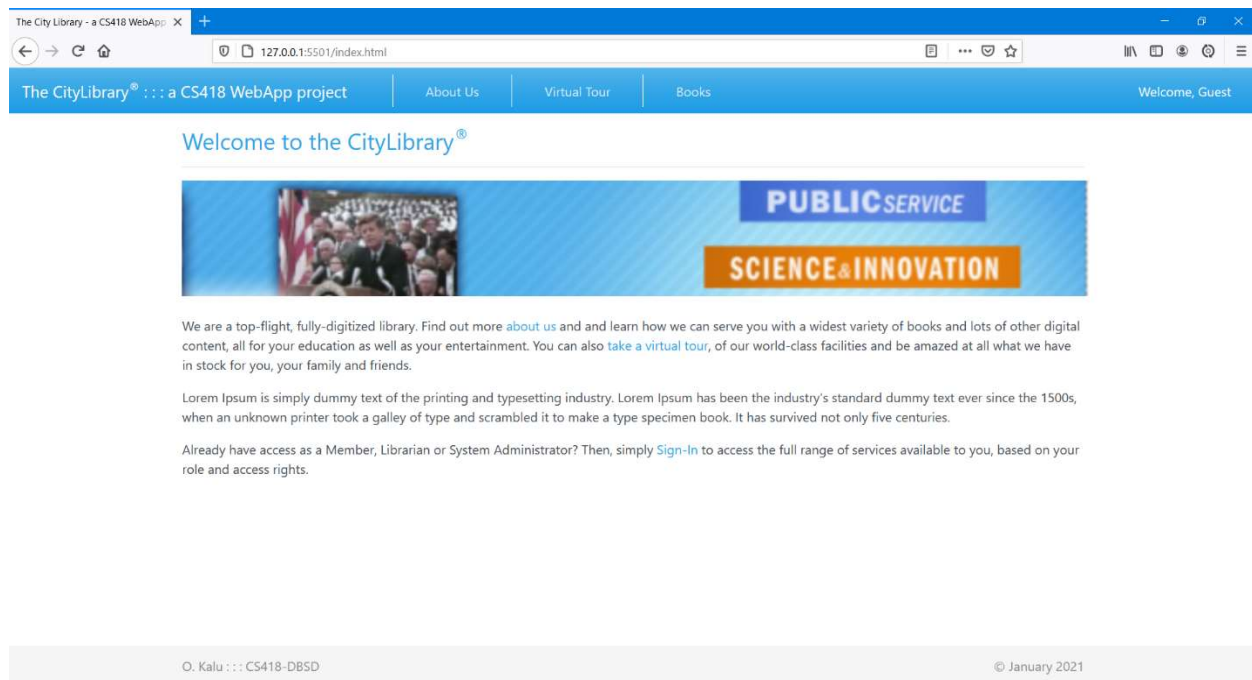# CS418 – DBSD

Website Design and Development Project – City Library

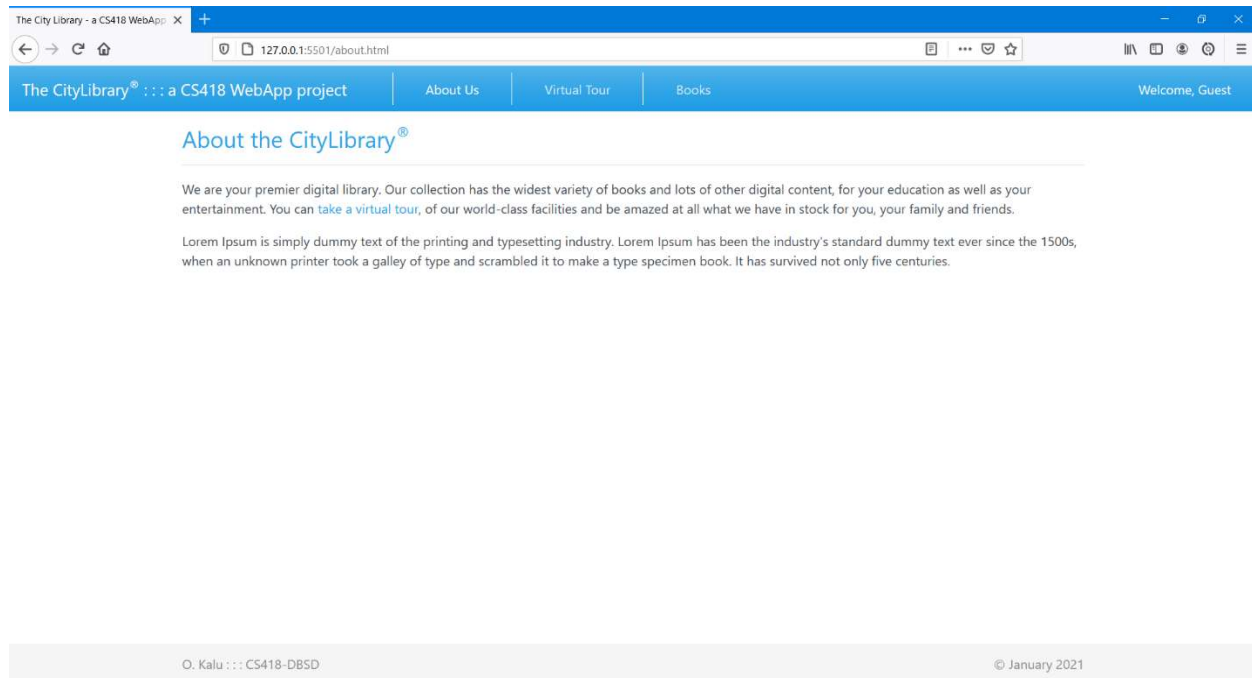Here is a step-by-step guide for developing the City Library website:

