

## CPSC222 Project 2: Website Enhancement with Bootstrap and JavaScript

Please read **everything** in this document carefully. You are responsible for knowing all information inside of this project document.

### Overview:

In this project you're going to be building a more advanced version of the website you created in Project 1. You will be asked to use JavaScript and Bootstrap in order to add new features and functionality. The Getting Started section will give you the instructions for properly setting up your GitHub repository, downloading the starter code, and adding me as a collaborator to your Repo so I can see your changes. The Requirements section will outline what is expected of you in the assignment. Finally, Deliverables will outline what needs to be submitted and where.

### Getting Started:

Download the starter code as a zip file from the Project 2 assignment page in Canvas.

Next, create your own **PRIVATE** GitHub repo named "CPSC222-Project2-YOUR\_NAME" so for example mine would be CPSC222-Project2-BradenWhited. Once you've done this add me (GitHub username: BradenWhited) as a collaborator to your repo so that I can see your changes and progress. Note that I will only check this after the submission deadline passes to grade or if you ask me for help before then. Instructions for adding a collaborator are here:

<https://help.github.com/en/github/setting-up-and-managing-your-github-user-account/inviting-collaborators-to-a-personal-repository>.

Once you've done this clone your repo so you have it locally, add your downloaded starter code that I have provided and push to your repo. At this point you can begin working and any changes you make should be pushed to your private repository.

### Requirements:

This project is worth 100 points in total. The coding portion of your assignment will be worth 80 points and your written reflection journal will be worth 20 points. Please note that the distribution of points for this project differs from Project 1 given the nature of what is being asked in this assignment. You may either extend what you built in Project 1 or create a new site from scratch. Just make sure your sites meet all of the below criteria

### **Coding Requirements (80%):**

#### *HTML and JavaScript (60%):*

- ❖ Your website will be comprised of at least 7 html pages
  - A homepage named index.html
  - A contact information page named contact.html

- Five additional pages named of your choosing
- If you choose, you may include more than 7 pages, but you must have at least 7
- ❖ You must have breadcrumbs on every page of your website showing user navigation and the page structure of your site:
  - You must do this through relative URLs
  - You should be able to navigate to different pages using breadcrumbs
  - The breadcrumb for the current page should show but not be a link
- ❖ You must include a navbar to navigate across your site
  - Every page in your site must be able to be navigated to through the navbar
  - You must do this through relative URLs
  - Include a navbar-brand in the top left corner of the navbar that links to index.html
  - You must include a dropdown menu in your nav bar that links to at least 3 of your pages within the dropdown
  - Your navbar must include a faux login form comprised of a username, password, and submit/login button
    - There does not have to be any actual login verification with a backend or data of any kind
    - However, the following functionality should take place:
      - When the user fills out the form and clicks submit it checks that neither field is empty
      - It replaces the login form in the navbar with a message that says: “Hello <username>”
      - This message does not need to persist between pages (if you go to a different page the login form can show again)
      - Hint: this requires JavaScript to accomplish
- ❖ Each page must contain 1 paragraph text and 1 heading text
- ❖ Each page must contain at least 2 URLs with absolute URLs that open in new tabs
- ❖ Each page must contain at least 1 unique image
  - This image should be stored locally in the “images” folder provided in the starter code
- ❖ Each page should include a <head>, <body>, and <footer> tag
- ❖ Each page should contain a title and a favicon
- ❖ You must use at least 1 JumboTron on your index.html page
  - Add a button to your jumbotron that when clicked displays a **dismissable** Bootstrap alert message on the page
- ❖ You must use at least 3 modals on your website
  - All your modals should have close buttons on them
  - All your modals should fade out on close
  - One of your modals should contain a form with validation
    - This form should be at least 5 fields
- ❖ You must include at least 3 image carousels on your website
  - Each carousel should include at least 3 images
    - These images should be stored locally in a folder called “carousel” within the “images” folder
  - 1 carousel should include no controls and change slides automatically
  - 1 carousel should include forward and backward arrows to manually change slides
  - 1 carousel should include captions on each slide of the carousel

- The captions should be different for each slide
- ❖ Your contact.html page should:
  - Include a form that requests the following fields:
    - First name
    - Last name
    - Address
    - City
    - State
    - Zip Code
    - Message
  - The State field should be a drop down of all 50 US states
  - Upon clicking the submit button of the form, a modal should pop
    - Within the modal include the message
      - “Thanks for reach out <First Name> <Last Name>” We’ll be sure to reach out to you at <Address> when we get the chance!
      - The data in the modal should be loaded according to the data entered into the form
  - The form should perform basic (non-empty) validation for each field
  - Add a button next to the submit form that pre-populates the form with data in every field
    - Either use your data or make up a name and information. Just have it enter something

#### *CSS (10%):*

- ❖ You must use an external CSS sheet for this assignment
  - This CSS sheet must contain at least 10 different sets of rules
    - You may reuse rules across multiple html files if you wish
    - You may use multiple CSS files if you wish
    - This CSS is in **addition** to any styling you implicitly get from Bootstrap
  - Add a button to your index.html page that when clicked toggles the background-color or background-image on the page
  - None of your forms on the page (Except the fake login form in the nav bar) should have every field on a new line. Utilize the bootstrap grid system to have some fields be in the same row as each other.

#### *GitHub (10%):*

- ❖ You must make at least 10 separate commits throughout the project. You will receive full credit if your repo has 10 or more commits. If you have less than 10 commits you will lose all 10% of this portion.
  - This is done to encourage you to work on small, specific features and not check in large chunks of code at once, which is a bad habit.

#### **Journal Requirements (20%):**

You will write a small journal to collect your reflections and thoughts around the project and how you choose to approach it. Your journal should be submitted as a PDF in the “journal” folder of your project

*Opening (1/2 Page):*

Describe your initial thought process to attack the project. What kind of a site are you planning to create? Are there certain parts of the project you think are easier than others? Difficult? How do you think you will do?

*Submission Reflection (2-3 sentences per ‘git commit/push’ you do to your repo)*

Include the check-sum or date and time of your commit/push. What new have you added or changed this time? Are you running into any obstacles? What do you want to do next?

*Conclusion (1/2 Page):*

Give your final thoughts on the project. Are you happy with how your project turned out? What are you most proud of or impressed with in regards to the work you’ve done on the project. Is there anything you would do differently if you had the time or knowledge to do so? How did this project compare to your experience with the previous project?

Deliverables:

Submit your project as a compressed .zip file to Canvas. In the project comments include a link to your private GitHub repository that you have been using for the project. I should be listed as a collaborator on the repository so that I have access to view it.