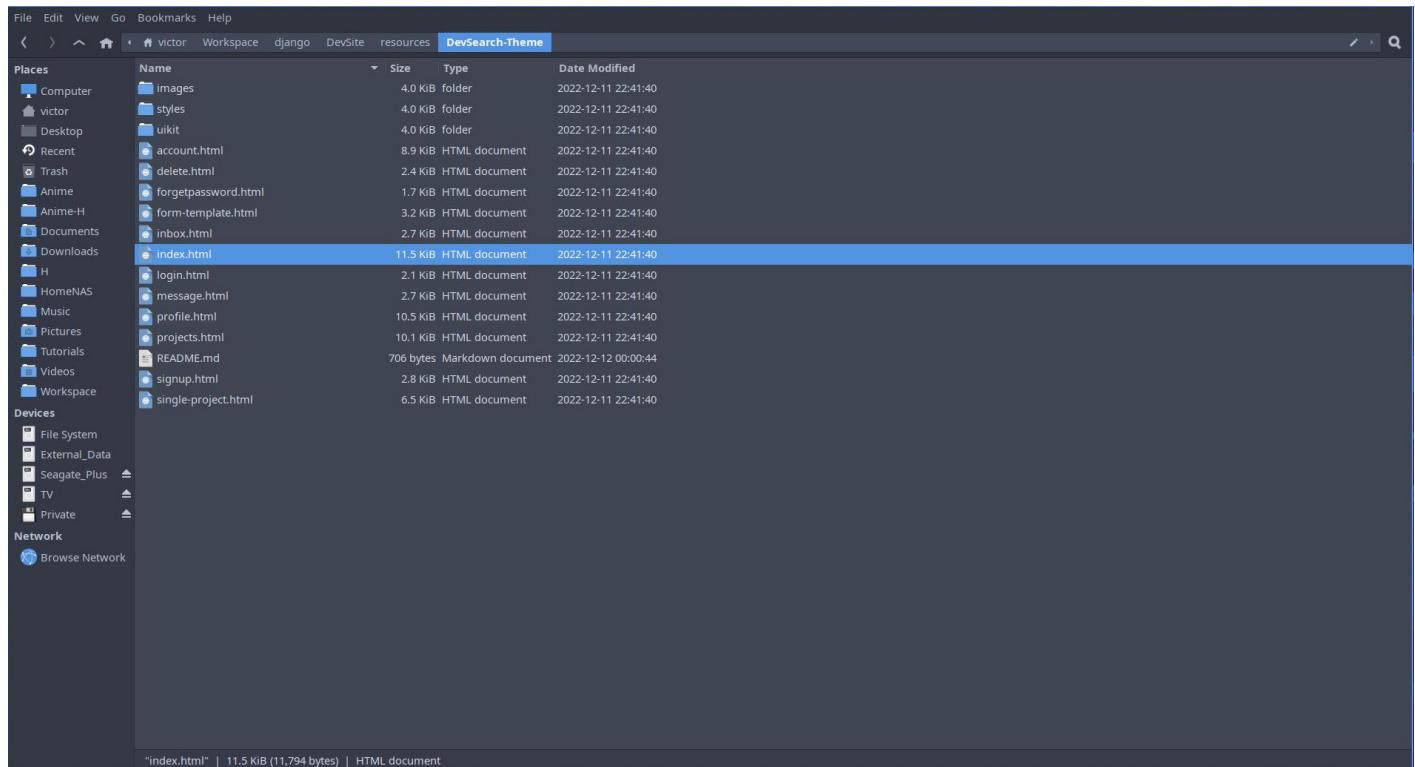


Installing a Theme to Django

In this section we're going to be focusing on installing a theme for our website.

In most cases, we don't design the style on the look of the website itself. What we generally do, is use a pre-designed site (either by buying the design, using an open source and freely available page style such as bootstrap).

In our resource folder, we have a pre-designed site. Each of the templates correspond to a single element of the website:



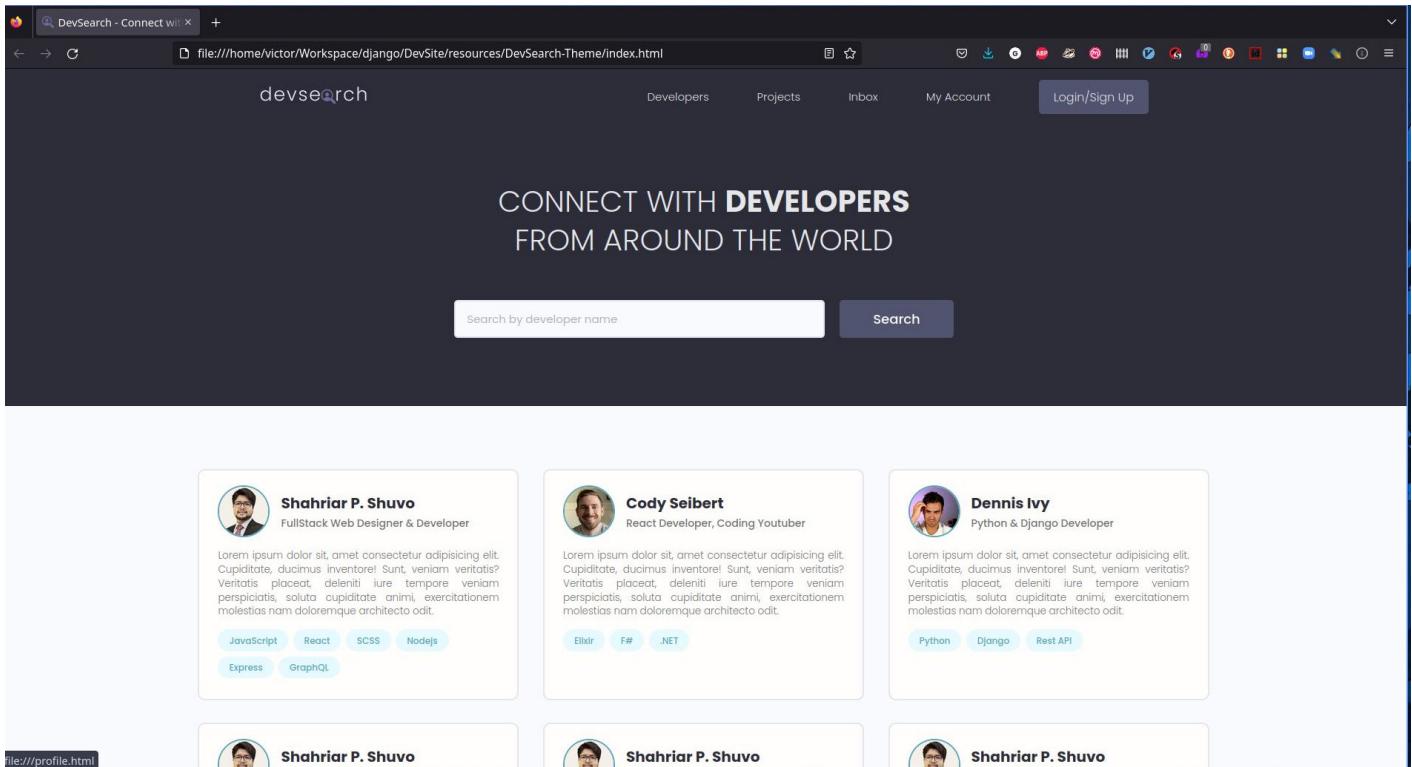
The screenshot shows a file explorer window with a dark theme. The left sidebar has sections for Places (Computer, Desktop, Recent, Trash, Anime, Documents, Downloads, HomeNAS, Music, Pictures, Tutorials, Videos, Workspace), Devices (File System, External_Data, Seagate_Plus, TV, Private), and Network (Browse Network). The main area shows a list of files and folders under the 'resources' folder. The 'DevSearch-Theme' tab is selected at the top. The list includes:

Name	Type	Date Modified
images	4.0 KiB folder	2022-12-11 22:41:40
styles	4.0 KiB folder	2022-12-11 22:41:40
uikit	4.0 KiB folder	2022-12-11 22:41:40
account.html	8.9 KiB HTML document	2022-12-11 22:41:40
delete.html	2.4 KiB HTML document	2022-12-11 22:41:40
forgetpassword.html	1.7 KiB HTML document	2022-12-11 22:41:40
form-template.html	3.2 KiB HTML document	2022-12-11 22:41:40
inbox.html	2.7 KiB HTML document	2022-12-11 22:41:40
index.html	11.5 KiB HTML document	2022-12-11 22:41:40
login.html	2.1 KiB HTML document	2022-12-11 22:41:40
message.html	2.7 KiB HTML document	2022-12-11 22:41:40
profile.html	10.5 KiB HTML document	2022-12-11 22:41:40
projects.html	10.1 KiB HTML document	2022-12-11 22:41:40
README.md	706 bytes Markdown document	2022-12-12 00:00:44
signup.html	2.8 KiB HTML document	2022-12-11 22:41:40
single-project.html	6.5 KiB HTML document	2022-12-11 22:41:40

At the bottom, it says "index.html" | 11.5 KiB (11,794 bytes) | HTML document.

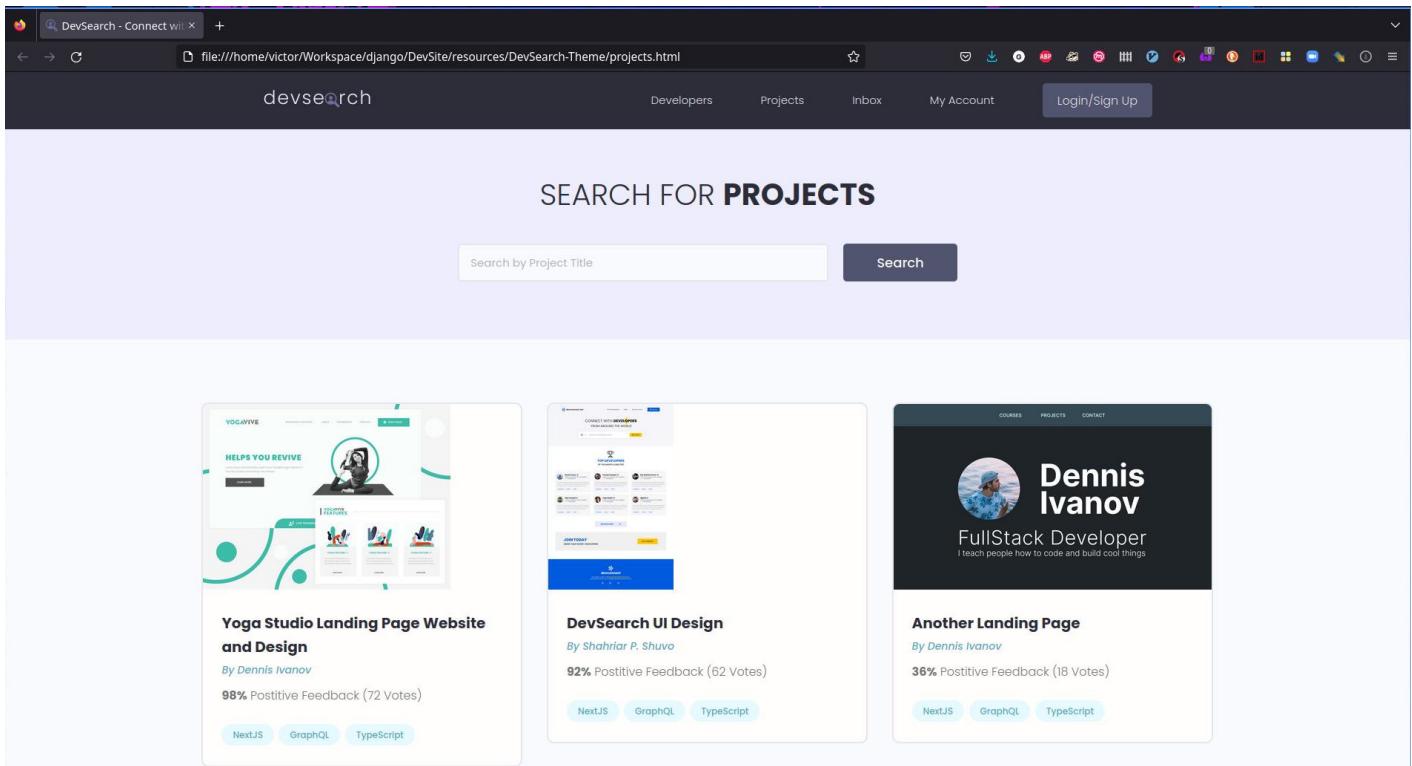
In particular during this initial phase, we'll be adapting the `index.html` file to our site.

If you open up the `index.html` you'll see a *static* webpage:



This is how the website should look like when everything is finish and done.

Since our main page is, for the moment, the **projects** page, we'll begin by modifying the **projects.html** template, that should look like:



and continue our progression as we set up all the remaining elements in our website.

Some important files to consider:

1. The styling for the website is in ***/resources/DevSearch-Theme/styling/app.css*** file
2. The static images that the website uses, in ***/resources/DevSearch-Theme/images***
3. The UIKit package contained in ***/resources/DevSearch-Theme/uikit*** folder

The UIKit contains all the UI elements in the webpages: buttons, burger menus, user avatar, editable forms, tags, grid layouts, etc.

If you open ***/resources/DevSearch-Theme/uikit/index.html*** you'll be able to see all the UI elements available for the theme:

The screenshot shows a browser window titled "Mumble UI" displaying a page from "DevSearch-Theme/uikit/index.html". The page is titled "Font Sizes" and contains a list of heading sizes from H1 to H6, Paragraph text, Span Tag, and Strong tag, each with its corresponding pixel value. A code block at the bottom shows the HTML and CSS for these elements.

Font Sizes

Preset settings for default font sizes. Sizes are set in pixels at the moment but will be modified to use rem. Default font family is: "Poppins" and for the monospace font it's "Fira Code".

Heading H1 (48px)

Heading H2 (36px)

Heading H3 (32px)

Heading H4 (28px)

Heading H5 (24px)

Heading H6 (18px)

Paragraph text (16px)

Span Tag (16px)

Strong tag (16px)

```
<h1>Heading H1 (48px)</h1>
<h2>Heading H2 (36px)</h2>
<h3>Heading H3 (32px)</h3>
<h4>Heading H4 (28px)</h4>
<h5>Heading H5 (24px)</h5>
<h6>Heading H6 (18px)</h6>
<p>Paragraph text (16px)</p>
<span>Span Tag (16px)</span>
<strong>Strong tag (16px)</strong>
```

The screenshot shows a browser window titled "Mumble UI" displaying a page from "DevSearch-Theme/uikit/index.html". The page is titled "Buttons" and shows examples of different button styles (Main, Sub, Default) and sizes (Small, Large). A code block at the bottom shows the HTML and CSS for these buttons.

Buttons

Choose between two styles, three variants and three sizes buttons by using the "btn" class with additional settings. "btn" should be using with all buttons followed by the button style (Filled or outlined). Setting a size is optional.

Button Main **Button Sub** **Button Default**

Button Main Outline **Button Sub Outline**

Button Small **Button Large**

```
<button class="btn btn--main">Button Main</button>
<button class="btn btn--sub">Button Sub</button>
<button class="btn">Button Default</button>

<button class="btn btn--main--outline">Button Main Outline</button>
<button class="btn btn--sub--outline">Button Sub Outline</button>

<button class="btn btn--main btn--sm">Button Small</button>
<button class="btn btn--sub btn--lg">Button Large</button>
```

Tag

To use the tag styling use the "<small>" tag inside of a div and give it the class of "tag."

```
<span class="tag">
  <small>This is a tag</small>
</span>

<span class="tag tag--outline">
  <small>This is a tag</small>
</span>
```

Card

Choose between 2 card styles. Each card showed contain the class of "card". By default the "card" class will give you a light themed card, to choose style to add a second class "card-dark"

Card Title

Some quick example text to build on the card title and make up the bulk of the card's content.

