Task: Capstone Project II

Introduction

Welcome to You Second Capstone Project!

In this task you will be consolidating the knowledge which you have learnt and applying it to a real world application – creating an online store! You'll be tasked with a set criteria to meet, and the rest is up to you! This application task forms part of an application series which will resurface at the end of each subsection. It's also important to remember that you will carry each segment of code forward with you – so ensure that you're proud of it as it could be the first project you add to your webfolio!

You don't have to take our courses alone! This course has been designed to be taken with an online mentor that marks your submitted code by hand and supports you to achieve your career goals on a daily basis.

To access this mentor support simply navigate to **www.hyperiondev.com/support**.

Application Series

As mentioned above, the Application Series is a way for you to test your programming skills while creating a webfolio. Being able to *understand* a programming language or technology for development is a key skill. Being able to *apply* your knowledge in order to create software to meet the unique specifications that a client may want, is the most desirable skill in the industry though. Creating software allows you to highlight your development skills to a prospective employer!

Every day you are exposed to examples of great software such as Facebook, Youtube and even desktop programs like MS Word – all designs which were unique enough to take the world by storm. For developers, the goal is to find software that is needed, or even just wanted, and creating it or improving existing software. Remember, any great design must be functional and meet the specifications provided by the user. A software solution that looks good and works but doesn't do what the user wants it to, is like creating a bike with square wheels. Would you want to ride a bike with square wheels? Most definitely not!

Webfolio

To get hired as a web developer you need to be able to showcase your skills! One of the best ways to do this is using a webfolio – a collection of online creations to impress at

your next interview. The first few applications you create will probably not be that impressive, but you'll eventually find yourself creating new, more efficient and eye-catching projects at a steady rate.

This application series will give you the means of creating the first project of your very own webfolio, allowing you to walk away from this course with more than just a certificate, but a headstart in your career!

The task at hand

The next part of this project will focus on JavaScript – the language which adds the background functionality and animations on all the beautiful websites you see. You'll be tasked with a set criteria of JavaScript requirements to enhance a basic site with certain functionality. It's worth noting that any additional functionality is up to you but will be worth it at the end of the day!

Compulsory Task

Your online store is required to implement the following:

- Within the entirety of your site, you should have the following JavaScript functionality:
  - You'll be creating a shopping cart for your online store
  - Allow a "quick add to cart" from the catalogue page
  - Each product's page must have the option to "add to cart"
  - When an item is added, an alert should tell the user what the current total is.
  - Create a new html page for the cart section which allows the user to see what is in their cart, each item's price, and the total cost (remember to add VAT!)
  - Create a form which allows for "discount coupons"
  - Create forms to allow a user to select "collection" or "delivery"
  - Create forms for different delivery options
  - Your total should change based on what delivery option is chosen and if a certain coupon is applied.
  - Create a confirm order button which alerts the user that their order was successful and generate them a reference number (keyword: generate)

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