

Software Engineering Bootcamp

Project 1: Basic Business or Personal Website

Introduction

You are tasked with crafting an informational website tailored to either a freelance professional or a business, whether it's real or imaginary. Your project may involve building a portfolio site for a photographer friend or designing a website for a fictional pizza restaurant.

While you have total control over the topic and depth of information contained in the site, you will be evaluated on your ability to meet both the technical requirements and workflow requirements.

There are screenshots of an example project included in the next few slides. Your project does not have to look identical to this. It is to be used as inspiration!

Key Areas Covered

- HTML
- CSS
- Git/GitHub workflow

Workflow Requirements

The following requirements are related to how you go about building your project.

- **Planning phase** - planning should be completed prior to beginning the development phase and/or touching any code.

User stories

- 1) Write out at least three user stories that describe how a user will interact with your site

Wireframes

- 2) Go ahead and create wireframes of each page of your site--they should include important content and user interface elements such as images, links, buttons etc.

- *Wireframes can be done on paper or using any number of widely available applications. A free one that may be useful is [draw.io](#).*

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Development phase

- 3) Create a GitHub repository on Github.com (before you start coding)
- 4) Clone it to your local machine (before you start coding)

- 5) Make frequent commits throughout your development that are descriptive, such as "adds nav bar to home page" (throughout development/coding process)

Technical Requirements

*The following requirements are related to what your **code** should contain*

- 1) Your site should either be comprised of at least three separate .html pages or you should have at least three separate sections in your single html page, where such that a menu can navigate between these sections.
- 2) Your site should have a style.css file in your /css folder that contains your custom css
- 3) All of your .html pages should link to and include the style.css , so that your stylesheet is shared site-wide
- 4) Your pages should all be linked together using <a> tags, by way of a navigation bar
- 5) Your site should include at least one image (tag)
- 6) Your site should contain a form that includes at least three fields, at least two of which should be required.

e.g. Here is an example of how you could meet this requirement for a contact form.

Name	Type	Validation
First Name	input type of text	required
Last Name	input type of text	none
Email	input type of email	required
Comment	textarea	required
Submit	input type of submit	none

- 7) When a user submits your contact form, use formspree.io to ensure you receive the submissions (optional, for extra points)
- 8) At least one page on your site should make use of a multi-column layout. For example, you may want to use Bootstrap's grid system to layout rows and columns of images on a "gallery" page of your site
- 9) An implementation of either Bootstrap's carousel component or tabs component (optional, for extra points)
- 10) Your repository should be pushed to your GitHub account
- 11) Your HTML should be validated using an HTML validator and should not contain any errors. Only warnings and info items are accepted.

Deliverables

To successfully complete this project, you must perform the following.

- 1) Your user stories
- 2) A collection of wireframes - one for each view of your app
- 3) Your app source code should be available for viewing in your GitHub repository
- 4) A readme.md file in the root project folder that contains the following information about your project:

- Your name
- Overview/description of the project
- Details on how to use it or what functionality is offered
- Technologies Used (**.html , .css**)
- Ideas for future improvement (minimum of 3)

5) Your repository should contain at least 15 commits and should reflect a consistent commit history

6) Your code should be hosted on GitHub Pages.

You determine the topic of the application, and you may even choose to replace questions with forum topics in case you wanted to build a forum. Any changes you make to the project are intended to serve the purpose of creating something that resonates with you. Changes should not be made to simplify the project.

You don't have to stick to the exact wireframes. Just make sure you include all the necessary elements on your website.

Submit your GitHub link and hosting link (include everything on a word document and upload the document under Project Submission section). All deliverables should be included on GitHub and the site should be made publicly available using a hosting service.

Project Grading

To pass the project, Instructor should take below criteria into consideration while grading this project and decide whether to Pass or Fail the student.

- **Functionality**
- **Robustness**
- **Creativity, styling, user experience**
- **Code quality.**
- **GitHub structure**
- **Documentation, Installation instructions, Comments**

Mandatory requirements for grading instructor should consider:

1. The website should be hosted on GitHub Pages and the hosting link should be in the README.md file of your GitHub repository.

2. All pages of the hosted website should contain 0 validation errors using <https://validator.w3.org/>. Without meeting (1) + (2), the submitted project automatically receives a score of 0 points.