

Web Based Application with GitHub Copilot

Prompt 1: create a javascript web based boilerplate application with html and css

Response: Click the Create Workspace blue button

You will be sent back to the OS and it's file system to choose a parent folder

At some point you will be able to open the project folder in VS Code

This next prompt will create a few menu items based on a weight loss competition which we have at our office around Christmas time.

Prompt 2: create a menu, five links, home, add weight, show weights, admin and login

Response: varies, but most of you will get a menu at the top of the home page with bullet points. If that is the case prompt based on the feedback you get, in my case I came up with the prompt below.

Prompt 3: the menu items all have bullet points, can you make the menu items horizontal with about 10 pixels between each menu item, remove the bullet points and make the colour of each prompt orange and bold.

Response: Looks much better but it needs cleaning up

Prompt 4: move the entire menu bar down about 20 pixels and center the entire menu block. Make some room below the menu bar also about 20 pixels

Response: it changed the CSS file a bit

Note: for the next prompt, choose any website you wish

Prompt 5: change the theme of the website, follow the theme in this website:

<https://www.skillsoft.com/>

Response: my site now looks like the one above

Prompt 6: add individual html web pages for each of the menu items. For the login html, add a form where we will use the user's name and password to login

Response: I now have an application folder with five html pages, one JS and one CSS files.

Cleanup

At this point do any clean up you think necessary such as changing the copyright date, make a folder for the JS file and remove the package.json file.

1. update the copyright date to 2025 on all html files

If you have the ability to change to Agent mode, the prompt above will be applied to all files. If you do not have Agent mode, you will have to change the dates one file at a time.

2. add a folder called JavaScript and put all JavaScript files in that folder and update all links

Again if you have Agent mode, this will be done automatically and you will get an update on what was done.

You can remove the package.json file manually and then test the website again.

Your prompt 7 will depend on what your login page looks like, in my case the Login button does not match the rest of the site.

Prompt 7: Change the color of the Login button on the login.html page to follow the theme of the rest of the web page.

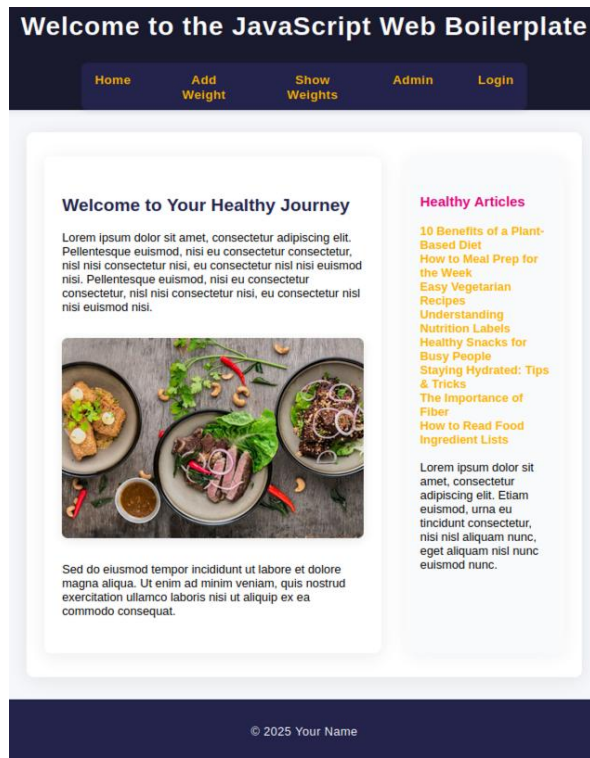
Response: my login button is now a dark yellow to match the menu text color

Prompt 8: Add an appropriate title above the login form.

Response: I now have a Please Log In prompt above the form

Prompt 9: Help me create a basic design of the homepage. I want two columns with a 70/30 split. The 70% will have lorem ipsum text to fill the page with one image that shows a vegetarian meal. The 30% will also have lorem ipsum text but add about 8 links to healthy articles. Do not use copyrighted images.

Response:



At this point, you can prompt to improve the look and feel of the page itself. In my case I will change the color of the Healthy Articles to match the Welcome heading, change the colour of each link and also add some vertical spacing between each link.

Here are some of the prompts I passed to Copilot:

change the color of the Healthy Articles to be the same as the main page (this prompt gave me an underline and blue font so I did not accept it)

change the color of the links in the Healthy Articles section to black

change the color of the links in the Healthy Articles section to be the same as the main page

reduce the font size of the links by about 20%

add vertical spacing between each Healthy Article link, at least 10 pixels between each link

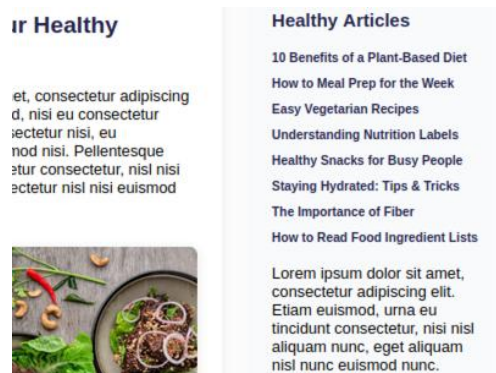
Use Agent mode for the next prompt

Prompt 10: make all the web pages more responsive and increase the width of each page by about 20% so that the article links do not wrap

Response: the above prompt did not work well, try to tweak the prompt until you get the desired result. For example you can pass a different prompt: the links in the Healthy ARticles still wrap, i want each link to be on its own separate line.