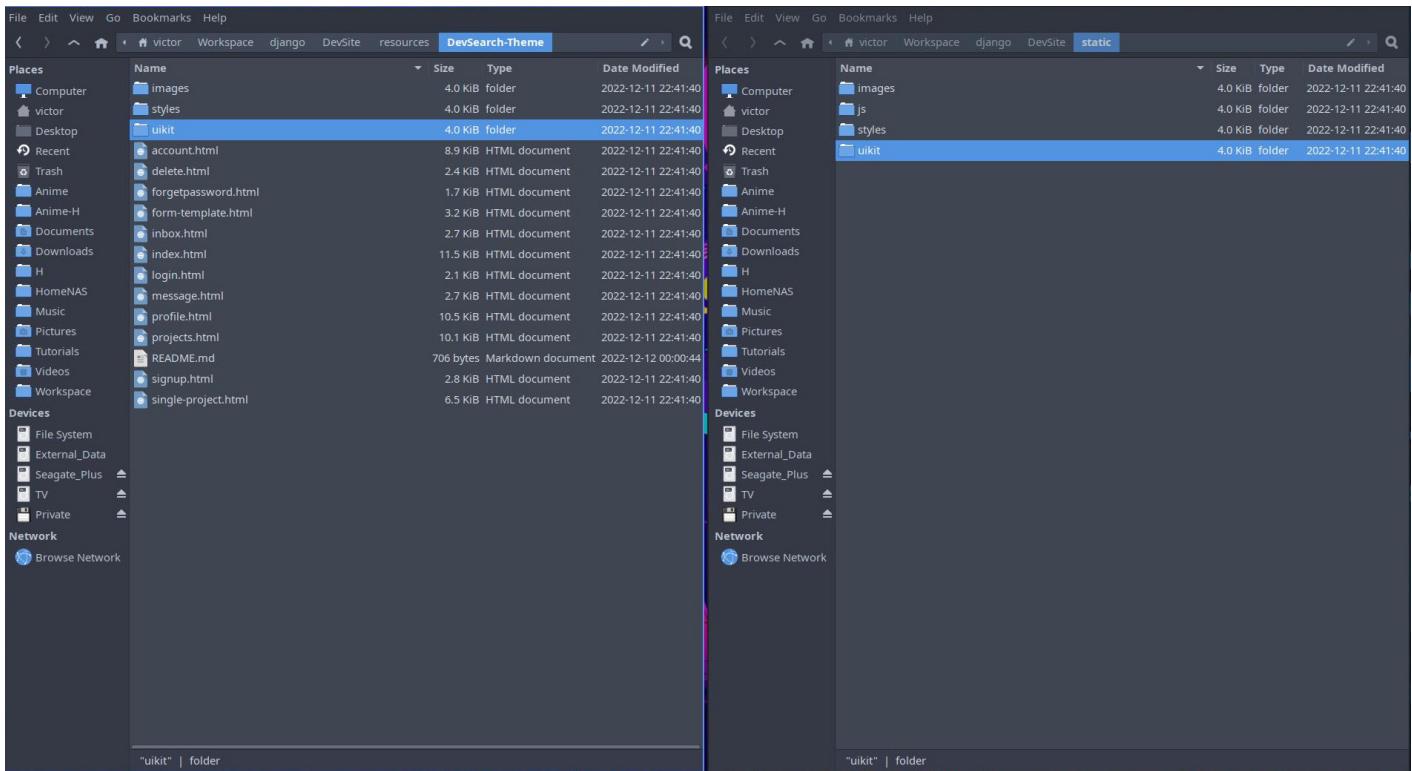
Card Dark Title

Some quick example text to build on the card title and make up the bulk of the card's content.

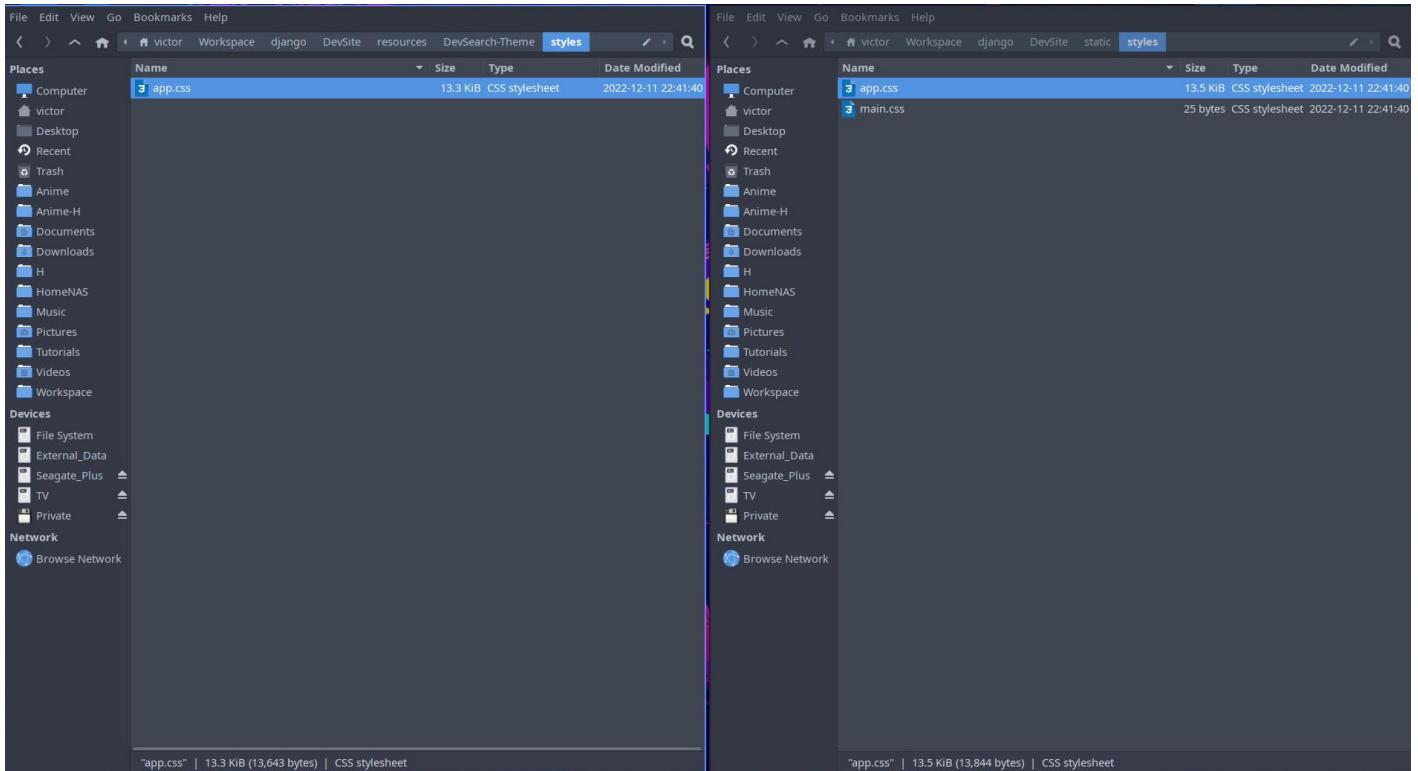
```
<div class="card" style="width: 320px">
  <div class="card__body">
```

Copying the Resource Elements to Our Project

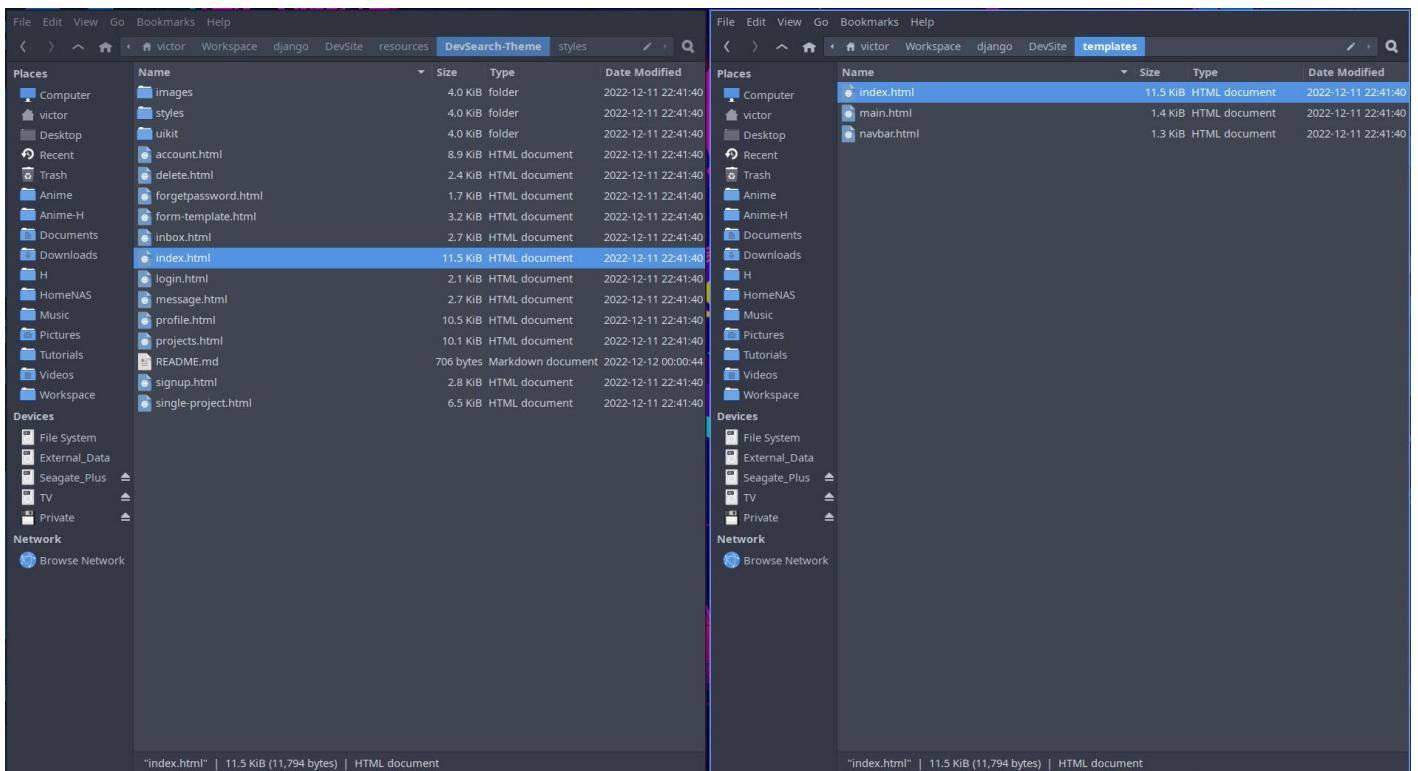
1. Copy the uikit folder to our static folder:



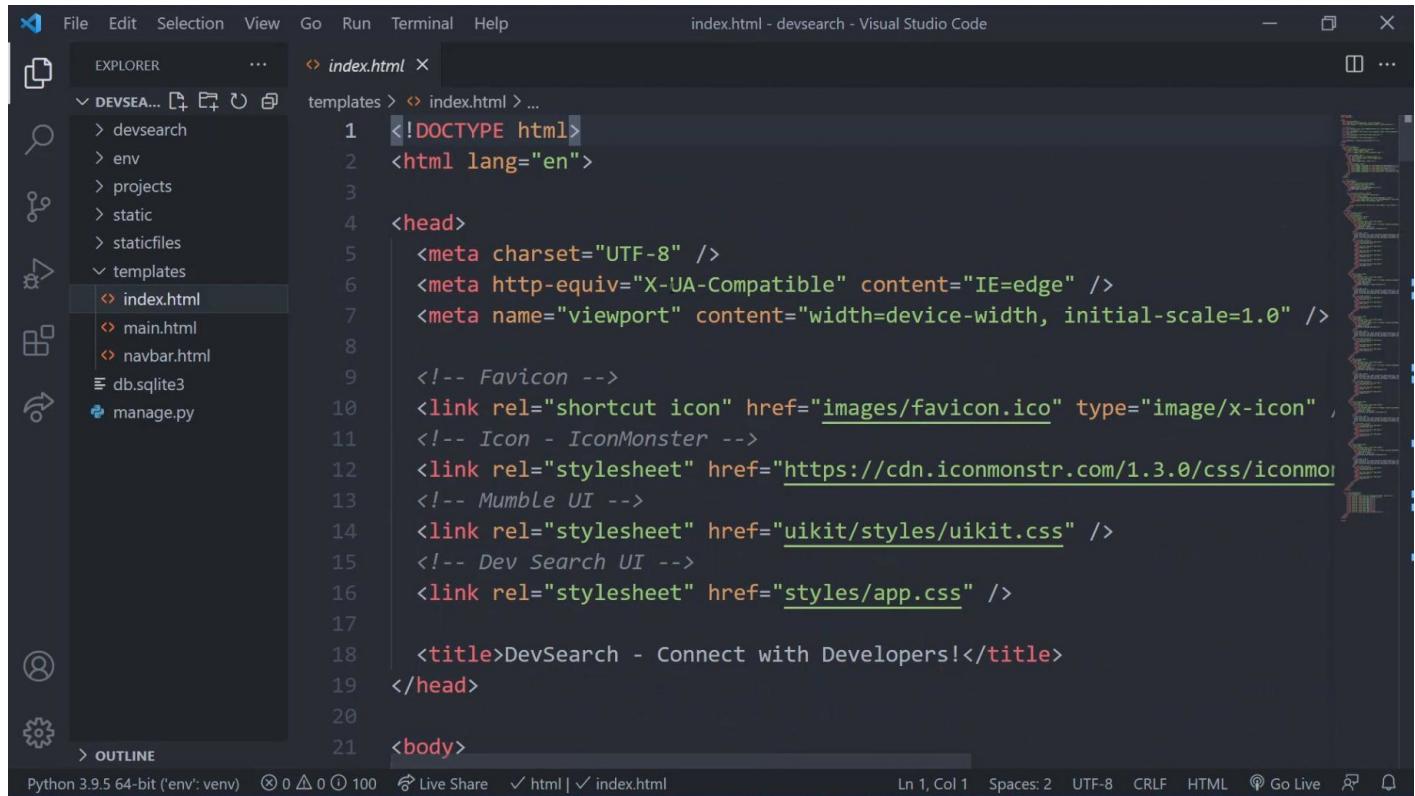
2. Copy the `/resources/DevSearch-Theme/styles/app.css` to `/static/styles/app.css`



