**Front-End Academy  
  
Capstone**

**Guide**

Version 1.1 ITC

**Build an E-Commerce Website**

**Description**

In this project, you will use what you know about HTML, CSS and Bootstrap to create an e-commerce website. You can sell products or services, whatever seems fun and interesting to you.

The website will include five pages (listed below). You will also be required to include certain HTML elements on your pages, including but not limited to HTML tables, HTML forms, images, lists, semantic HTML elements, and Bootstrap components.

**Page Requirements**

Your website should include the following pages

* **A home page**
  + Must have at least one stand-alone image
  + Must have at least two paragraphs of text
  + Must incorporate a bulleted or numbered list with at least 2 list items
* **A products or services page**
  + Must list at least 6 products or services that are offered with a button that allows them to be ordered or added to a cart
  + Each product/service must be described using a Bootstrap Card and each must contain a title, image, description, and “Add to Cart” button
* **A user registration page**
  + Must have an HTML form with username, password, password confirmation and email fields
  + Must have a set of radio buttons with at least 4 responses to the question "How did you hear about us?"
  + Must have a submit button
  + Must include appropriate HTML validation attributes
* **A user login page**
  + Must have an HTML form with username and password fields
  + Must have a “Remember Me” checkbox
  + Must have a login button
  + Must include appropriate HTML validation attributes
* **A checkout page**
  + Must have an HTML form with appropriate input fields, a select field, and a submit button for purchaser information
  + Input fields must include appropriate HTML validation attributes (ex: required, max length, etc.)
  + Must contain an HTML table displaying at least 3 rows of sample data for items in the cart

**Challenge Yourself**

If you have time and want to challenge yourself, consider the following:

* You can use a custom media query to change the way the one page looks in a desktop vs mobile browser (suggestion: hide/show elements)
* You can create another page that demonstrates some HTML, CSS, or Bootstrap feature that shows off something fun! It should complement your website and add to the user's experience

**Other Requirements**

Your website must also meet the following requirements:

**Project Structure**

* Your code must be in a GitHub repository
* You should use an appropriate directory structure (css, images, and scripts folders)
* File names should be in all lower case with no spaces

**Design**

* You must have a consistent look and feel throughout the site, along with intuitive navigation
  + This can be accomplished by your theming choices and by use of a consistent header, a navbar, and (if desired) a footer across your pages
* It must exhibit responsive behavior with breakpoints for desktop and mobile browsers
  + You can accomplish this using the Bootstrap grid system and navbars
* You must use appropriate semantic HTML elements such as <header>, <nav>, <main>, <section> and others on

**Technical Quality**

* Your HTML and CSS should be well formatted and include comments
* There should be no errors in the browser's Console tab
* Your HTML and CSS code must pass validation at both   
  <https://validator.w3.org/nu/> and <https://jigsaw.w3.org/css-validator/>

**Repository**

* You must use Git branches appropriately
* It must contain an appropriate Git commit history
  + ***Minimally***, you should have a commit for each meaningful piece of work completed
* It must contain an informative README that:
  + describes your project
  + includes images of ***each*** of the site's pages
  + describes/shows one interesting piece of HTML/CSS that you wrote

**Class Demonstrations**

On the last day of the capstone week, you will present your capstone to your peers, managers, and mentors. The ITC staff will provide more details.

Typically, you will be expected to:

* Show off your website and the pages within it
* Show one interesting piece of HTML/CSS/Bootstrap you wrote
* Answer questions from the audience if time permits