



Task: Capstone Project I

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Introduction

Welcome to Your First 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!



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YOUR MENTOR**

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

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

Your daily lives involve many prime 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. 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

Every developer's career has a starting point, and the best one to have these days is a webfolio - a collection of online creations to impress at your next interview. As a new developer, these generally start out slow, but you'll eventually find yourself creating new projects at a steady rate with each become more efficient and eye-catching.

This application series will give you the means to create 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 first part of this project will focus on HTML - the core part of any website. You'll be tasked with a set criteria of HTML requirements to create a basic site with certain functionality.

The next part of this project will focus on CSS - the element which styles all the beautiful websites you see. You'll be tasked with a set criteria of CSS requirements to style 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 1

Your online store is required to implement the following:

- Create a homepage which acts as the landing page for your store
- Create at least 3 other pages (this could include pages such as “about us”, “meet the team”, “shipping details”, etc).
- Your site must have a catalogue page which loads the items which are for sale.
- Your catalogue page should have at least 10 items for sale (include some details of the item here).
- Clicking on an item should load a new page which gives more details about the item - have at least 5 details about each item.
- Within the entirety of your site, you should have the following elements:
 - At least 5 images
 - At least 1 search bar (though it need function - try as a challenge)
 - At least 3 font sizes (to help differentiate sections)
 - At least 2 external links (maybe to a shipping company, or an email address)
 - At least 1 table
 - At least 1 list (ordered or unordered is fine)
 - At least one submit button form (possibly to simulate a login)
 - At least one radio button form (you could select different kinds of shipping methods to your location)
 - At least one quote (this could be from a previous customer or a review)
 - At least 2 blocks (i.e text with a background)

Compulsory Task 2

Your online store is required to implement the following:

- Within the entirety of your site, you should have the following styling:
 - At least 3 font styles with different colouring effects
 - Padding for all images and buttons
 - Borders for all images and tables
 - At least 2 floating boxes
 - Background colours/images for all pages
 - All tables must have customised formatting (colours, layout, etc)
 - Center all content, with the exception of multiple row items being equally padded around the center
 - All lists must be customised
 - Animate background colours to change between different variants of colours (a bit of googling here will help you)
 - Animate item images to expand when hovered over (or clicked on if you prefer)
 - Apply a colour filter to at least 2 images



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