3. Copy the `/resources/DevSearch-Theme/index.html` to `/templates/index.html`



So, when you open your project in visual studio code you'll see



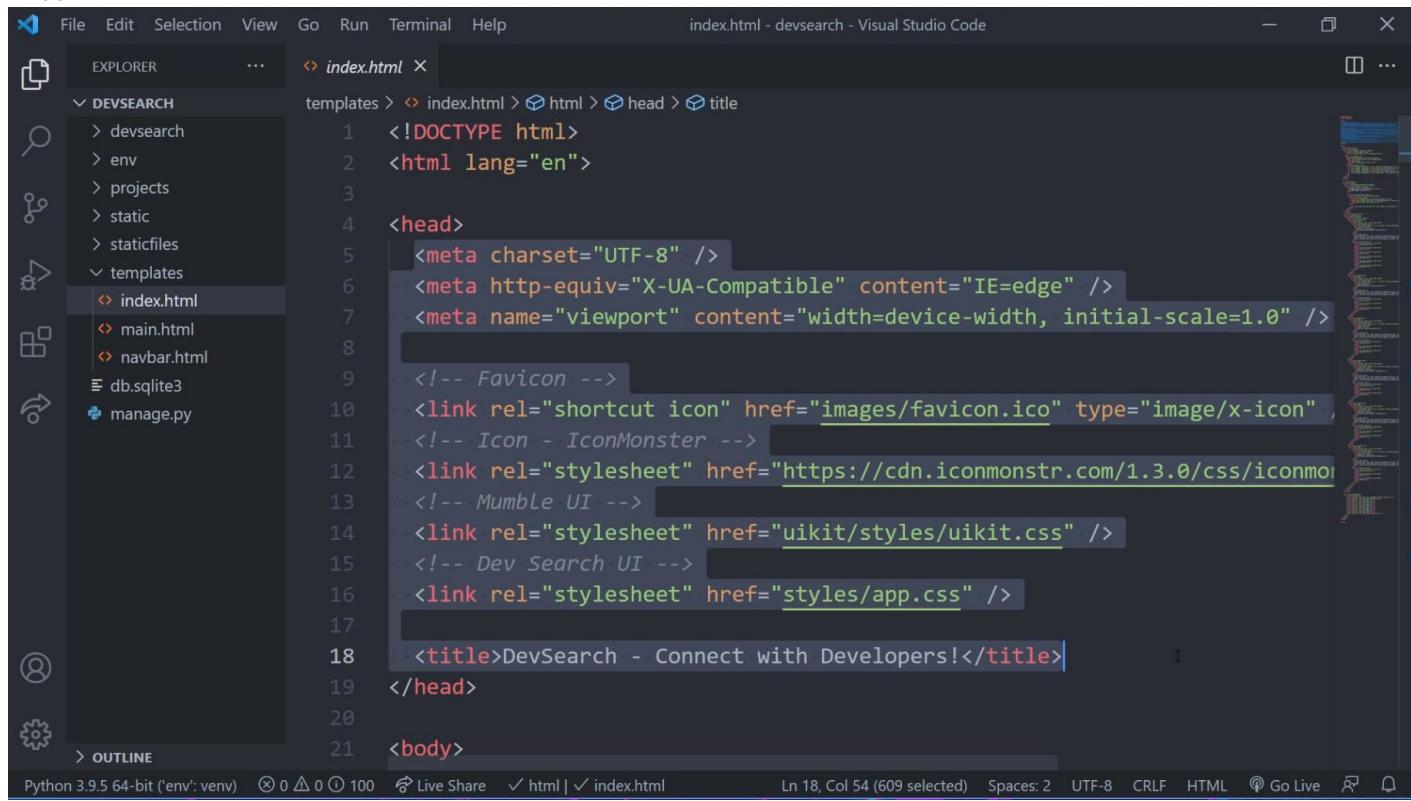
```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=edge" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<!-- Favicon -->
<link rel="shortcut icon" href="images/favicon.ico" type="image/x-icon" />
<!-- Icon - IconMonster -->
<link rel="stylesheet" href="https://cdn.iconmonstr.com/1.3.0/css/iconmonstr.css" />
<!-- Mumble UI -->
<link rel="stylesheet" href="uikit/styles/uikit.css" />
<!-- Dev Search UI -->
<link rel="stylesheet" href="styles/app.css" />
<title>DevSearch - Connect with Developers!</title>
</head>
<body>
```

Follow These Next Instructions with Care (They May Be A Little Confusing)

We are going to modify our **main.html** template using elements from **index.html**. We'll need only few parts. This is what may be difficult to follow as it requires a little bit of attention to detail.

First, apply the styling from **index.html** to **main.html**. Copy the content inside the `<head> ... </head>` tag in **index.html** and replace the content between `<head> ... </head>` tag in **main.html** with the copied elements.

Copy this content from ***index.html***



The screenshot shows the Visual Studio Code interface with the file `index.html` open. The code editor displays the following HTML and CSS content:

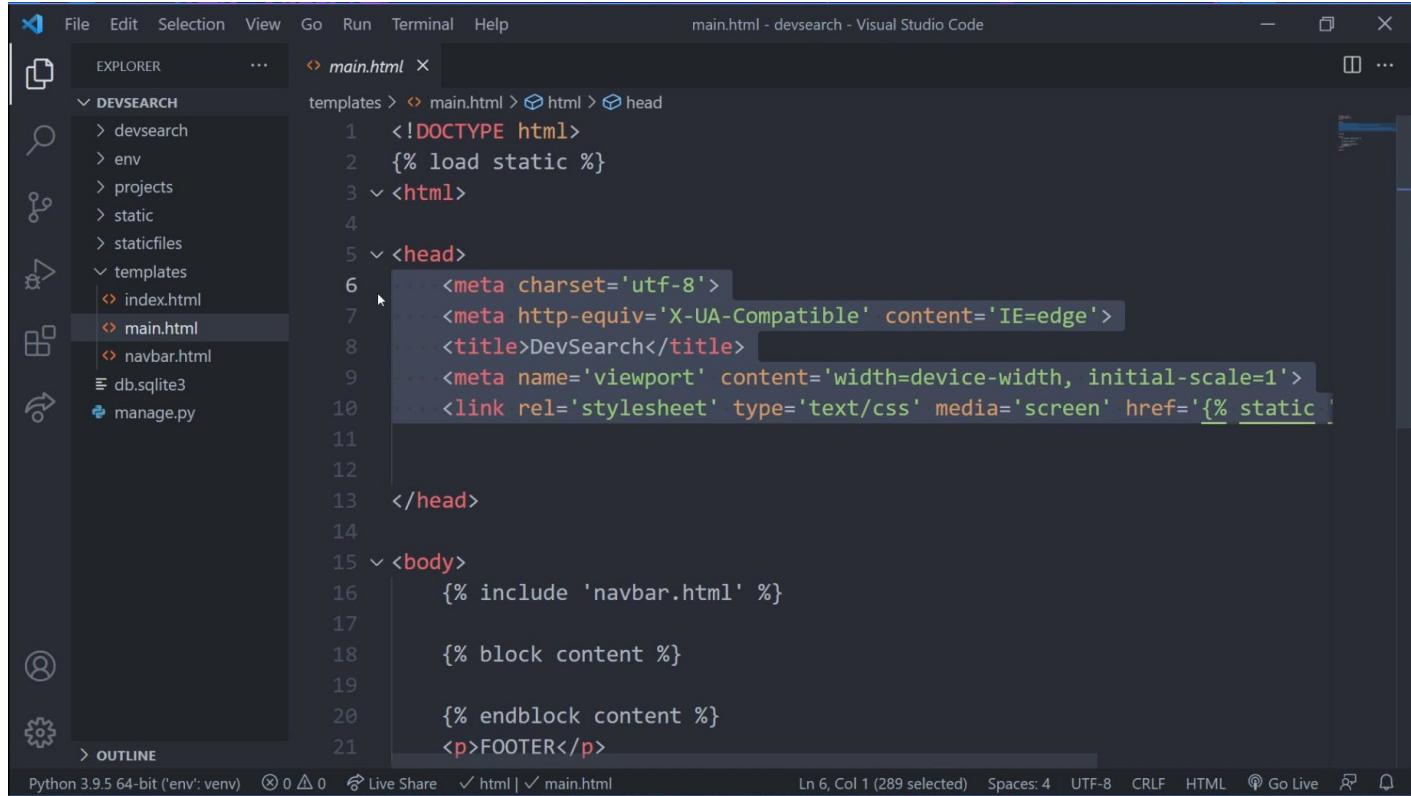
```

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <!-- Favicon -->
    <link rel="shortcut icon" href="images/favicon.ico" type="image/x-icon" />
    <!-- Icon - IconMonster -->
    <link rel="stylesheet" href="https://cdn.iconmonstr.com/1.3.0/css/iconmonstr.css" />
    <!-- Mumble UI -->
    <link rel="stylesheet" href="uikit/styles/uikit.css" />
    <!-- Dev Search UI -->
    <link rel="stylesheet" href="styles/app.css" />
  </head>
  <body>
    <title>DevSearch - Connect with Developers!</title>
  </body>

```

The file path is shown as `templates > index.html`. The code editor has syntax highlighting for HTML and CSS. The status bar at the bottom shows Python 3.9.5 64-bit ('env': venv) and other development details.

and replace the following content in ***main.html***



The screenshot shows the Visual Studio Code interface with the file `main.html` open. The code editor displays the following HTML and Jinja2 template content:

```

<!DOCTYPE html>
{% load static %}
<html>
  <head>
    <meta charset='utf-8'>
    <meta http-equiv='X-UA-Compatible' content='IE=edge'>
    <title>DevSearch</title>
    <meta name='viewport' content='width=device-width, initial-scale=1'>
    <link rel='stylesheet' type='text/css' media='screen' href='{{ static('css/app.css') }}' />
  </head>
  <body>
    {% include 'navbar.html' %}

    {% block content %}

    {% endblock content %}
    <p>FOOTER</p>
  </body>

```

The file path is shown as `templates > main.html`. The code editor has syntax highlighting for HTML and Jinja2. The status bar at the bottom shows Python 3.9.5 64-bit ('env': venv) and other development details.

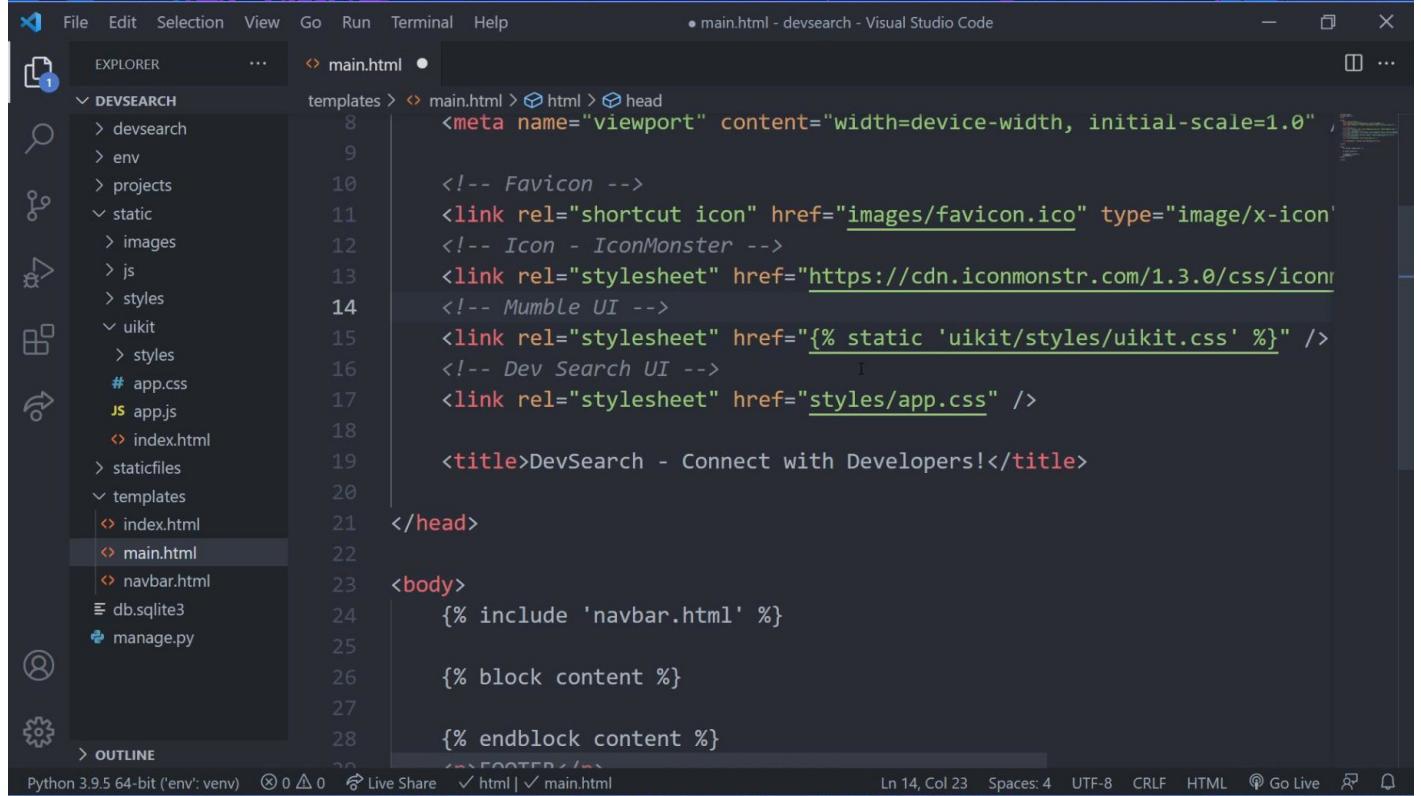
Second, we need to connect the styling defined in the UIKit to our templates. We're going to change the hard-coded references in the stylesheets for the uikit and app.css to dynamic redirections.

Make sure that all the files we modify have

```
<!DOCTYPE html>
{% load static %}
```

at the top of the file. Otherwise, we'll have errors at page loading time.

Change the uikit reference:



```
File Edit Selection View Go Run Terminal Help • main.html - devsearch - Visual Studio Code
EXPLORER main.html
DEVSERACH
devsearch
env
projects
static
images
js
styles
uikit
app.css
app.js
index.html
staticfiles
templates
index.html
main.html
navbar.html
db.sqlite3
manage.py
OUTLINE
main.html - 1
templates > main.html > html > head
8   <meta name="viewport" content="width=device-width, initial-scale=1.0" ,
9
10  <!-- Favicon -->
11  <link rel="shortcut icon" href="images/favicon.ico" type="image/x-icon" ,
12  <!-- Icon - IconMonster -->
13  <link rel="stylesheet" href="https://cdn.iconmonstr.com/1.3.0/css/iconr
14  <!-- Mumble UI -->
15  <link rel="stylesheet" href="{% static 'uikit/styles/uikit.css' %}" />
16  <!-- Dev Search UI -->
17  <link rel="stylesheet" href="styles/app.css" />
18
19  <title>DevSearch - Connect with Developers!</title>
20
21  </head>
22
23  <body>
24    {% include 'navbar.html' %}
25
26    {% block content %}
27
28    {% endblock content %}
```

Python 3.9.5 64-bit ('env': venv) ⚡ 0 △ 0 Live Share ✓ html | ✓ main.html Ln 14, Col 23 Spaces: 4 UTF-8 CRLF HTML ⌂ Go Live ⌂

Reload your projects page and you should see some small styling changes to the page:

Project	Positive Votes	Votes	
Ecommerce Website	30%	12	June 15, 2021, 1:24 p.m. Edit Delete View
Yoga Vive	98%	51	June 16, 2021, 5:14 p.m. Edit Delete View
Code Sniper	75%	80	June 16, 2021, 5:14 p.m. Edit Delete View
Portfolio Website	65%	6	June 16, 2021, 5:15 p.m. Edit Delete View
Mumble Social Network	89%	74	June 16, 2021, 5:15 p.m. Edit Delete View

FOOTER

This is applying all the styles included in the uikit.css that we copied to the project's static folder.

