Let's Create Our Own eCommerce Site

PV219, spring 2022

What Are You Going To Learn

- **Template Design** — Design a home page, products page, product page, shopping cart page, and place order page with HTML5, CSS3 (SCSS) and JavaScript, and learn how to implement the PHP templating system with HTML

- **GET and POST Requests** — Create accessible HTML forms and data request handling with PHP

- **Prepared SQL Queries** — How to prepare SQL queries to prevent SQL injection

- **Basic Validation** — Validating form data that is sent to the server (client and server validations)

- **Session Management** — Initialize sessions and store shopping cart products

Contents

- Getting **Started**
  - Requirements (Local Web Server / Dev stack)
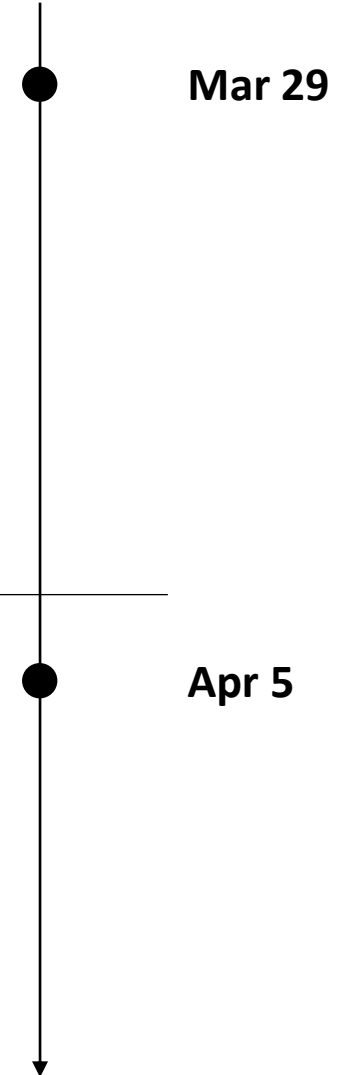 - File Structure & Setup

- Creating the **Database** and setting-up Tables

- **Designing** the Shopping Cart System with CSS

- Creating the **Functions File**

- Creating the **Index File**
  - Connect to SQL Database
  - Basic Routing

Mar 29

Apr 5

Contents

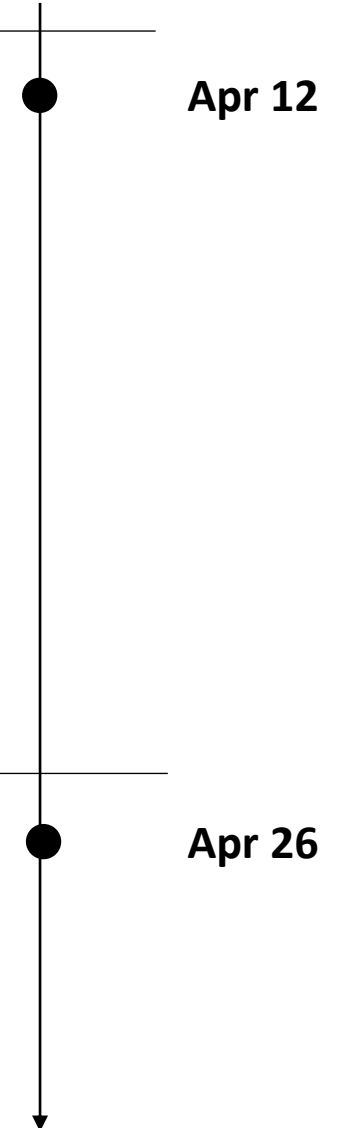- Creating the **Home Page** — Apr 12
  - Get 4 Products from Database
  - Create Home Template

- Creating the **Products Page**
  - Get Products from Database with Pagination
  - Get the Total Number of Products
  - Create Products Template

- Creating the **Product Page** — Apr 26
  - Get Product from Database with GET Request
  - Create Product Template

Contents

- Creating the **Shopping Cart** Page

  - Adding a Product to Cart

  - Removing a Product from Cart

  - Updating Product Quantities

  - Handling the Place Order

  - Get Products in Cart and Select from Database

  - Create Shopping Cart Template

- Creating the **Place Order** Page

  - Create Place Order Template

May 10

May 17