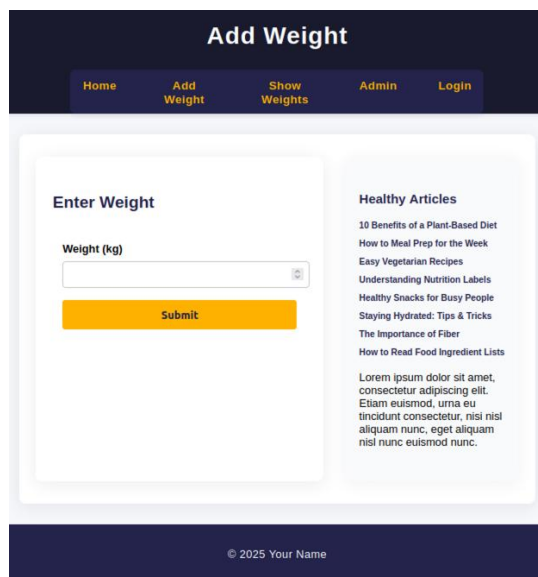
The above still did not work well, the articles still wrapped, so I sent a more aggressive prompt: that did no work, the links still wrap

Finally it worked for me:



For the next few prompts we will work on each individual web page

Prompt 11: I want the same layout on the home page on the add-weight page also but the first column will have just a form with just one form field for the weight which is a numeric value. the Healthy articles carry over into this page. the form will have a title of Enter Weight



At this point in the development phase we probably need some type of banner for all pages. At the moment, the name of the page shows up at the very top of each document.

Prompt 12: create a banner for the entire website that will replace the name of each page. the banner must have the words Weight Loss Competition. add an image in the top right corner of a dumbbell. do not use copyrighted images

Response: the banner looks good but I do not see an image

Prompt 13: the show-weights.html page will have a list of the latest 10 weights entered by a user ordered by latest date. add a list of 10 consecutive dates along with weights of between 60 and 70 kilograms with one decimal point.

[Home](#)[Add
Weight](#)[Show
Weights](#)[Admin](#)[Login](#)

Latest Weights

Date	Weight (kg)
2025-05-27	69.8
2025-05-26	68.7
2025-05-25	67.9
2025-05-24	67.2
2025-05-23	66.5
2025-05-22	65.8
2025-05-21	65.1
2025-05-20	63.9
2025-05-19	62.7
2025-05-18	61.3

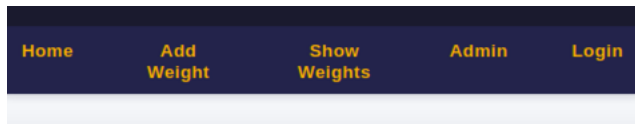
Healthy Articles

10 Benefits of a Plant-Based Diet
How to Meal Prep for the Week
Easy Vegetarian Recipes
Understanding Nutrition Labels
Healthy Snacks for Busy People
Staying Hydrated: Tips & Tricks
The Importance of Fiber
How to Read Food Ingredient Lists

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The next prompt will handle validation. You will have to update two files for this one.

Prompt 14: add validation to the login.html page, the user name cannot have numbers in it, must be between 2 and 20 characters. the password must be at least 4 characters long. Put all scripts in the JavaScript file.



Please Log In

Username

Password

Login

Username must be 2-20 letters and contain no numbers.

This final prompt is not supposed to do anything to the site so far, it is just for feedback about Search Engine Optimization.

Prompt 15: How can you help in terms of search engine optimization

Response:

I can help you improve your website's search engine optimization (SEO) by suggesting and implementing best practices such as:

- **Adding meta tags**: Title, description, and keywords for each page.
- **Using semantic HTML**: Proper use of headings (`<h1>`, `<h2>`, etc.), lists, and alt attributes for images.
- **Improving accessibility**: ARIA labels, alt text, and keyboard navigation.
- **Optimizing page speed**: Minifying CSS/JS, optimizing images, and using efficient code.
- **Creating a sitemap**: For better indexing by search engines.
- **Adding structured data**: Using JSON-LD or microdata for rich results.
- **Improving internal linking**: Ensuring all pages are easily navigable.
- **Mobile responsiveness**: Making sure your site looks good on all devices.

Let me know which areas you want to focus on, and I can provide code examples or make changes directly!