Apply the same changes to the app.css reference:

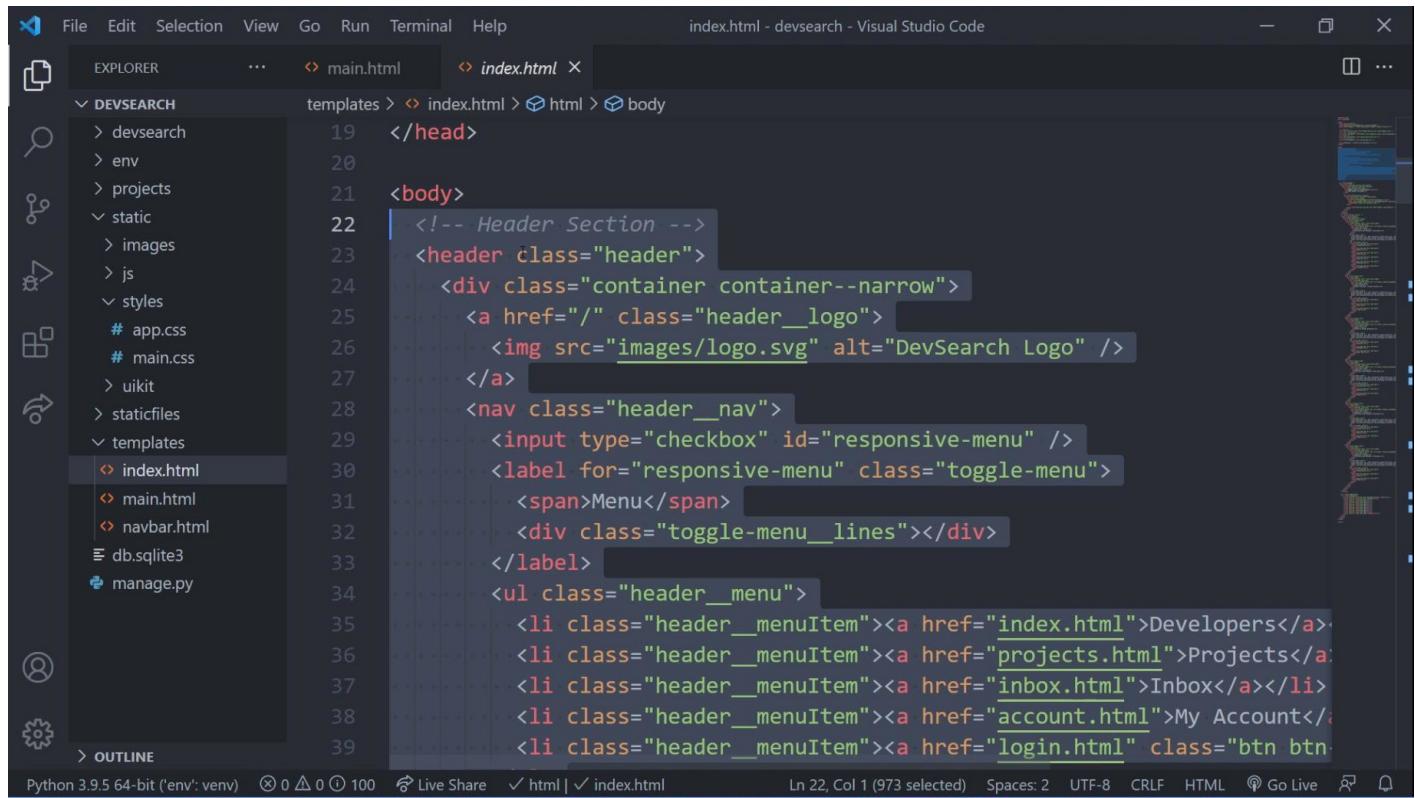
```

File Edit Selection View Go Run Terminal Help
main.html - devsearch - Visual Studio Code
EXPLORER main.html ...
DEVSEARCH
> devsearch
> env
> projects
> static
> images
> js
> styles
# app.css
# main.css
> uikit
> staticfiles
> templates
index.html
main.html
navbar.html
db.sqlite3
manage.py
main.html
templates > main.html > html > head
8   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
9
10  <!-- Favicon -->
11  <link rel="shortcut icon" href="images/favicon.ico" type="image/x-icon" />
12  <!-- Icon - IcoMonster -->
13  <link rel="stylesheet" href="https://cdn.iconmonstr.com/1.3.0/css/iconmonstr.min.css" />
14  <!-- Mumble UI -->
15  <link rel="stylesheet" href="{% static 'uikit/styles/uikit.css' %}" />
16  <!-- Dev Search UI -->
17  <link rel="stylesheet" href="{% static 'styles/app.css' %}" />
18
19  <title>DevSearch - Connect with Developers!</title>
20
21  </head>
22
23  <body>
24    {% include 'navbar.html' %}
25
26    {% block content %}
27
28    {% endblock content %}

```

Python 3.9.5 64-bit ('env': venv) ⚡ 0 △ 0 🔍 Live Share ✓ html | ✓ main.html Ln 16, Col 27 Spaces: 4 UTF-8 CRLF HTML ⏪ Go Live ⏪ ⏪

Third, let's change the NavBar style. From the **index.html** we'll copy the header section `<header>...</header>` that contains the navbar part:

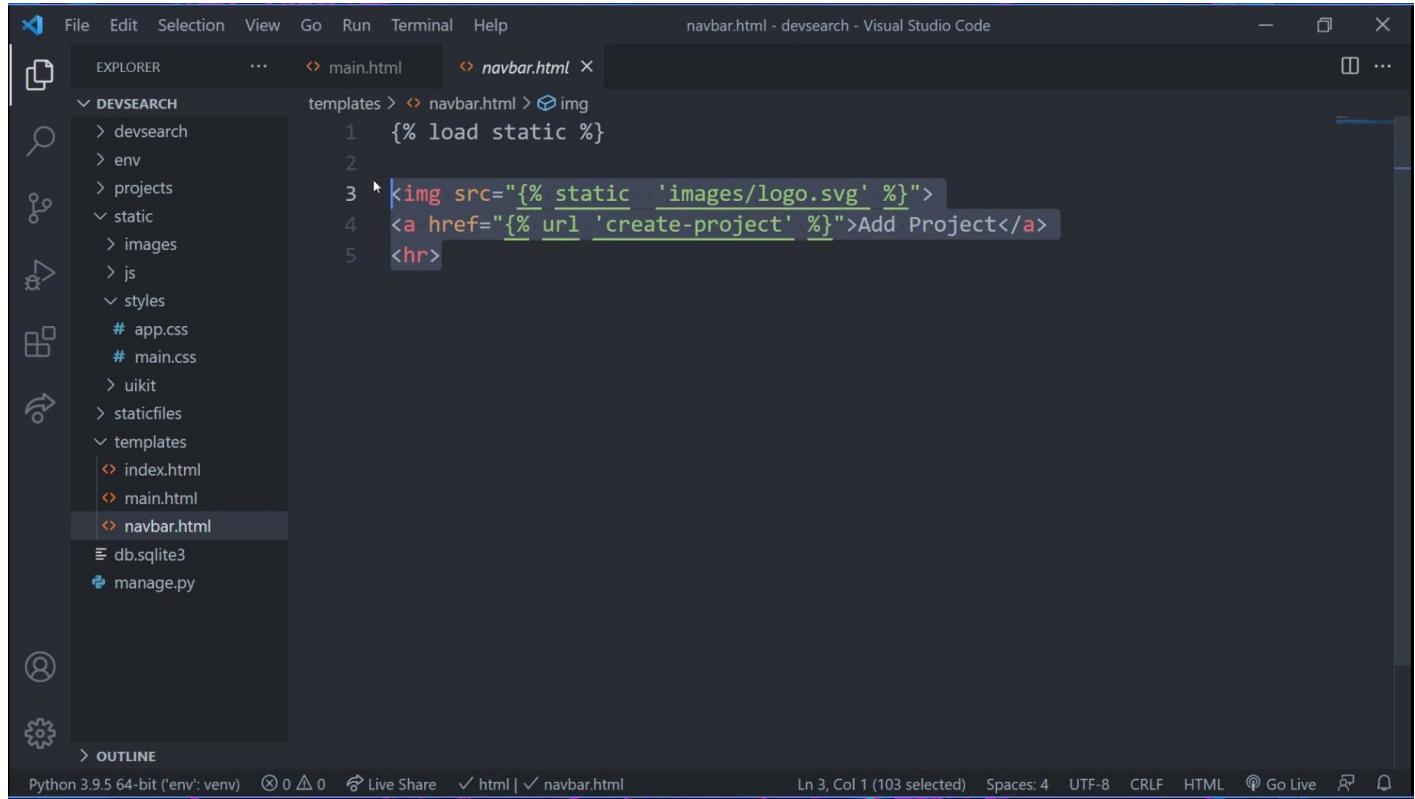


```

<!-- Header Section -->
<header class="header">
  <div class="container container--narrow">
    <a href="/" class="header__logo">
      
    </a>
    <nav class="header__nav">
      <input type="checkbox" id="responsive-menu" />
      <label for="responsive-menu" class="toggle-menu">
        <span>Menu</span>
        <div class="toggle-menu__lines"></div>
      </label>
      <ul class="header__menu">
        <li class="header__menuItem"><a href="index.html">Developers</a></li>
        <li class="header__menuItem"><a href="projects.html">Projects</a></li>
        <li class="header__menuItem"><a href="inbox.html">Inbox</a></li>
        <li class="header__menuItem"><a href="account.html">My Account</a></li>
        <li class="header__menuItem"><a href="login.html" class="btn btn--primary">Login</a></li>
      </ul>
    </nav>
  </div>
</header>

```

and place the section into the **navbar.html** template and replace the code:



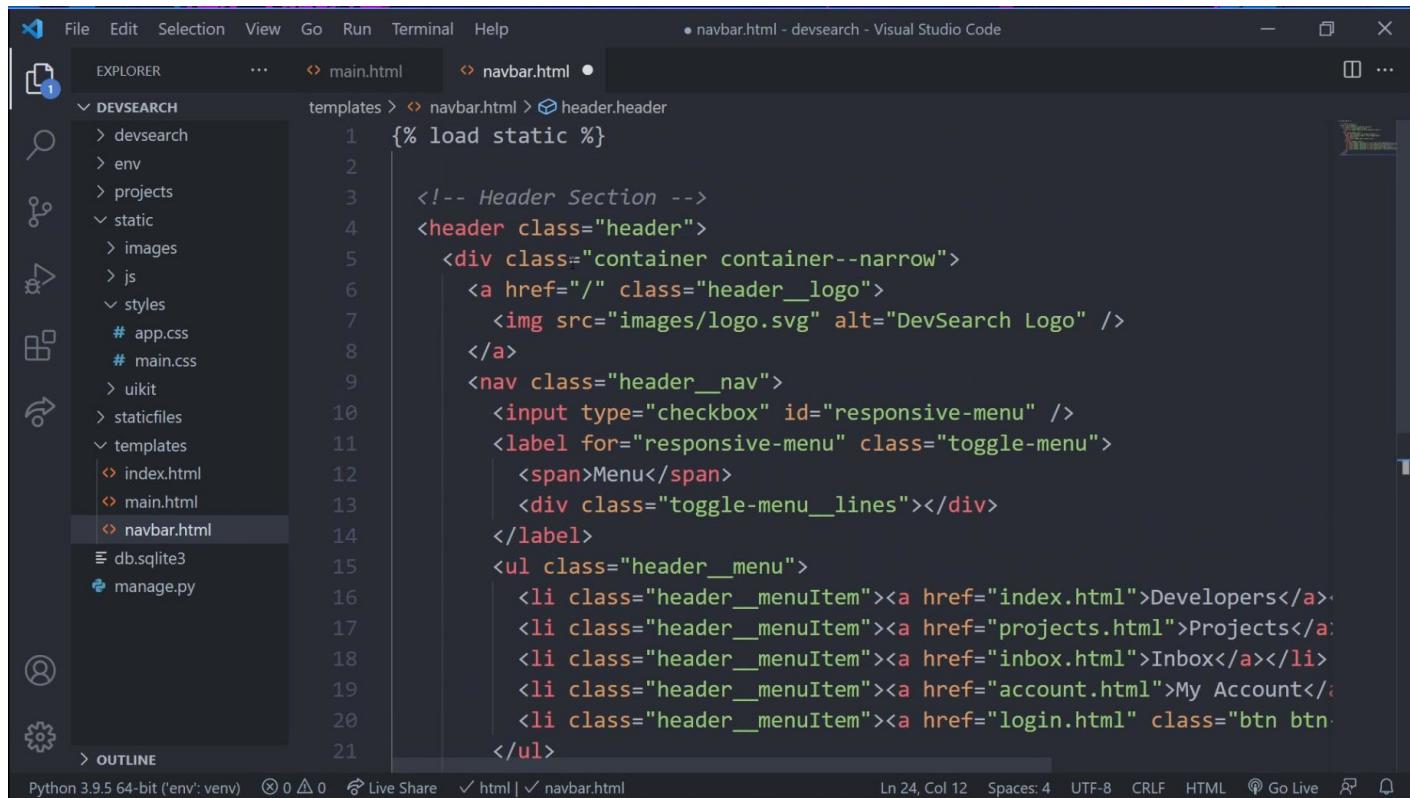
```

<% load static %>

<a href="{% url 'create-project' %}">Add Project</a>
<hr>

```

with the code:



```

File Edit Selection View Go Run Terminal Help
• navbar.html - devsearch - Visual Studio Code
EXPLORER ... main.html navbar.html
DEVSEARCH templates > navbar.html > header.header
1  {% load static %}

2
3  <!-- Header Section -->
4  <header class="header">
5    <div class="container container--narrow">
6      <a href="/" class="header__logo">
7        
8      </a>
9      <nav class="header__nav">
10        <input type="checkbox" id="responsive-menu" />
11        <label for="responsive-menu" class="toggle-menu">
12          <span>Menu</span>
13          <div class="toggle-menu__lines"></div>
14        </label>
15        <ul class="header__menu">
16          <li class="header__menuItem"><a href="index.html">Developers</a></li>
17          <li class="header__menuItem"><a href="projects.html">Projects</a></li>
18          <li class="header__menuItem"><a href="inbox.html">Inbox</a></li>
19          <li class="header__menuItem"><a href="account.html">My Account</a></li>
20          <li class="header__menuItem"><a href="login.html" class="btn btn--primary">Log In</a></li>
21        </ul>

```

Python 3.9.5 64-bit ('env': venv) ⚡ 0 △ 0 🔍 Live Share ✓ html | ✓ navbar.html Ln 24, Col 12 Spaces: 4 UTF-8 CRLF HTML ⏪ Go Live ⏪ 🔔

Now, we have to do the dynamic connections to our template. First, change the logo part. Change line 6 from:

```
<a href="/" class="header__logo">
```

