

Lesson 2 Assignment

1. Download and install the Brackets text editor at:

<http://brackets.io/>

2. Clone the class projects GitHub repository to you local machine.

- a. The URL of the repository is:

<https://github.com/jacksonrkj/CIT301CProjects.git>

3. Open the Brackets text editor

- a. Locate and open the `CIT301CProjects` folder that was cloned from GitHub repository and saved on your computer.
- b. Locate and open the `lesson2` folder. This folder contains all of the files for the Lesson 2 Assignment.
- c. Open the `portal.html` file in Brackets and become familiar with the different elements that make up the page. You will need to reference these elements in your JavaScript.
- d. Use the Chrome Developer tools to inspect the html and corresponding css styles used on the page.

If you are not familiar with using the using the Chrome Developer tools to inspect the elements in an HTML document view the link below.

[Using the Chrome Developer tools to inspect HTML](#)

- e. Open the `topics.css` and `contacts.css` files in the `css` folder in Brackets and become familiar with the different styles.
- f. Open the `portal.html` file again in Brackets and select the lightning bolt icon in the upper right corner to display the page in a browser.
 - i. On the left you see the list of topics. On the right you should the list of contacts.

4. Currently the page does not do anything. We need to make this page dynamic so that we can animate the display of the list of topics on the left and the list of contacts on the right. In addition, we need to add code to add, edit and delete contacts from the list on the right side of the screen. Watch the video below to see a demonstration of what you will be able to do upon the page once that it is completed.

[Demonstration of final solution using jQuery](#)

5. You will use jQuery in this assignment to make this `portal.html` page dynamic.
 - a. Navigate to the `javascript` folder in Brackets and open the `portal.js` file. This file will contain all of the code for making the page dynamic. The comments describe what needs to be done. Implement each of the comments using JQuery and JavaScript.
 - b. Use the step by step approach to implement the JavaScript. Implement a few lines or a single function at a time. Save the file after each change and then switch to the browser and refresh the page. Check to make sure that the changes work as expected.
 - c. If there are problems, you will need to use the Chrome Developer tools to debug your JavaScript to find and fix the error. Use the Developer tools to step through the execution of your JavaScript statement by statement. As each statement executes check to make sure the values of the variables match what is expected and that the behavior in the browser window works as intended.

If you are not familiar with using the Chrome Developer tools, view the document below.

[Using the Chrome Developer to debug JavaScript](#)