

Final Project

You will create a web site using HTML, CSS and Bootstrap. You must implement and use HTML & CSS along with Json, Cookies, and Bootstrap Components. Your site will contain 3 pages including: **Home Page, Product/Gallery/About Page(s), and a Contact Form page**. Use the skills learned from the class lecture, exercises, assignments, resources and your logic to complete this project.

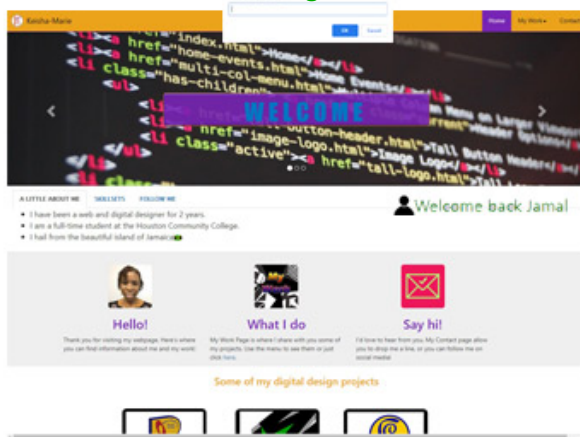
This project will demonstrate your ability to do the following:

- Use Cookie Functions, and Json
- Implement Bootstrap Components
- Use HTML 5 Validation & Bootstrap Form Classes
- Use proper CSS and HTML 5

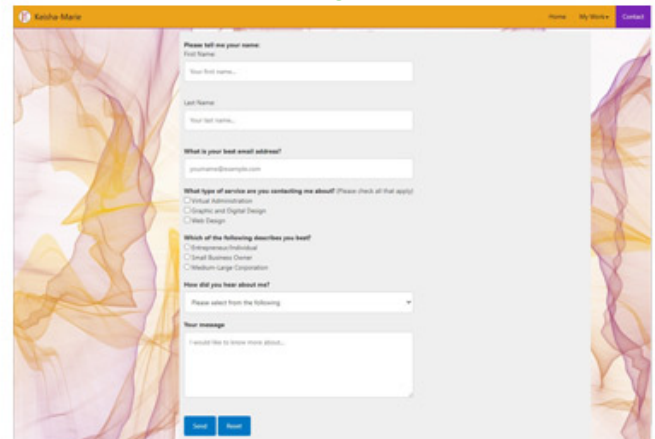
This project will consist of the following files:

- index.htm
- products.htm
- contact.htm

Home Pages



Contact Pages



Product-Gallery Sample Page



Product-Gallery Sample Page



Use the above samples to guide your design. Use any images/videos you would like to use. Publish your project to your remote web server. **Post the URL to your project** on the Eagle Online site in the “Final Project” section. **ZIP your files and attach them to the project.**

Email questions to nicol.alexander@hccs.edu.

Home Page

The purpose of this page is to demonstrate your ability to use HTML 5 for user interaction and Json. Implement Bootstrap Components and use Cookies for data persistence.

Do the following on the Home page:

- A. Create a page named “index.htm”
- B. **Create Bootstrap navigation** with links to all pages.
- C. **Try a different theme.** Use SchemeColor.com to create a theme. You can layout the home page and all other pages any way you want. Keep a consistent design/colors cheme for the site. You may re-use the Lesson 8 pages for functionality.
- D. **Name, Class Information** -- Put your Full Name and IMED-2315 at the top of the home page.
- E. **Bootstrap Carousel** -- On the Home page, **use a Bootstrap Carousel** that will contain **between 3 – 5 images**. The Carousel should automatically rotate to a different image after a specified time.
- F. **Extra Credit:** use a Video (embedded or YouTube) in the slider.

Resources:

<https://getbootstrap.com/docs/4.5/components/carousel/>
<https://getbootstrap.com/docs/4.5/components/navs/>
<https://www.schemecolor.com/> -- Color Scheme
<https://www.pexels.com/> -- Photos/Videos

Store – Products- Gallery-About Page

Create at least 4 products. They can be on the same page or separate pages.