to:

```
<a href="{% url 'projects' %}">
```

Change line 7:

```

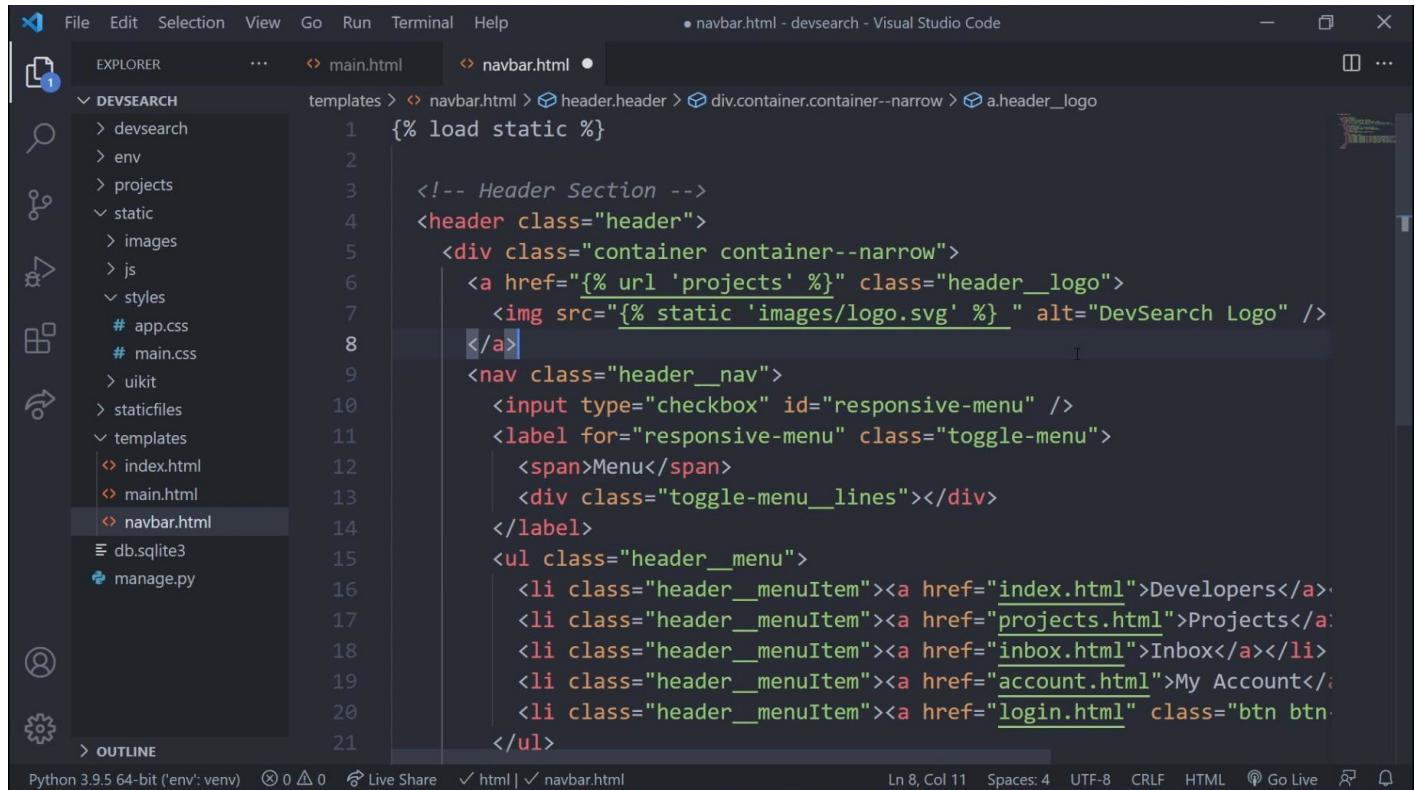
```

to

```

```

in order to force a redirection to the projects page and the static folder as the image source when the logo is clicked by the user.



```
File Edit Selection View Go Run Terminal Help
• navbar.html - devsearch - Visual Studio Code
EXPLORER ... main.html navbar.html
DEVSERACH templates > navbar.html > header.header > div.container.container--narrow > a.header_logo
> devsearch
> env
> projects
static
> images
> js
> styles
# app.css
# main.css
> uikit
> staticfiles
templates
> index.html
> main.html
navbar.html
db.sqlite3
manage.py
<% load static %}

<!-- Header Section --&gt;
&lt;header class="header"&gt;
  &lt;div class="container container--narrow"&gt;
    &lt;a href="{% url 'projects' %}" class="header_logo"&gt;
      &lt;img src="{% static 'images/logo.svg' %}" alt="DevSearch Logo" /&gt;
    &lt;/a&gt;
    &lt;nav class="header_nav"&gt;
      &lt;input type="checkbox" id="responsive-menu" /&gt;
      &lt;label for="responsive-menu" class="toggle-menu"&gt;
        &lt;span&gt;Menu&lt;/span&gt;
        &lt;div class="toggle-menu_lines"&gt;&lt;/div&gt;
      &lt;/label&gt;
      &lt;ul class="header_menu"&gt;
        &lt;li class="header_menuItem"&gt;&lt;a href="index.html"&gt;Developers&lt;/a&gt;&lt;/li&gt;
        &lt;li class="header_menuItem"&gt;&lt;a href="projects.html"&gt;Projects&lt;/a&gt;&lt;/li&gt;
        &lt;li class="header_menuItem"&gt;&lt;a href="inbox.html"&gt;Inbox&lt;/a&gt;&lt;/li&gt;
        &lt;li class="header_menuItem"&gt;&lt;a href="account.html"&gt;My Account&lt;/a&gt;&lt;/li&gt;
        &lt;li class="header_menuItem"&gt;&lt;a href="login.html" class="btn btn--sub"&gt;Login/Signin&lt;/a&gt;&lt;/li&gt;
      &lt;/ul&gt;
    &lt;/nav&gt;
  &lt;/div&gt;
&lt;/header&gt;</pre>
```

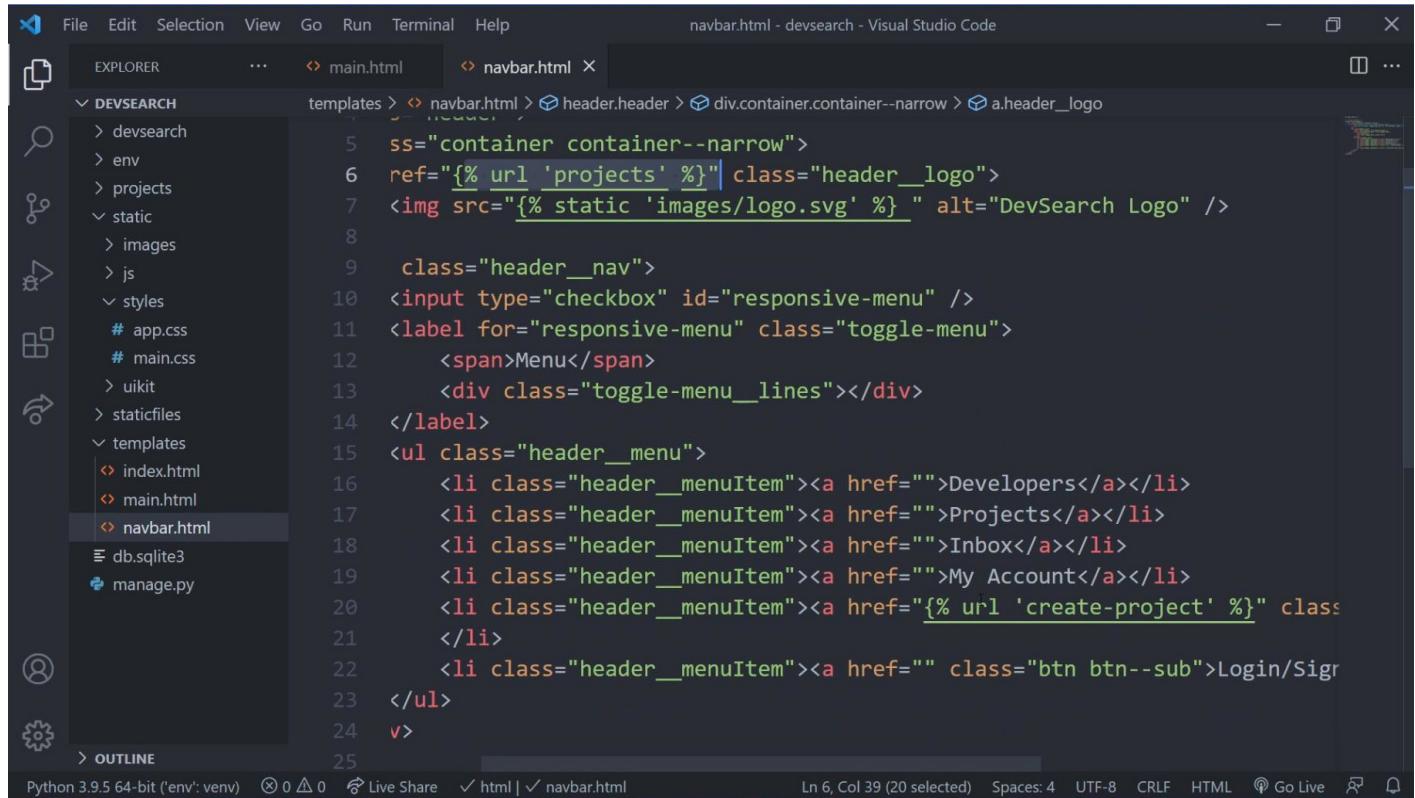
Next, we'll modify the header menu temporarily. Change the list items from lines 16 to 20:

```
<a href="index.html">Developers</a>
<a href="projects.html">Projects</a>
<a href="inbox.html">Inbox</a>
<a href="account.html">My Account</a>
<a href="login.html" class="btn btn--sub">Login/Signin</a>
```

to:

```
<a href="">Developers</a>
<a href="{% url 'projects' %}">Projects</a>
<a href="">Inbox</a>
<a href="{% url 'create-project' %}">Add Project</a>
<a href="" class="btn btn--sub">Login/Signin</a>
```

so the navbar template looks like:



```
File Edit Selection View Go Run Terminal Help
navbar.html - devsearch - Visual Studio Code

EXPLORER ... main.html navbar.html
DEVSEARCH templates > navbar.html > header.header > div.container.container--narrow > a.header_logo
> devsearch
> env
> projects
static
> images
> js
styles
# app.css
# main.css
> uikit
> staticfiles
templates
index.html
main.html
navbar.html
db.sqlite3
manage.py

5 ss="container container--narrow">
6 ref="{% url 'projects' %}" class="header_logo">
7 
8
9 class="header__nav">
10 <input type="checkbox" id="responsive-menu" />
11 <label for="responsive-menu" class="toggle-menu">
12     <span>Menu</span>
13     <div class="toggle-menu__lines"></div>
14 </label>
15 <ul class="header__menu">
16     <li class="header__menuItem"><a href="">Developers</a></li>
17     <li class="header__menuItem"><a href="">Projects</a></li>
18     <li class="header__menuItem"><a href="">Inbox</a></li>
19     <li class="header__menuItem"><a href="">My Account</a></li>
20     <li class="header__menuItem"><a href="{% url 'create-project' %}" class="header__menuItem"><a href="" class="btn btn--sub">Login/Sigr
21     </li>
22     <li class="header__menuItem"><a href="" class="header__menuItem"><a href="" class="btn btn--sub">Login/Sigr
23 </ul>
24 v>
25

Python 3.9.5 64-bit ('env': venv) ⑧ 0 △ 0 Live Share ✓ html | ✓ navbar.html
Ln 6, Col 39 (20 selected) Spaces: 4 UTF-8 CRLF HTML ⚡ Go Live 🎙️
```

The reason behind leaving empty strings is that we still don't have the pages for each address. The previous addresses only work with the static page and they need to change to dynamic addresses, but we don't have them for the moment. The only available address is the one for the create project page. All the dynamic addresses in the page will look like the one for create-project.

With the changes to the navbar, the site should start looking nicer:

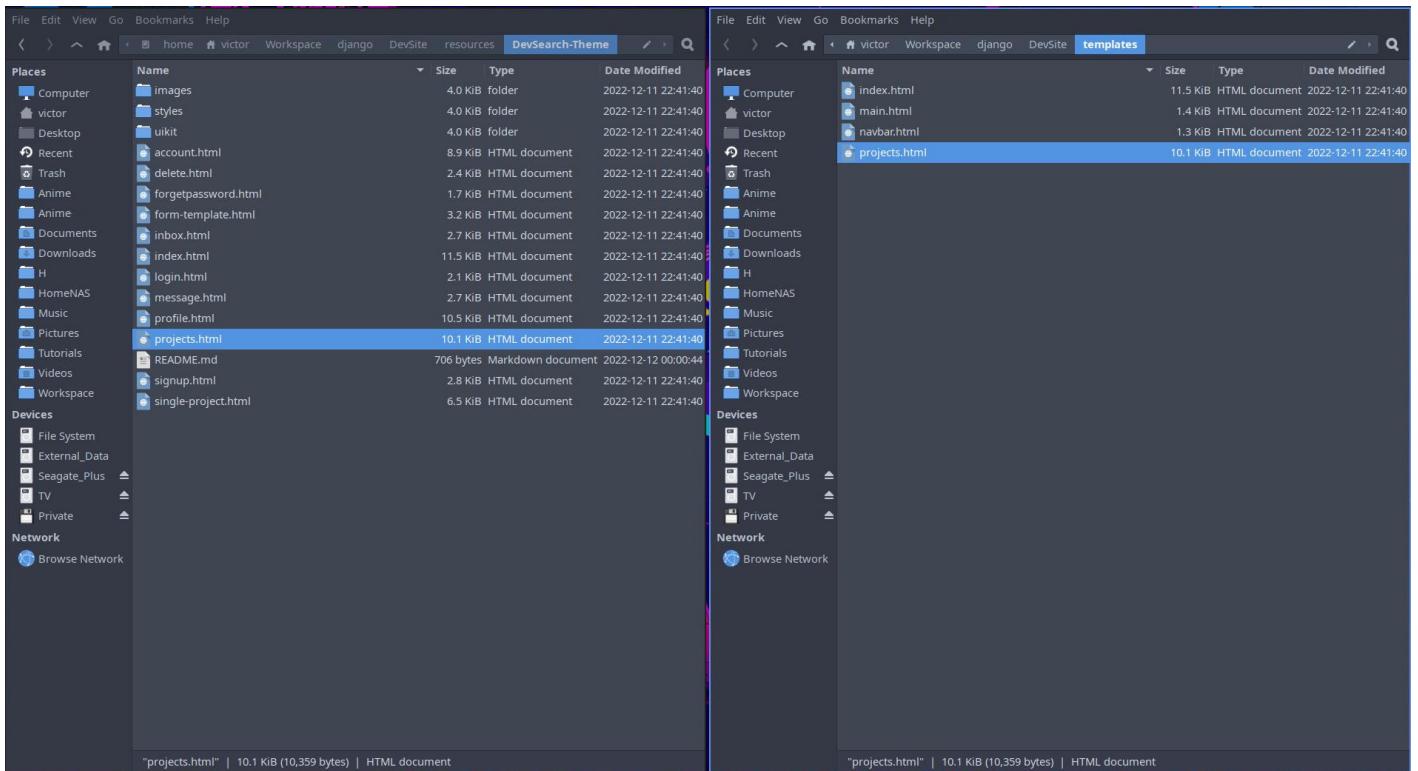
Project	Positive Votes	Votes				
Ecommerce Website	30%	12	June 15, 2021, 1:24 p.m.	Edit	Delete	View
Yoga Vive	98%	51	June 16, 2021, 5:14 p.m.	Edit	Delete	View
Code Sniper	75%	80	June 16, 2021, 5:14 p.m.	Edit	Delete	View
Portfolio Website	65%	6	June 16, 2021, 5:15 p.m.	Edit	Delete	View
Mumble Social Network	89%	74	June 16, 2021, 5:15 p.m.	Edit	Delete	View

FOOTER

Try the site's functionality. You should be able to navigate between the projects and the individual project pages by clicking on the hyperlinks and/or the navigation bar icon.

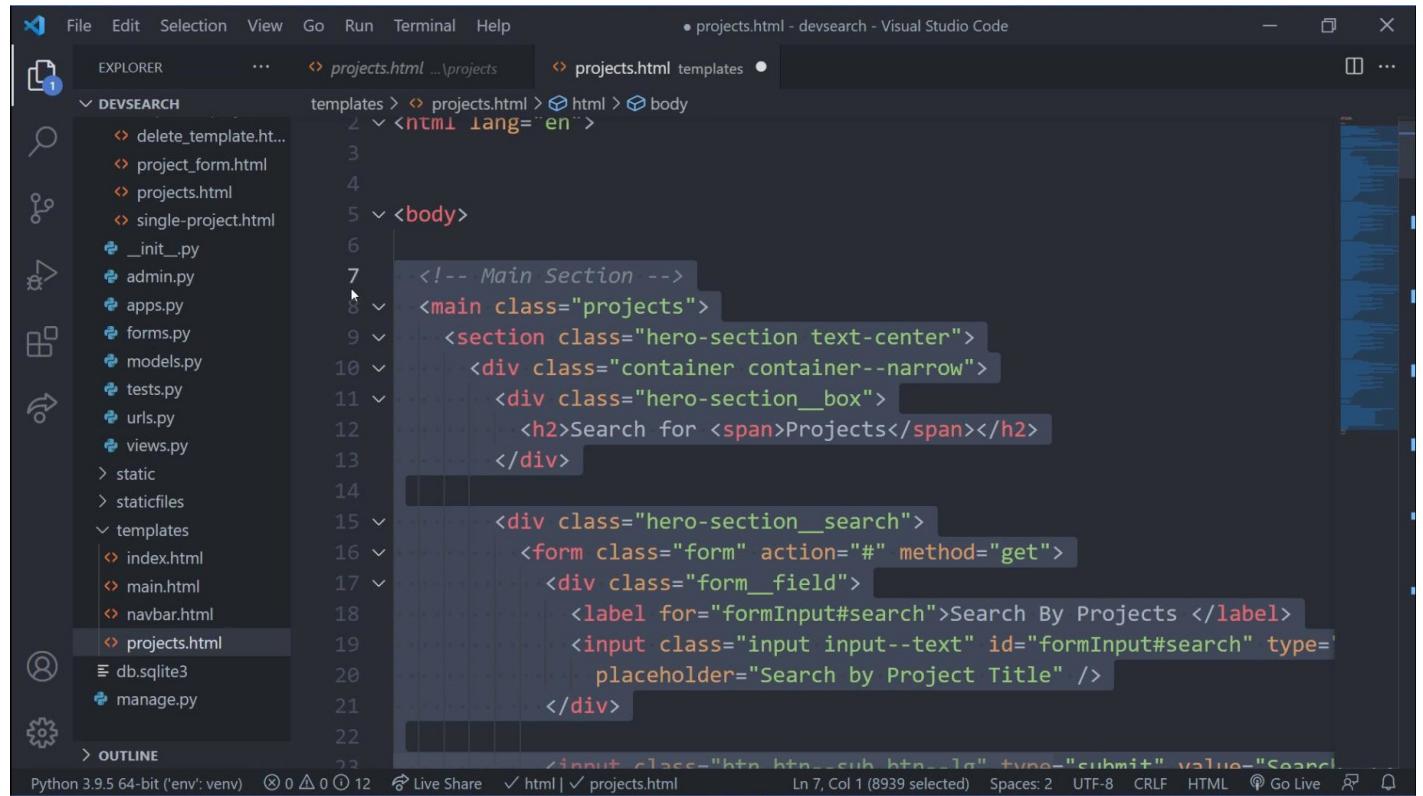
The following step is to modify the projects page so it looks as the projects.html template in the resource folder.

