

First Web Site

(using Visual Studio Code for Client Side Programming)

Contents

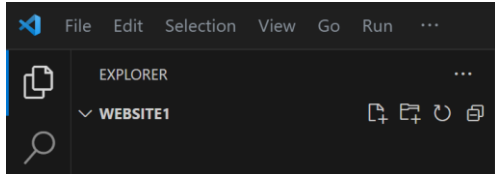
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1. Overview

This document assumes that you have already installed Visual Studio code with the Live Preview Extension, as described in another document. In this document, we create a new web site and run it locally.

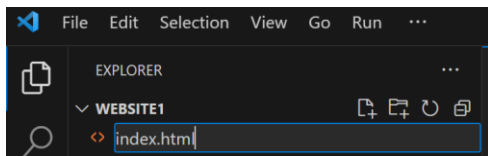
2. Create a New Project

- To create a new web site (when no web site is currently open), click on menu item “File – Open Folder”. Then browse around until you find a new empty folder (which you might create while browsing). Then click on the Select button.
- After selecting a new empty folder named “webSite1”, VS Code looked like this (you only see the icons to the right of WEBSITE1 when you hover over WEBSITE1:



3. Add an HTML File (index.html)

Right click on WEBSITE1 and select “New File”. Then type in “index.html” as the name of your new file. This is the customary (and default) name for the home page of any folder.



- In the right editor pane, paste in some simple HTML code such as what’s shown below:

```
<!DOCTYPE html>
<html>
<head>
  <title>[Title of YOUR web site]</title>

  <!-- this is your internal style sheet (an HTML comment) -->
  <style> /* You can only use the "slash star ... star slash" style comment inside a style sheet */
    html, { /* Prevent tiny white border inside browser window. */
      margin: 0rem;
      padding: 0rem;

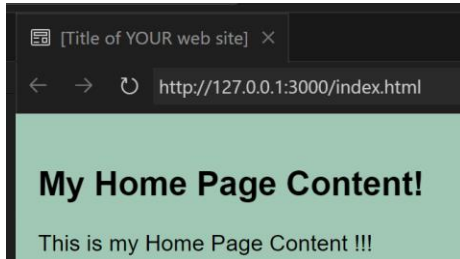
      background-color: rgb(160, 200, 180); /* turquoise: red, green, blue (255 is max) */
      color: black; /* color of font */
      font-family: sans-serif; /* "no tail" font is more readable for small font */
    }
    #content {
      padding: 1rem;
    }
  </style>
</head>
<body>
  <div id="content">
    <h2>My Home Page Content</h2>

    <p>
      This is my Home Page Content
    </p>

  </div> <!-- content. [[Keep track of nesting]] -->
</body>
</html>
```

4. Render the Web Page in Live Preview

- Click on “File – Save” from the menu.
- Right click on index.html and select “Show Preview”.
 - (If you don’t see “Show Preview” as a choice, then you probably did not properly install “Live Preview” as a VS Code extension (as described in the VS Code installation document).
- This should cause the Live Preview pane to open up to the right. If you make a change in your code you should see it right away in the Live Preview pane. For example, I added an exclamation point after “My Home Page Content” and I see this in the Live Preview pane.



5. Render the Web Page in Chrome

The Live Preview pane is good for basic things, but sometimes we’ll want to actually render our page in a browser. This enables us to use Chrome developer tools that are helpful for CSS debugging and (later) JavaScript debugging. To run your page in Chrome:

- Copy the URL from the top of the Live Preview pane, open up a new Chrome tab, and paste the URL into Chrome’s address bar. You’ll see something like what’s shown below on the left.
- Open up Chrome’s developer tools by typing Ctrl- Shift-J (in windows) or **Option + ⌘ + J** on a MAC. Click on Elements and you’ll see helpful info about your styling (shown below, right).

