected by <code>linter-eslint</code> have been fixed
<input type="checkbox"/>	<input type="checkbox"/>	HTML, CSS, and JavaScript code have been reformatted with the <code>atom-beautify</code> plugin
<input type="checkbox"/>	<input type="checkbox"/>	Project directory pushed to new GitHub repository listed above
<input type="checkbox"/>	<input type="checkbox"/>	Project directory has been pushed using a GitHub client, not by manually dragging-and-dropping files onto the GitHub web page

Comments on your submission
