

CPSC 349: Front-End Web Engineering - Spring 2021

Homework 6, done by 25 Apr 2021

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

Complete the following:

1. Work through Chapter 17 (Using ES6 with Babel), installing **Babel**, **Browserify**, and related utilities, and creating the **ChatMessage** class and `ws-client` modules.

2. Work through Chapter 18 (ES6, The Adventure Continues) 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](#)). 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. You may discuss this hw assignment with others, but must complete work 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.

CPSC 349 Homework Submission 6, due 25 April 2021

Your name:

Portfolio: _____ .github.io

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

Finished	Not finished	
<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"/>	Installed Parcel, Babel , Browserify , and related utilities.
<input type="checkbox"/>	<input type="checkbox"/>	Created the ChatMessage class and <code>ws-client</code> modules
<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"/>	Multiple clients can connect to <code>http://localhost:3000</code> and participate in a chat
<input type="checkbox"/>	<input type="checkbox"/>	Appropriate gravatars are shown if using email addresses.
<input type="checkbox"/>	<input type="checkbox"/>	Using Moment , format the time so it updates with commonly used time expressions (less than a minute, 5 minutes ago, a half hour ago, a couple of hours ago, yesterday, ...)
<input type="checkbox"/>	<input type="checkbox"/>	Chat messages show up in all connected clients in real-time
<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:

Fill out and print this page, and submit it on the day this project is due.