CPSC 349: Front-End Web Engineering - Fall 2019

Homework 7, due 5 Nov 2019

**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, 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. You may discuss this homework assignment with other students, 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 7, due 5 Nov 2019

Your name: Alex Ma

Repository *(print)*: **https://github.com/alexjmma/CPSC349/tree/master/HW7**

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

Comments:

Unable to connect to local host but chat works in the terminal.

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