WEBD 6201 Client-Side Programming

Assignment 3
Ajax

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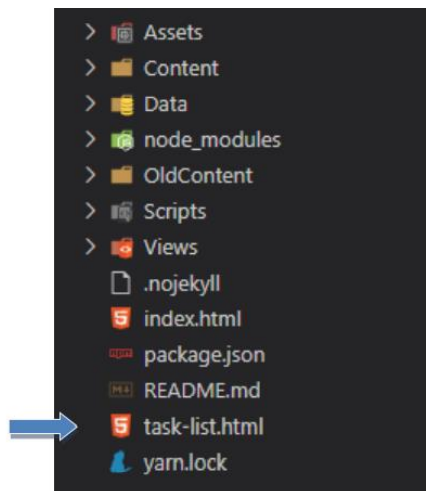
Assignment 3 – AJAX

1. Assignment Objective

This lab was made to practice and reinforce the use of Ajax JavaScript application programming interface (API).
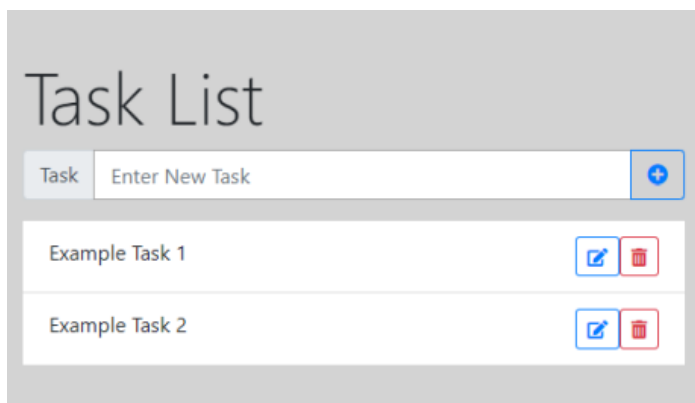
2. Assignment Instructions

Project Setup

a. For the most part, your folder structure should follow the same structure shown. You have been provided with a code base starter (see DCConnect). This will include a new page: task-list.html page

b. The tasklist.html has been created for you. Use the following image as a guide to create the page (if needed):

Single Page Application with AJAX

a. Tasklist page. Convert the task-list.html page to a "content" page. This means you will only keep the elements in the main element (Hint: see other examples in the Views/content folder of other content pages). There is no JavaScript required for this step.

b. TaskList Route. Add the task-list page to the routing table in the router.js file.

c. Tasklist Callback. Ensure that the task-list page is associated with its appropriate callback function. Two functions have been added to enable the task-list to work: the DisplayTaskList function and the AddNewTask function. The DisplayTaskList is the callback function for the task-list page (Hint: see the ActiveLinkCallBack function for examples on how to attach a callback to a page)

d. Tasklist Security. Similar to the contact-list page, the tasklist page should only be available to users that are logged in. (Hint: think about the authGuard function).

e. TaskList Nav Link. Add a new Navigation Link for the task-list page that only displays when the user is logged in. Select an appropriate Icon Font to use. (Hint: see the example for the contact-list link in the toggleLogin function)

Internal Documentation

a. Ensure you include a comment header at the top of your app.js file that indicates: Your Full Name, StudentID and Date Completed
b. Ensure you include function headers for all of your functions
c. Ensure your program uses contextual variable names that help make your code human readable
d. Ensure you include inline comments as required. As a rule, the code should be descriptive but sometimes some information is required, especially before any function you include.

GitHub Share

a. Share your files on GitHub. Create an appropriately named **private** repository that you and your partner(s) will use for this lab. Only 1 repository is required
b. Your repository must include your well-structured code.

Host your site

a. Host your site live on a Cloud Provider of your Choice (GitHub pages recommended)
b. Your site's images should be visible on your Live site
c. Your CSS Layout should function appropriately on your Live Site
d. Your Script files should function appropriately on your Live Site

Video Presentation

a. Create a Short Video presentation. Your presentation should start with an introduction, where it must include a PowerPoint or Google slide that includes 1 single slide to, that introduces each member of your group, to start your video.

b. The first (and only) slide of your presentation must include current images of you and your partner(s) (no avatars allowed) that are displayed appropriately on the page. You must also include your Full Names, Student IDs, the Course Code, Course Name, and your Assignment information.

c. You or your partner(s) will demonstrate your program's functionality. You must show your site working properly on your live site. You will also use your assignment status report as a checklist during your Video Presentation

d. You or your partner(s) will each share in describing the code in your files that drives the functionality of your program – you will want to do this part well and be clear.

e. Sound for your video must at an appropriate level so that your voices may be clearly heard, and your screen resolution should be set so that your program's code and console details are clearly visible

f. Your Short Video should run no more than ~5 minutes

Submission

1. A zip archive of your project uploaded to DCConnect
   a. Please include your video recording (mp4 preferred)
2. A working link to your complete project files on GitHub
3. A working link to your Live Site hosted on a Cloud Provider of your Choice (GitHub pages recommended)
4. Your completed Assignment Status Report
5. Late submissions are deducted -25% per day (max 3 days)
6. Individual (non-group submission) are deducted -15%