The purpose of this page is to demonstrate your ability to use Bootstrap Components and HTML5 Local Storage for data persistence. The Products or About page can have Products or Pictures of projects (4 minimum).

- A. Each Product/Project must have a Title.
- B. The Product/Project page will have descriptive text.
- C. Each Product/Project must have a Thumbnail (ex: 200px by 180px). For each product used in a photo gallery.
- D. Each Product/Project will have at least 1 large photo (or videos) There must be a way for the customer to see a larger version of all product photos.
- E. **Try to use Bootstrap Card Components** to display Product/Project Image & Description, Specifications, “Mock” Customer Reviews, or other information about the product. You must have at least 1 Card Component for each product. *Use realistic text in descriptions.*
- F. Display your “**Name**” and “**Class Info**” (created on the Home Page) on this page.
- G. **Cookie Name:** Add Cookie then display the user name on the Home & Product/Project Page.
- H. **Extra Credit:** Add link(s) to a separate page related to the image/video (e.g. link to Manufacturer site).
- I. Use a themes from SchemeColor.com. Make sure all pages have a consistent theme.
- J. Make sure there are navigation links to all other pages.

Resources:

<https://getbootstrap.com/docs/4.5/components/card/>

<https://getbootstrap.com/docs/4.5/components/navs/><https://www.schemecolor.com/>

[-- Color Scheme](https://www.schemecolor.com/)

Contact Page - Form

The purpose of this page is to create a simple form that will collect some information from a user, and use Bootstrap 4 Form Components and HTML 5 elements in the page.

The page must do the following:

1. Have a form that collects the following: Name, Phone, Email, Address.
2. Try to use various form elements (text input, radio buttons, checkboxes, select list)
3. Each item must be **validated** for existence (Use HTML required="required")
4. Use **Bootstrap Classes** on fields. (e.g. date, radio, checkboxes, etc.)
5. Display your “**Name**” and “**Class Info**” (Same as the Home Page) on this page.
6. Use a themes from SchemeColor.com. Make sure all pages have a consistent theme.
7. Make sure there are navigation links to all other pages.

Contact Form

Use the following fields for the Contact Form:

First Name	Text field	Required
Last Name	Text field	Required
Email	Text field	Required
Phone	Text field (masked) e.g. (111) 111-1111	Optional
Address	Text field	Required
City	Text field	Required
State	Select list	Required
Zip Code	Text field	Required
Date Picker	HTML5 Date Picker <input type="date" name="birthday"> <input type="submit">	Required
Radio Buttons	Bootstrap Radio Button class="form-check-input" type="radio"	
Check Boxes	Bootstrap Check Boxes class="form-check-input" type="checkbox"	
Text Area	Bootstrap Text Area <textarea class="form-control"></textarea>	
Submit	Buttons	
Reset	Buttons	

NOTE: You can add additional fields to the form as you see fit.

Final -- Grading Summary

Description	Points	Score
<u>Home Page</u>		
<ul style="list-style-type: none"> - Name and Class displayed on this page - Have a working Image Slider (3 – 5 images) - Have a Bootstrap navigation - Have a theme for Navigation and Footer - Have a theme for Background, Navigation and Footer - Display sample text on the homepage to simulate a store. 	30	
<u>Products-Gallery-About</u>		
<ul style="list-style-type: none"> - Has at least 4 Products/Thumbnails - Products/Thumbnail(s) have a Title, Description. - Each Products/Thumbnails has at least 1 larger photo. - Have a theme for Background, Navigation and Footer - Name and Class displayed on this page 	40	
<u>Form</u>		
<ul style="list-style-type: none"> - Build a form with all fields (see pages 5 & 6) - Will validate required fields. Show error message “inline” next to field with error (<i>Can Use HTML5 "required"</i>) - Use jQuery UI effect on error fields (<i>Can Use HTML5 "required"</i>) - Form submits to a Thank You page -- “Thank you for Visit!” - Have a theme for Background, Navigation and Footer - Name and Class displayed on this page 	30	
Total	100	

EC = Extra Credit