

Organise



TASK

Capstone Project I

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Introduction

Welcome to your First Capstone Project!

This Capstone is a milestone in your learning so far. In this task, you will be consolidating the knowledge which you have gained and applying it to a real-world situation - creating an online store! This Capstone project will give you the opportunity to demonstrate your competence in using two vital technologies in web development: HTML and CSS. Be creative - you'll be tasked with a set of criteria to meet but the rest is up to you! You will add further functionality to this Capstone Project later in this level. It is worth spending time and effort to make this a project that you can be proud of! It could well be the first project you add to your developer portfolio!



Get in touch
Connect for support

Remember that with our courses, you're not alone! You can contact your mentor to get support on any aspect of your course.

The best way to get help is to login to www.hyperiondev.com/portal to start a chat with your mentor. You can also schedule a call or get support via email.

Your mentor is happy to offer you support that is tailored to your individual career or education needs. Do not hesitate to ask a question or for additional support!



CAPSTONE PROJECTS

This is your first Capstone Project with Hyperion! Capstone Projects allow you to test your programming skills while creating a developer portfolio. It is important to understand a programming language or technology for development but it is even more important to be able to apply your knowledge in order to create software to meet the unique specifications that a client may want. Creating software allows you to highlight your development skills to a prospective employer!

You most likely use great software such as Facebook, Youtube, and even desktop programs like MS Word every day. As a software developer, you will want to be able to create software that is needed or wanted. You will also be able to improve 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.



DEVELOPER PORTFOLIO

Developers who have the edge are those who find ways to apply their newfound skills from the get-go. A [developer portfolio](#) (a collection of online creations that you have made) allows you to demonstrate your skills rather than just telling people about them. It's a way of bringing your CV to life and introducing yourself to the world. As you learn more skills and put these into practice, each project that you complete will become more efficient and eye-catching.

This application series offers you the means to create the first project of your very own developer portfolio, allowing you to walk away from this course not only with a certificate but, more importantly, with a headstart into 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 provided with set criteria of HTML requirements with which 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 given set criteria of CSS requirements with which to style a basic site with certain functionality. You can add any additional HTML components and style the rest of the project as you like. Feel free to use Bootstrap and your own stylesheets to make this online store look and feel exactly as you like.

Before you begin

A key focus of this project will be ensuring that your CSS and HTML is correct, well formatted and readable. In this regard, make sure that you do the following before submitting your work:

1. Add comments to your HTML and CSS.
2. To help you identify HTML syntax errors, use this helpful [tool](#).
3. To help you identify errors in your CSS, use this helpful [tool](#).
4. Make sure that you use a good directory structure to organize your web application. Make sure that your entire project is in a directory with a meaningful name. Within this directory make sure you have separate directories for any images and CSS that you use.
5. Ensure that your HTML and CSS are readable. Feel free to use tools such as [Beautify](#). Also, make sure that you use class and id attributes with descriptive values assigned.

Compulsory Task 1

Note: Feel free to reuse any work you have already done for this project.

Your online store is required to implement the following:

- Create a homepage which acts as the landing page for your store.
- Create at least 2 other pages (this could include pages such as “about us”, “meet the team”, “shipping details”, etc).
- Additionally, your site must have a catalogue page which lists the items which are for sale.
- Your catalogue page should have at least 5 items for sale (include some details of the item).
- Clicking on an item should allow the user to see more details about the item, such as a brief description, specifications and price
- Within the entirety of your site, you should have the following elements:
 - At least 5 images.
 - 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, you can choose).
 - At least one submit button form (possibly to simulate a login - don't worry about the functionality of this yet).
 - At least one radio button form (you could select different kinds of shipping methods to your location).
 - At least one quote/testimonial (this could be from a previous customer or a review).
 - At least 2 blocks (i.e text with a background).
- **Note:** Feel free to reuse any HTML that you have created earlier in this Bootcamp.

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 centre.
 - 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.
- **Note:** *Feel free to use Bootstrap but ensure that you also create your own CSS rules. Ensure that you at least have your own external stylesheet that implements some of the criteria listed above.*

Before you submit

Make sure you read through the section “Before you begin” in this task again. Have you followed all the guidelines there? Remember that you want this project not only to showcase what you can do but also that you are able to do so in a professional manner that is in line with industry standards.

Completed the task(s)?

Ask your mentor to review your work!

[Review work](#)

Things to look out for:

1. Make sure that you have installed and set up all programs correctly. You have set up **Dropbox** correctly if you are reading this, but **Visual Studio Code** may not be installed correctly.



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