



TASK

Capstone Project IV: JavaScript Fundamentals

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Introduction

WELCOME TO THE FINAL CAPSTONE PROJECT!

Well done!! This is your last Capstone Project for this level of your bootcamp! In this task, you will be consolidating the knowledge you have learnt and applying it to a real-world application — improving the functionality of the website you created in your previous Capstone Project! You'll be tasked with a set of criteria to meet, and the rest is up to you! Remember, it is worth putting some extra time and effort into this project — it can become part of your developer portfolio.



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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!

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 Capstone Project offers you the means to create projects 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

In the previous Capstone Project that you completed in this bootcamp, you used HTML and SCSS to create a website. The next part of this project will focus on JavaScript — the language that adds the background functionality and animations on all the beautiful websites you see. You'll be tasked with a set of JavaScript requirements to enhance a basic site with certain functionality. Feel free to add any additional functionality. Remember to use this project to really showcase the skills you have acquired so far!

BEFORE YOU BEGIN

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

1. Make sure that you use a good directory structure to organise 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, SCSS and JavaScript that you use.
2. You can also use tools such as Chrome's Developer Console to troubleshoot your code.
3. Add comments to your JavaScript, and be sure to refactor your code. Are you using functions to improve the modularity and readability of your code? Have you given your variables and functions meaningful names? etc.

Compulsory Task

Note: You will be adding functionality to your previous Capstone Project, so be sure to work with the **index.html** page and the other webpages you have already created.

Your website is required to implement the following:

- Within the entirety of your site, you should have the following JavaScript functionality:
 - Create a functional “Save for later” page for your website, where users can earmark articles, images, recipes, etc. in a personal folder to be able to go back and see them later.
 - Each item/recipe/image, etc. must have the option to “Save for later”.
 - When an item is added, an alert should tell the user how many items are in their “Save for later” folder.
 - Create a new HTML page for the “Save for later” section, which allows the user to see what is in their folder.
 - Create a form which allows a user to leave comments.
 - Create forms to allow a user to “like” an item/article/etc.
 - Create forms for if a person would like to contact you.
 - Within the entirety of your site, you should have at least the following jQuery functionality:
 - A function which contains hiding/showing.
 - A drop-down menu.
 - Animation effects.
 - A function with chained effects.



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