Four, copy the `/resources/DevSearch-Themes/templates/projects.html` to `/templates/projects.html`



We momentarily placed the `/resources/DevSearch-Themes/.../projects.html` file into the main `/templates/` folder just to separate the `projects.html` that really is in the `/projects/templatest/projects/projects.html` file.

We are going to copy the `<main> ... </main>` section of the recently copied resources file:



```
File Edit Selection View Go Run Terminal Help
• projects.html - devsearch - Visual Studio Code
EXPLORER      ...
DESEARCH
    delete_template.html
    project_form.html
    projects.html
    single-project.html
    __init__.py
    admin.py
    apps.py
    forms.py
    models.py
    tests.py
    urls.py
    views.py
    static
    staticfiles
    templates
        index.html
        main.html
        navbar.html
        projects.html
    db.sqlite3
    manage.py
OUTLINE
Python 3.9.5 64-bit ('env': venv)  ⚡ 0 ⚡ 0 ⚡ 0 ⚡ 12  🔍 Live Share  ✓ html | ✓ projects.html  Ln 7, Col 1 (8939 selected)  Spaces: 2  UTF-8  CRLF  HTML  ⌂ Go Live  ⌂
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>DevSearch</title>
        <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet">
        <link href="https://cdn.jsdelivr.net/npm/@mdi/font@5.x/css/materialdesignicons.min.css" rel="stylesheet">
        <link href="https://cdn.jsdelivr.net/npm/@fortawesome/fontawesome-free@6.x/css/all.min.css" rel="stylesheet">
        <link href="/static/css/styles.css" rel="stylesheet">
    </head>
    <body>
        <!-- Main Section -->
        <main class="projects">
            <section class="hero-section text-center">
                <div class="container container--narrow">
                    <div class="hero-section__box">
                        <h2>Search for <span>Projects</span></h2>
                    </div>
                    <div class="hero-section__search">
                        <form class="form" action="#" method="get">
                            <div class="form__field">
                                <label for="formInput#search">Search By Projects </label>
                                <input class="input input--text" id="formInput#search" type="text" placeholder="Search by Project Title" />
                            </div>
                            <input class="btn btn--sub btn--lg" type="submit" value="Search" />
                        </form>
                    </div>
                </div>
            </section>
            <div class="row row--gutter">
                <div class="col-12 col-md-6 col-lg-4">
                    <div class="card card--borderless">
                        <div class="card__img" style="background-image: url("/static/images/placeholder.jpg");">
                            <div class="card__img__mask">
                                <div class="card__img__mask__content">
                                    <img alt="Placeholder image for a project card" data-bbox="100 100 200 200"/>
                                    <div class="card__img__mask__content__text">
                                        <h3>Project Name</h3>
                                        <p>Description of the project</p>
                                        <a href="#" class="btn btn--sub">View Details
                                    </div>
                                </div>
                            </div>
                        </div>
                    </div>
                </div>
                <div class="col-12 col-md-6 col-lg-4">
                    <div class="card card--borderless">
                        <div class="card__img" style="background-image: url("/static/images/placeholder.jpg");">
                            <div class="card__img__mask">
                                <div class="card__img__mask__content">
                                    <img alt="Placeholder image for a project card" data-bbox="100 100 200 200"/>
                                    <div class="card__img__mask__content__text">
                                        <h3>Project Name</h3>
                                        <p>Description of the project</p>
                                        <a href="#" class="btn btn--sub">View Details
                                    </div>
                                </div>
                            </div>
                        </div>
                    </div>
                </div>
                <div class="col-12 col-md-6 col-lg-4">
                    <div class="card card--borderless">
                        <div class="card__img" style="background-image: url("/static/images/placeholder.jpg");">
                            <div class="card__img__mask">
                                <div class="card__img__mask__content">
                                    <img alt="Placeholder image for a project card" data-bbox="100 100 200 200"/>
                                    <div class="card__img__mask__content__text">
                                        <h3>Project Name</h3>
                                        <p>Description of the project</p>
                                        <a href="#" class="btn btn--sub">View Details
                                    </div>
                                </div>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </main>
    </body>
</html>
```

to the `/projects/.../projects.html` file right beneath the `</table>` tag:

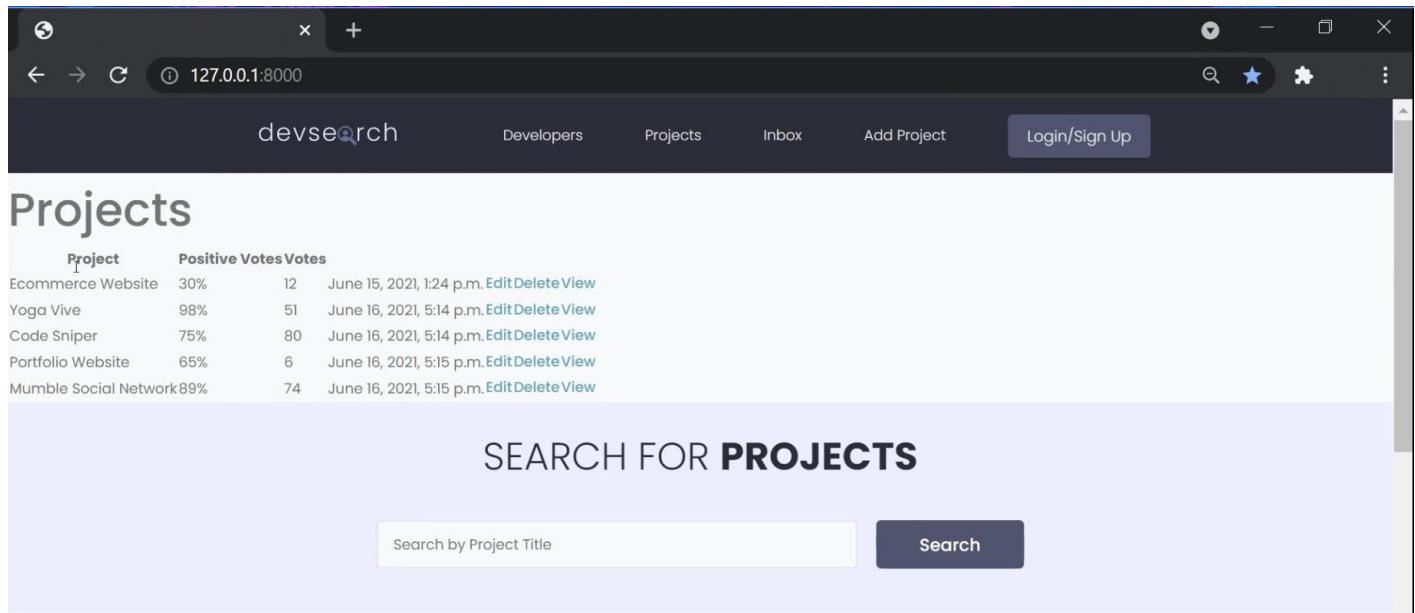
```

File Edit Selection View Go Run Terminal Help
projects.html - devsearch - Visual Studio Code
EXPLORER ... 
DESEARCH
delete_template.html
project_form.html
projects.html
single-project.html
_init_.py
admin.py
apps.py
forms.py
models.py
tests.py
urls.py
views.py
static
staticfiles
templates
index.html
main.html
navbar.html
projects.html
db.sqlite3
manage.py
OUTLINE
Python 3.9.5 64-bit ('env': venv) ⑧ 0 △ 0 Live Share ✓ html | ✓ projects.html
Ln 28, Col 1 Spaces: 4 UTF-8 CRLF HTML ⚡ Go Live ⌂
13 projects > templates > projects > projects.html > table
14   <tr>
15     <td>{{project.title}}</td>
16     <td>{{project.vote_ratio}}%</td>
17     <td>{{project.vote_total}}</td>
18     <td>{{project.created}}</td>
19     <td><a href="{% url 'update-project' project.id %}">Edit</a></td>
20     <td><a href="{% url 'delete-project' project.id %}">Delete</a></td>
21     <td><a href="{% url 'project' project.id %}">View</a></td>
22   </tr>
23   {% endfor %}
24 </table>
25
26
27
28
29
30
31
32
33 {%- endblock content %}
```

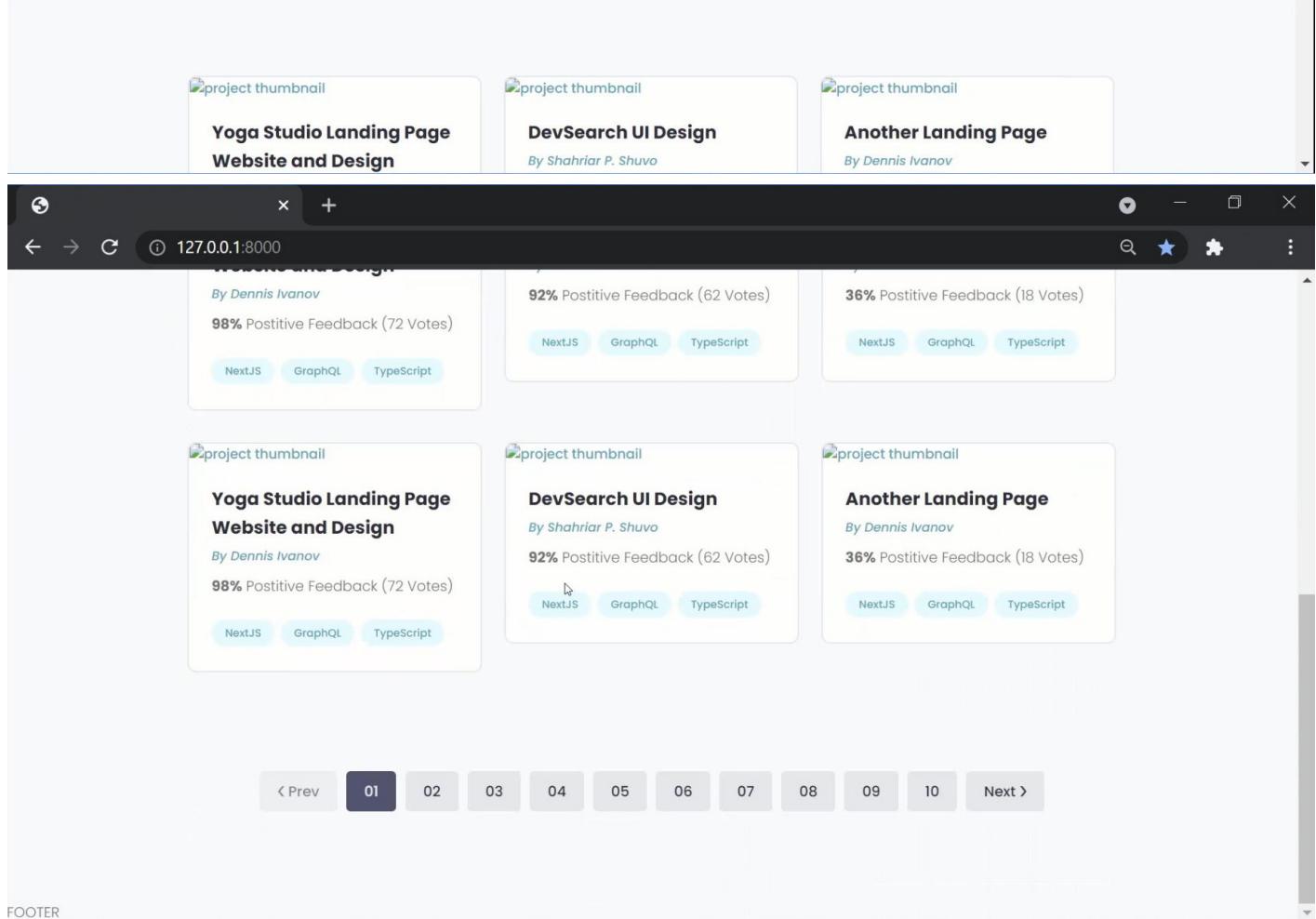
```

File Edit Selection View Go Run Terminal Help
projects.html - devsearch - Visual Studio Code
EXPLORER ...
DESEARCH
delete_template.html
project_form.html
projects.html
single-project.html
_init_.py
admin.py
apps.py
forms.py
models.py
tests.py
urls.py
views.py
static
staticfiles
templates
index.html
main.html
navbar.html
projects.html
db.sqlite3
manage.py
OUTLINE
Python 3.9.5 64-bit ('env': venv) ⑧ 0 △ 0 Live Share ✓ html | ✓ projects.html
Ln 237, Col 10 Spaces: 4 UTF-8 CRLF HTML ⚡ Go Live ⌂
218 </div>
219 </section>
220
221 <div class="pagination">
222   <ul class="container">
223     <li><a href="#" class="btn btn--disabled">Prev &#10094;</a></li>
224     <li><a href="#" class="btn btn--sub">01</a></li>
225     <li><a href="#" class="btn">02</a></li>
226     <li><a href="#" class="btn">03</a></li>
227     <li><a href="#" class="btn">04</a></li>
228     <li><a href="#" class="btn">05</a></li>
229     <li><a href="#" class="btn">06</a></li>
230     <li><a href="#" class="btn">07</a></li>
231     <li><a href="#" class="btn">08</a></li>
232     <li><a href="#" class="btn">09</a></li>
233     <li><a href="#" class="btn">10</a></li>
234     <li><a href="#" class="btn">Next &#10095;</a></li>
235   </ul>
236 </div>
237 </main>
238
```

If we refresh the page, we should see a resulting page:



The screenshot shows a web application interface titled "devsearch". At the top, there is a navigation bar with links for "Developers", "Projects", "Inbox", "Add Project", and "Login/Sign Up". Below the navigation bar, the word "Projects" is displayed in a large, bold font. Underneath, there is a table with columns for "Project", "Positive Votes", and "Votes". The table lists five projects: "Ecommerce Website", "Yoga Vive", "Code Sniper", "Portfolio Website", and "Mumble Social Network". Each row includes a timestamp and three buttons: "Edit", "Delete", and "View". Below the table, there is a search bar with the placeholder "Search by Project Title" and a "Search" button.