(Note: Upon code completion, you are required to push your finished project to a repo on github)

1. In one of your local drives on your computer, create a new directory/folder, named say, "citylibrary".
2. Open the "citylibrary" folder in Visual Studio Code (or some other Code Editing tool which you prefer).
3. In the "citylibrary" folder, create/add the following 3 sub-folders: "css", "js", "images".
4. Download and copy the image files provided for you in the project's resources folder (found on both Sakai and MS Teams) to the "citylibrary/images" folder, on your machine.
5. Implement code for the CityLibrary Homepage, About page and Virtual Tour page:
   a. Using VS Code, add new web page source files named, "index.html", "about.html" and "virtualtour.html"
   b. The figures below are example screenshots of what the pages may look like. **Note**: You may use a CSS framework (such as Bootstrap) to apply necessary styling, to achieve this sample or similar look and page layout:
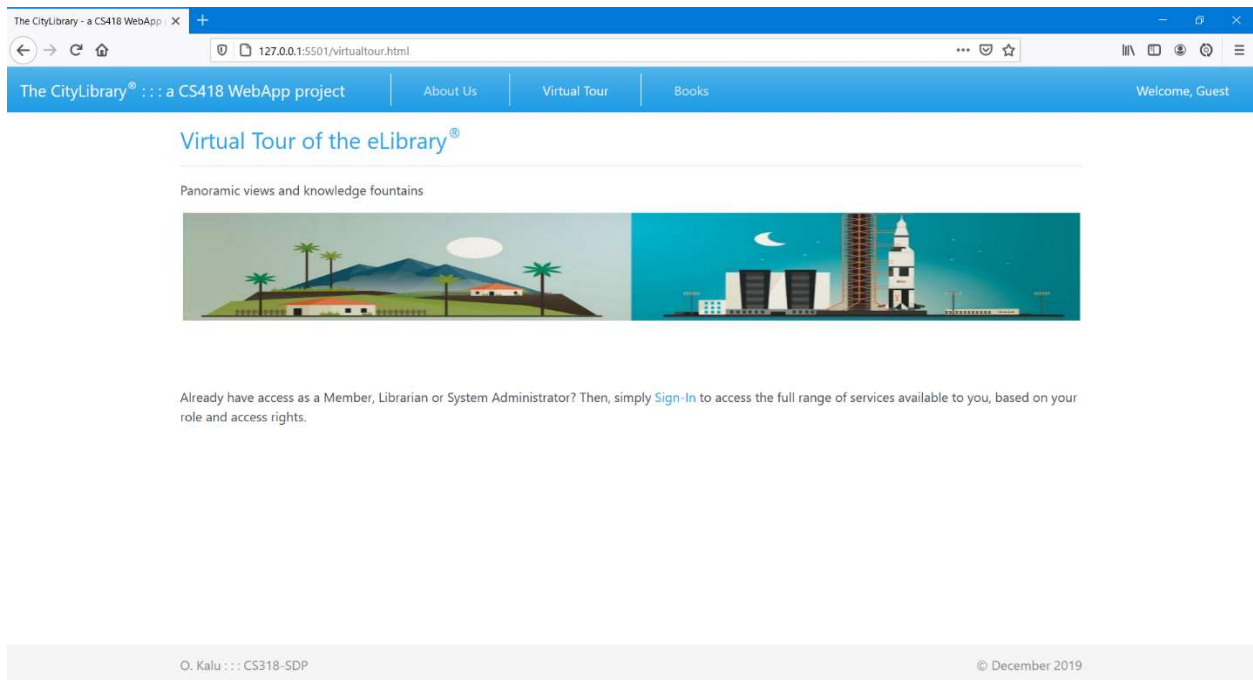
Home page:

The CityLibrary® : : : a CS418 WebApp project   About Us | Virtual Tour | Books   Welcome, Guest

Welcome to the CityLibrary®

We are a top-flight, fully-digitized library. Find out more about us and and learn how we can serve you with a widest variety of books and lots of other digital content, all for your education as well as your entertainment. You can also take a virtual tour, of our world-class facilities and be amazed at all what we have in stock for you, your family and friends.

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries.

Already have access as a Member, Librarian or System Administrator? Then, simply Sign-In to access the full range of services available to you, based on your role and access rights.

O. Kalu : : : CS418-DBSD   © January 2021

About page:

The CityLibrary® : : : a CS418 WebApp project   About Us | Virtual Tour | Books   Welcome, Guest

About the CityLibrary®

We are your premier digital library. Our collection has the widest variety of books and lots of other digital content, for your education as well as your entertainment. You can take a virtual tour, of our world-class facilities and be amazed at all what we have in stock for you, your family and friends.

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries.

O. Kalu : : : CS418-DBSD   © January 2021

Virtual Tour page:

6. Implement code for the CityLibrary Books page:

   Note: The Books data (which is presented in JSON format) will be obtained from a remote RESTful service API hosted online at the url - https://elibraryrestapi.herokuapp.com/elibrary/api/book/list.

   To fetch and present the data, do the following:

   a. Using VS Code, add a new web page source file named, "books.html".

   b. Add JavaScript code to your project, such that when the Books page is loaded in the Browser window, the books data is fetch ed from the remote RESTful service API and presented as shown below:

Books page:

7. Adding a new Book

8. ...