CPSC 349: Front-End Web Engineering - Fall 2019

Homework 3, due 24 Sep 2019

In this assignment, you will bring up the CoffeeRun app and experiment with it by using its **FormHandler** module to process data from a form submission.

Complete the submission:

1. Work through Chapter 8 (Modules, Objects, and Methods) to create the **DataStore** and **Truck** modules. Add **.eslintrc.js** to your repository, and be sure to fix any errors found by ESLint.

As you create the modules, be sure to test them interactively in the DevTools Console, as in Figures 8.10 and 8.32 from the textbook. Keep in mind that you can recall previously executed code using the UP and DOWN arrow keys on your keyboard.

2. Complete Chapters 9 and 10 to create a form, style it with Bootstrap, and use jQuery to define a **FormHandler** object.

3. Read the MDN articles **Your First HTML Form** https://developer.mozilla.org/en-US/docs/Learn/HTML/Forms/Your_first_HTML_form and **How to structure an HTML form** https://developer.mozilla.org/en-US/docs/Learn/HTML/Forms/How_to_structure_an_HTML_form, and create a new HTML file with the payment form from the end of the second article.

4. Now, modify the payment form to load the **FormHandler** module and add a **submit handler**. (The default handler action of logging to the console is fine for this step, but we'll enhance the DOM elements with jQuery.

5. Complete Chapter 11 to add the **CheckList** module to CoffeeRun and see how to create DOM elements with jQuery.

6. Add the **jQuery Modal** plugin (https://jquerymodal.com/) to the page for the payment form you created in Step (4) above. Modify the submit handler code to open a modal dialog box thanking the user for their payment, using the `title` and `name` values (e.g., "Thank you for your payment, Captain James T. Kirk").

7. Push the contents of your project to a new GitHub repository. 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 project to a public repository on GitHub. While you may discuss this homework assignment with other students, you must complete the 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 3, due 24 Sep 2019

Your name: Alex Ma

Repository (*print*): **https://github.com/alexjmma/CPSC349/tree/master/HW3**

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	
❑	❑	The CoffeeRun page can be viewed at `http://localhost:3000` when `browser-sync` is running
❑	❑	The `myTruck` object is accessible from the DevTools Console
❑	❑	The CoffeeRun order form matches Figure 9.12
❑	❑	Submitted orders show up in the checklist of **Pending Orders**
❑	❑	Deliveries can be made by clicking checklist items
❑	❑	The payment form has been created using the `FormHandler` module
❑	❑	Submitting the payment form thanks the user in a modal dialog
❑	❑	The Project directory has been pushed to the above GitHub repository
❑	❑	An `.eslintrc.js` file is present in the root of the repository
❑	❑	All issues detected by `linter-eslint` have been fixed
❑	❑	No error messages appear in the browser's DevTools console
❑	❑	HTML, CSS, and JavaScript code have been reformatted with the `atom-beautify` plugin
❑	❑	Project directory pushed to new GitHub repository listed above

Comments:

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