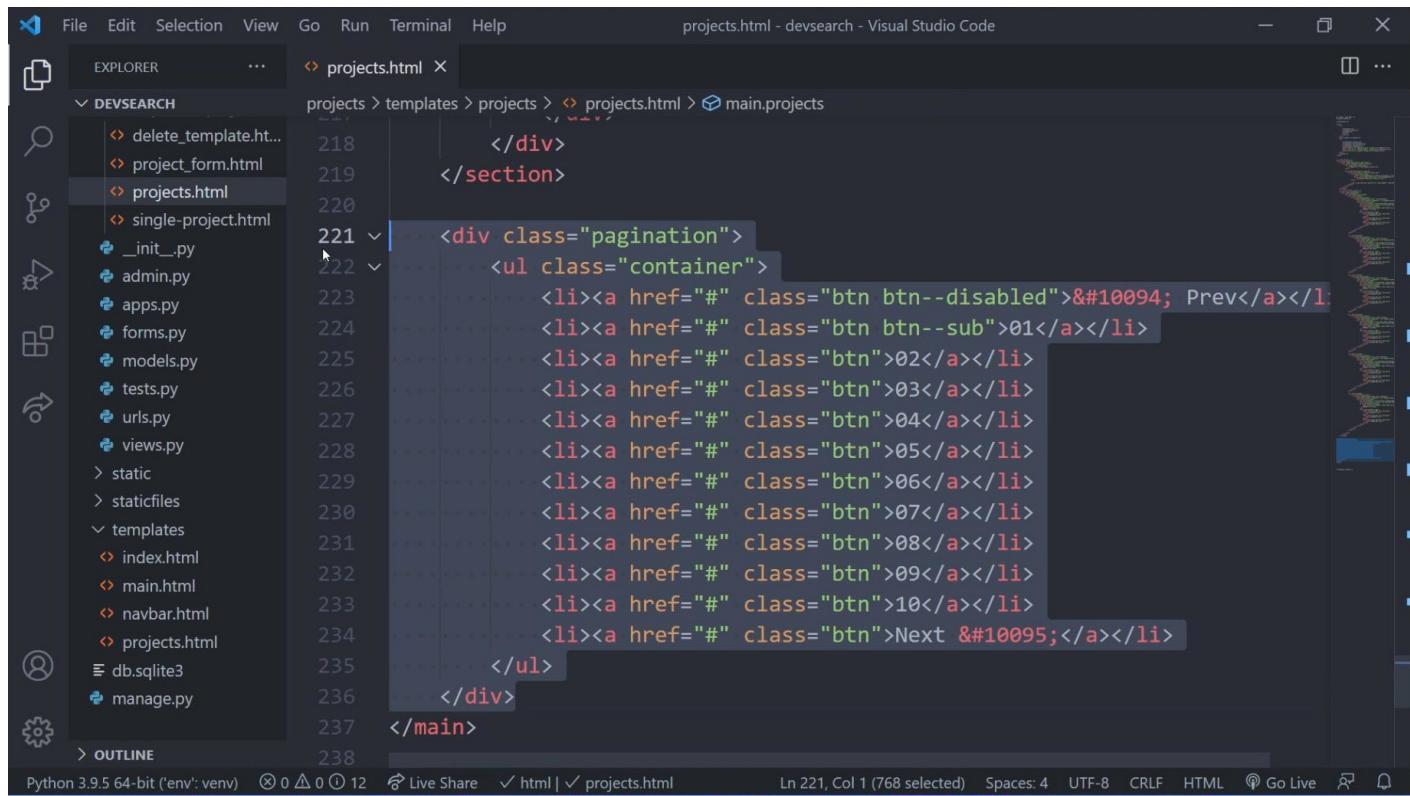


The screenshot shows the same "devsearch" application. The search results are displayed in a grid format. There are two rows of three items each. Each item has a thumbnail, a title, a subtitle, and a timestamp. The first item is "Yoga Studio Landing Page Website and Design" by Dennis Ivanov, with 98% positive feedback (72 votes). The second item is "DevSearch UI Design" by Shahriar P. Shuvo, with 92% positive feedback (62 votes). The third item is "Another Landing Page" by Dennis Ivanov, with 36% positive feedback (18 votes). Each item also has a "NextJS", "GraphQL", and "TypeScript" tag below it. At the bottom of the page, there is a pagination bar with numbered buttons from 01 to 10, and "Prev" and "Next >" buttons.

FOOTER

We'll get rid of the pagination at the bottom of the page and we'll start migrating the data from the first table we implemented into each of the divisions inside the newly styled page.

Delete the section indicated by the pagination divition `<div class="pagination"> ... </div>`:



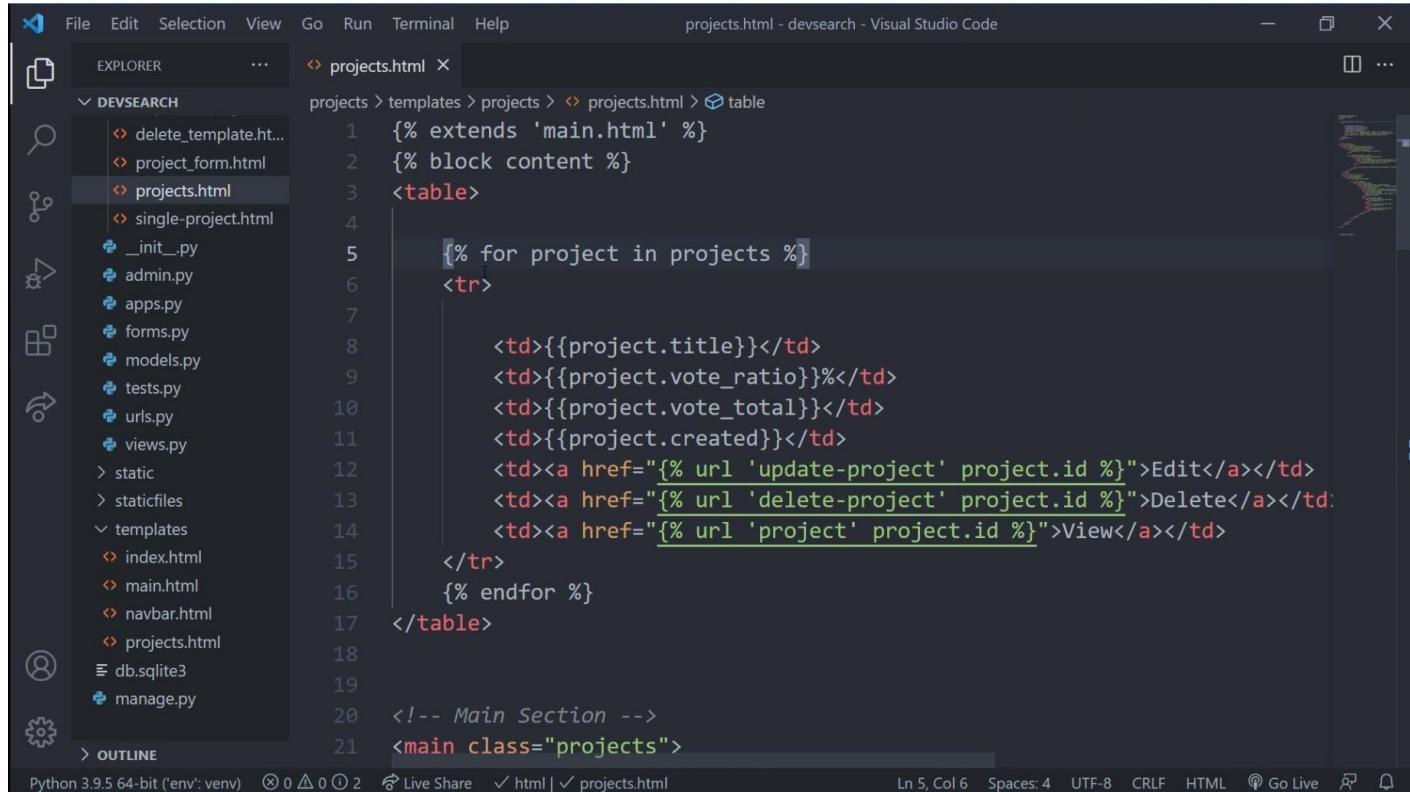
```

File Edit Selection View Go Run Terminal Help
projects.html - devsearch - Visual Studio Code
EXPLORER ... > projects.html <
DEVSERACH projects > templates > projects > projects.html > main.projects
218     </div>
219     </section>
220
221 <div class="pagination">
222   <ul class="container">
223     <li><a href="#" class="btn btn--disabled"> Prev </a></li>
224     <li><a href="#" class="btn btn--sub">01</a></li>
225     <li><a href="#" class="btn">02</a></li>
226     <li><a href="#" class="btn">03</a></li>
227     <li><a href="#" class="btn">04</a></li>
228     <li><a href="#" class="btn">05</a></li>
229     <li><a href="#" class="btn">06</a></li>
230     <li><a href="#" class="btn">07</a></li>
231     <li><a href="#" class="btn">08</a></li>
232     <li><a href="#" class="btn">09</a></li>
233     <li><a href="#" class="btn">10</a></li>
234     <li><a href="#" class="btn"> Next </a></li>
235   </ul>
236 </div>
237 </main>
238

```

Python 3.9.5 64-bit ('env': venv) ⚡ 0 ⚡ 0 ⚡ 0 ⚡ 12 🔍 Live Share ✓ html | ✓ projects.html Ln 221, Col 1 (768 selected) Spaces: 4 UTF-8 CRLF HTML ⚡ Go Live ⚡

Next, modify the beginning of the **projects.html** template so it looks similar to:



```

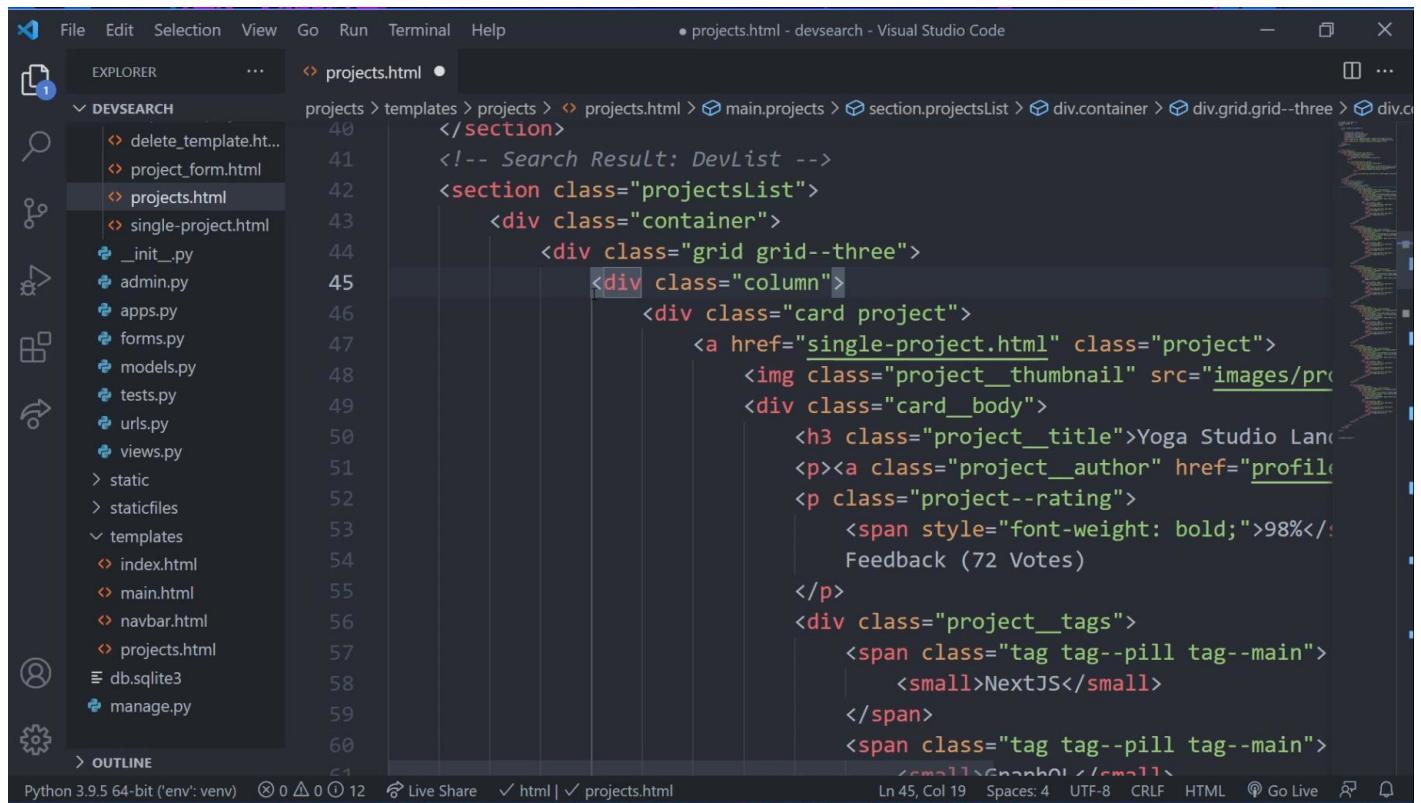
File Edit Selection View Go Run Terminal Help
projects.html - devsearch - Visual Studio Code
EXPLORER ... > projects.html <
DEVSERACH projects > templates > projects > projects.html > main.projects
1  {% extends 'main.html' %} 
2  {% block content %} 
3  <table>
4
5    {% for project in projects %} 
6      <tr>
7
8        <td>{{project.title}}</td>
9        <td>{{project.vote_ratio}}%</td>
10       <td>{{project.vote_total}}</td>
11       <td>{{project.created}}</td>
12       <td><a href="{% url 'update-project' project.id %}">Edit</a></td>
13       <td><a href="{% url 'delete-project' project.id %}">Delete</a></td>
14       <td><a href="{% url 'project' project.id %}">View</a></td>
15     </tr>
16    {% endfor %} 
17 </table>
18
19  <!-- Main Section -->
20  <main class="projects">
21

```

Python 3.9.5 64-bit ('env': venv) ⚡ 0 ⚡ 0 ⚡ 0 ⚡ 2 🔍 Live Share ✓ html | ✓ projects.html Ln 5, Col 6 Spaces: 4 UTF-8 CRLF HTML ⚡ Go Live ⚡

We're not interested in keeping the same formatting as before, but we want to preserve a for loop in order to generate cards with each project data and with an horizontal limit.

Around line 45, you'll find a "column" class division:

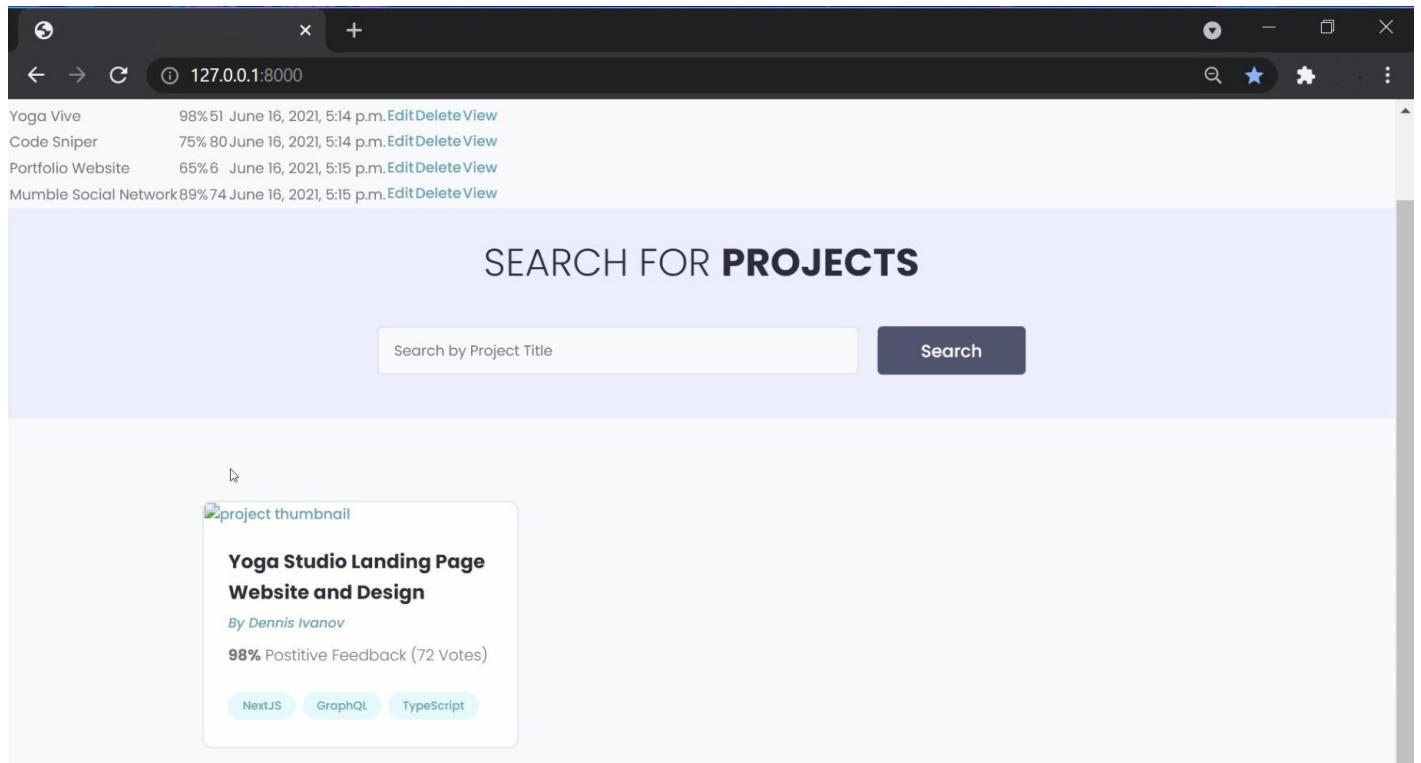


```

File Edit Selection View Go Run Terminal Help
• projects.html - devsearch - Visual Studio Code
EXPLORER ... projects > templates > projects > projects.html
DESEARCH delete_template.html
project_form.html
projects.html
single-project.html
_init_.py
admin.py
apps.py
forms.py
models.py
tests.py
urls.py
views.py
> static
> staticfiles
> templates
index.html
main.html
navbar.html
projects.html
db.sqlite3
manage.py
OUTLINE
Python 3.9.5 64-bit ('env': venv) ⚡ 0 ⚡ 0 ⚡ 12 Live Share ✓ html | ✓ projects.html
Ln 45, Col 19 Spaces: 4 UTF-8 CRLF HTML ⚡ Go Live ⚡

