CPSC 349: Front-End Web Engineering - Fall 2021 Homework 6, done by 19 Nov 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.
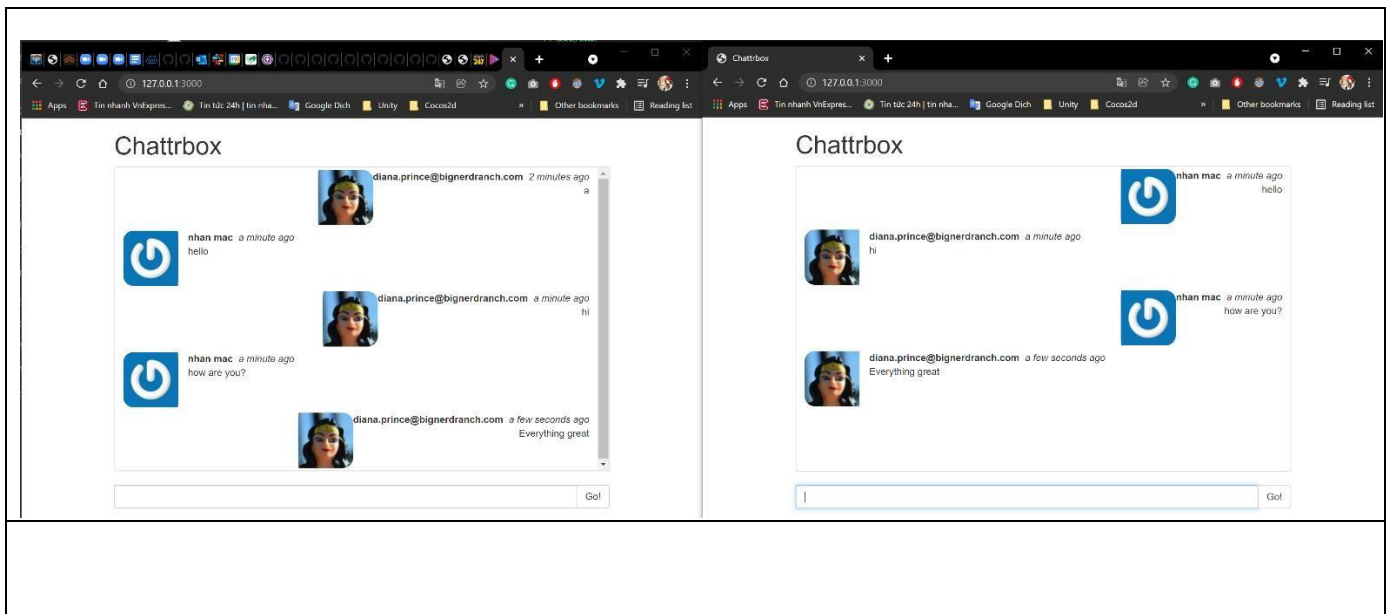
CPSC 349 Homework Submission 6, due 19 Nov 2021

Your name: Nhan Thanh Mac

Portfolio: https://github.com/macnhan79/CPSC_349_Fall_2021/tree/main/chattrbox_hw6

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	
Yes		When npm watch is running, **Chattrbox** can be viewed at http://localhost:3000
Yes		Installed Parcel, **Babel**, **Browserify**, and related utities.
Yes		Created the **ChatMessage** class and ws-client modules
Yes		**Chattrbox** pages use the HTML and CSS from front-end-resources.zip
Yes		**Multiple clients** can connect to http://localhost:3000 and participate in a chat
Yes		Appropriate gravatars are shown if using email addresses.
Yes		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, ...)
Yes		Chat messages show up in all connected clients in real-time
Yes		Project directory pushed to new GitHub repository listed above
Yes		Project directory has been pushed using a GitHub client, not by manually dragging anddropping files onto the GitHub web page.

Comments:

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