Assignment – 2
Total Points: 100
Due Date: Feb 14, 2024, 11.59 pm (through blackboard)

Please note that this is an individual assignment. Each student is expected to produce their work.

1. **Wireframing:**
   A wireframe is a mockup illustration of a user interface showing the layout of different visual elements. Checkout out more about Wireframes here:
   https://balsamiq.com/learn/articles/what-are-wireframes/
   Use the wireframing tool (like Balsamiq or any freely available tools on the Internet) to create wireframe mock-ups of either your favorite website or mobile app. Make sure to wireframe at least three screens (web pages). Copy and paste the wireframe mockups into the assignment document. (35 points)

2. **Personal Web Site:**
   You will create a personal website using the HTML, CSS, and Bootstrap topics that we are covering in the class. The HTML document will only define the structure and content of the webpage and all the styling information will be provided through an external CSS page/bootstrap that will be linked to the webpage.
   The following information would need to be provided/demonstrated through this web page.
   a. Save your webpage as ***index.html***

   b. Define an appropriate structure for your website. You can read about the structure here: https://developer.mozilla.org/en-US/docs/Learn/HTML/Introduction_to_HTML/Document_and_website_structure

   c. Include a navigation bar (Navbar in Bootstrap) to help the user navigate to different sections of the webpage. The below steps will describe the content you would need to include on the webpage. You can organize the content into different sections by using div tags. The links on the navbar should allow users to navigate to different sections of the webpage.

      i. Provide your name and major.

      ii. Your picture or any other picture.

iii. A paragraph providing a short biography about you and your career aspirations.

iv. A table depicting your weekly schedule including classes you are taking and any working hours.

v. Links to some of your favorite sites.

vi. A bulleted list of your favorite movies or books

vii. An ordered list of hobbies or fun things you like to participate in.

viii. Any other information that you would like to provide to enrich the personal website.

Please note your grade for the personal website will be determined not only by the actual HTML structure and content but also by the creative and aesthetic ways you have defined the style elements in the CSS page and your use of Bootstrap components and other elements. (65 points)

Instructions for deploying your website to GitHub and Accessing it through GitHub Pages.

If you are unfamiliar with **Git** and **GitHub**, you would need first to learn these concepts. The learning materials on Git and GitHub are available under the Git and GitHub folder on Blackboard. *As a Computer Science student, you are expected to know Git and GitHub as they are extensively used in the industry.* Additional topics on Git and GitHub will be made available subsequently.

Please complete the below steps after you have learned the material on Git and GitHub.

The instructions below are for submitting your work through GitHub Classroom.

I have created a video recording of these steps which posted along with the Assignment on Blackboard. Please watch the video and follow along the steps below. The recording towards the end also demonstrates how to use GitHub pages.

1. Make sure you already have a GitHub account and have updated your profile page with your first and last name.

2. Click on the following link to accept the GitHub Classroom Assignment - https://classroom.github.com/a/ZeqnHUY1

3. You will be prompted to accept the assignment.

4. After you accept the assignment wait for a minute and refresh the webpage.

5. You will find a unique repository created for you with the address of the repository provided.

6. Launch VS Code on your machine and close the current open projects.

7. Next, open the folder from inside VS Code where you want to create a local repository.

8. Open the terminal and clone the remote repository using the appropriate git command.

9. Move the webpages, CSS folder with CSS files, and Images folder with the image(s) that you had already created into your local repository.

10. If you must make any further changes to webpage(s), go ahead, and make them on the files in the local repo.

11. Save all the changes.

12. Next, add the files to the staging area and commit all the changes using appropriate git commands.

13. Refresh your repo on GitHub to make sure all the files and changes were transferred to the GitHub account to the assignment repo.

14. Go to **Settings** of the remote repo of the assignment and click on the **Pages** under "**Control and Automation**" grouping.

15. Make sure that the "**source**" is set to "**Deploy from a branch**".

16. Enable the **GitHub Pages** by selecting the "**main**" branch and clicking on the **Save** button.

17. Wait for a minute or two and refresh the webpage until you see a URL displayed with the address of the website.

18. Click on the website to ensure everything looks fine.

19. If something is amiss and you want to make changes to the website, do so in the VS Code in the local repo.

20. Add, Commit, and Push the changes to the remote repo. (Note that the changes will not be immediate as GitHub Pages take a few minutes to display the changes). If you don't see the changes, open in InPrivate browser if you are using Microsoft Edge or Incognito Window in Chrome and paste the web address of your website to see changes.

21. The last step would be to include the address of your website that you posted on GitHub pages.

   a. Create a file in your local repo called MyWebsiteLink.txt

   b. Paste the address of your website that you deployed to GitHub Pages

   c. Save the changes.

   d. Add, commit (with commit message – "MyWebsiteLink added"), and push the changes to the remote repo.

Please note that Feedback pull requests have been enabled on this assignment in GitHub. This means that a pull request will automatically be created on all student repository submissions. Students can make pull requests to ask any questions on the assignment.

Things to submit on Blackboard:

You will be submitting your Assignment document using the Assignment-2 link on Blackboard. The assignment document should contain the following:

1. Mockups of the Wireframes
2. URL of the GitHub pages displaying your webpage. Please remember that this URL should display the webpage you created and posted on your GitHub repo.
3. Copy and paste the HTML code from your web page (index.html)
4. Copy and paste the CSS code from your CSS file.