```

find its ending tag and from the ending tag, delete all subsequent "column" divisions so you just keep a single card:



SEARCH FOR PROJECTS

Search by Project Title

Yoga Vive 98% 51 June 16, 2021, 5:14 p.m. Edit Delete View

Code Sniper 75% 80 June 16, 2021, 5:14 p.m. Edit Delete View

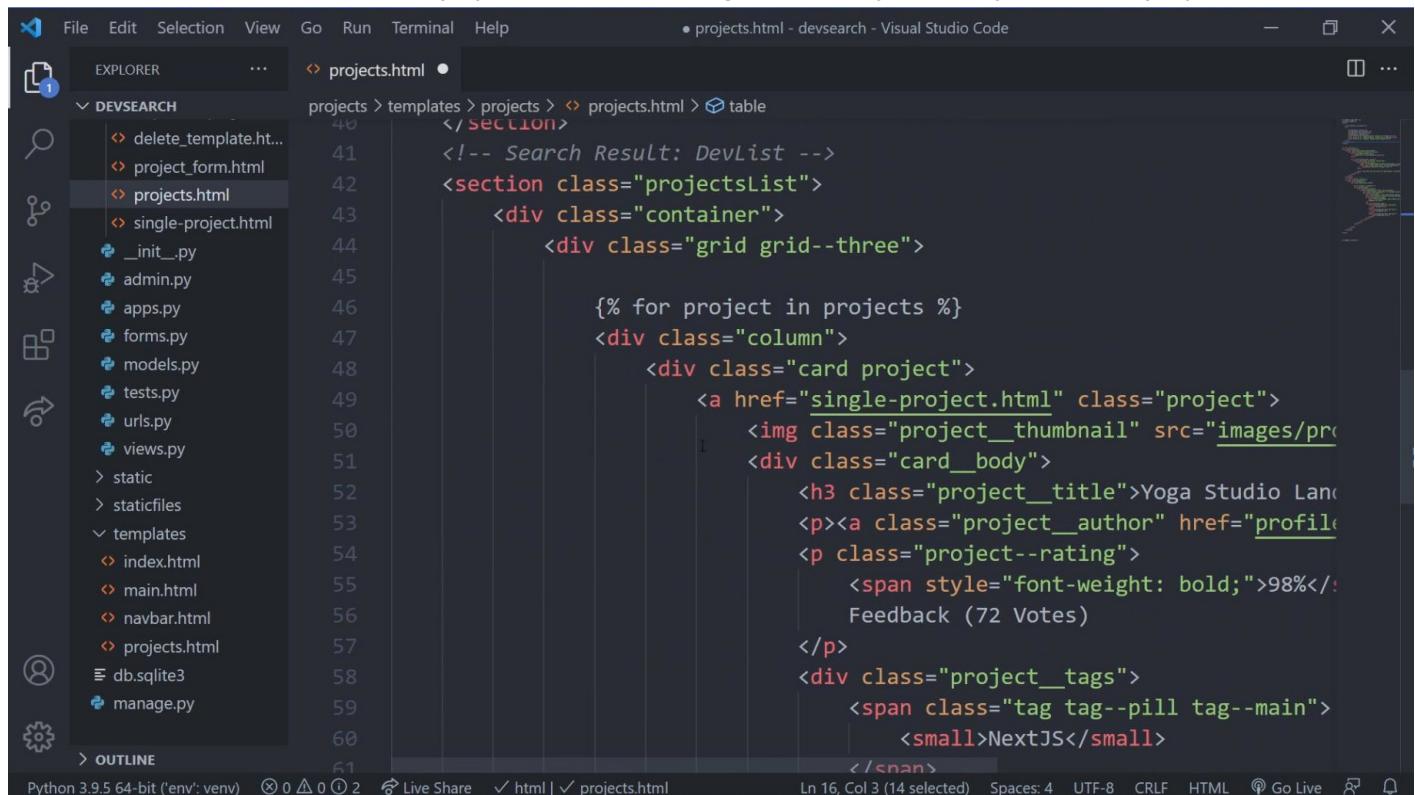
Portfolio Website 65% 6 June 16, 2021, 5:15 p.m. Edit Delete View

Mumble Social Network 89% 74 June 16, 2021, 5:15 p.m. Edit Delete View

Yoga Studio Landing Page
Website and Design
By Dennis Ivanov
98% Positive Feedback (72 Votes)

NextJS GraphQL TypeScript

Next, insert the card into a for-loop cycle so each card is generated dynamically with each project data.



```

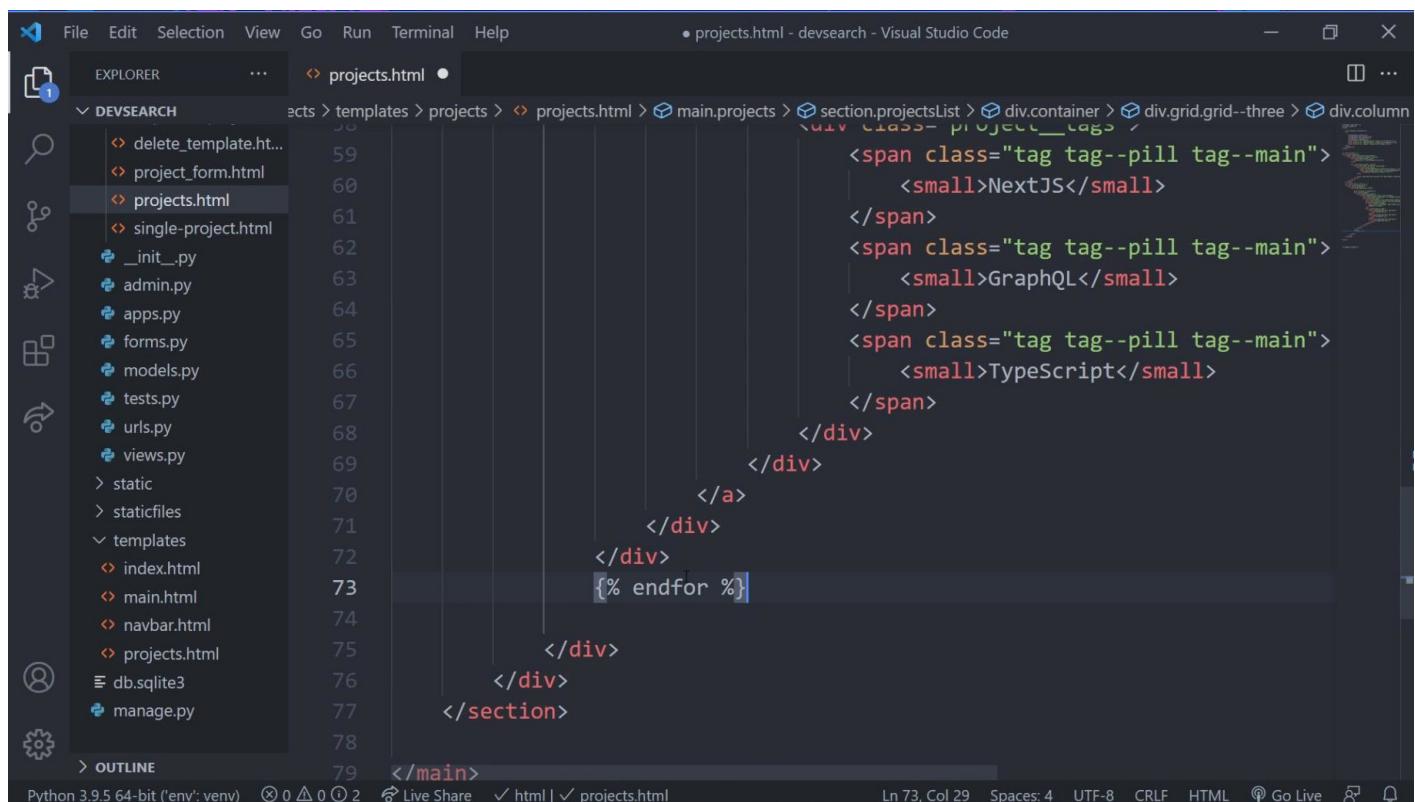
File Edit Selection View Go Run Terminal Help
• projects.html - devsearch - Visual Studio Code
EXPLORER
DEVSEARCH
    > delete_template.html
    > project_form.html
    > projects.html
    > single-project.html
    & __init__.py
    & admin.py
    & apps.py
    & forms.py
    & models.py
    & tests.py
    & urls.py
    & views.py
    > static
    > staticfiles
    < templates
        > index.html
        > main.html
        > navbar.html
        > projects.html
    & db.sqlite3
    & manage.py
OUTLINE
Python 3.9.5 64-bit ('env': venv) ⚡ 0 ⚡ 0 ⚡ 2 🔍 Live Share ✓ html | ✓ projects.html Ln 16, Col 3 (14 selected) Spaces: 4 UTF-8 CRLF HTML ⚡ Go Live ⚡

```

```

</section>
<!-- Search Result: DevList --&gt;
&lt;section class="projectsList"&gt;
    &lt;div class="container"&gt;
        &lt;div class="grid grid--three"&gt;
            {% for project in projects %}
                &lt;div class="column"&gt;
                    &lt;div class="card project"&gt;
                        &lt;a href="single-project.html" class="project"&gt;
                            &lt;img class="project__thumbnail" src="images/proj...
                        &lt;div class="card__body"&gt;
                            &lt;h3 class="project__title"&gt;Yoga Studio Land...
                            &lt;p&gt;&lt;a class="project__author" href="profile...
                            &lt;p class="project--rating"&gt;
                                &lt;span style="font-weight: bold;"&gt;98%&lt;/span&gt;
                                Feedback (72 Votes)
                            &lt;/p&gt;
                            &lt;div class="project__tags"&gt;
                                &lt;span class="tag tag--pill tag--main"&gt;
                                    &lt;small&gt;NextJS&lt;/small&gt;
                                &lt;/span&gt;
</pre>

```



```

File Edit Selection View Go Run Terminal Help
• projects.html - devsearch - Visual Studio Code
EXPLORER
DEVSEARCH
    > delete_template.html
    > project_form.html
    > projects.html
    > single-project.html
    & __init__.py
    & admin.py
    & apps.py
    & forms.py
    & models.py
    & tests.py
    & urls.py
    & views.py
    > static
    > staticfiles
    < templates
        > index.html
        > main.html
        > navbar.html
        > projects.html
    & db.sqlite3
    & manage.py
OUTLINE
Python 3.9.5 64-bit ('env': venv) ⚡ 0 ⚡ 0 ⚡ 2 🔍 Live Share ✓ html | ✓ projects.html Ln 73, Col 29 Spaces: 4 UTF-8 CRLF HTML ⚡ Go Live ⚡

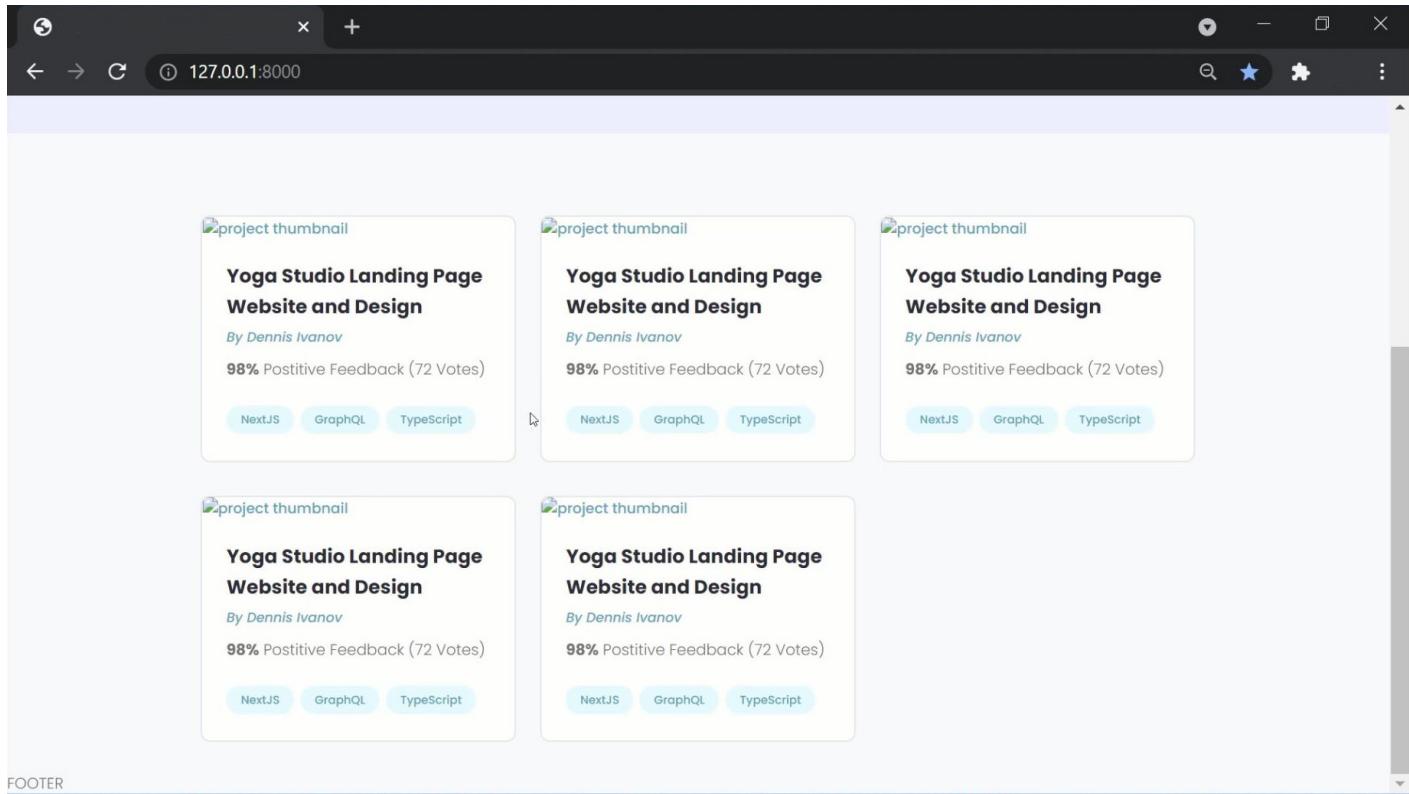
```

```

<div class="column">
    <div class="card project">
        <a href="single-project.html" class="project">
            
            <h3 class="project__title">Yoga Studio Land...
            <p><a class="project__author" href="profile...
            <p class="project--rating">
                <span style="font-weight: bold;">98%</span>
                Feedback (72 Votes)
            </p>
            <div class="project__tags">
                <span class="tag tag--pill tag--main">
                    <small>NextJS</small>
                </span>
                <span class="tag tag--pill tag--main">
                    <small>GraphQL</small>
                </span>
                <span class="tag tag--pill tag--main">
                    <small>TypeScript</small>
                </span>
            </div>
        </a>
    </div>
</div>
{% endfor %}
</div>
</div>
</section>
</main>

```

If you refresh the page, you should be able to see a series of cards with the same static information:



FOOTER

Let's change the card titles by changing the hardcoded title in the card with the variable

```
{project.title}
```

in line 52:

{{project.title}}' in red, indicating a syntax error. The file path 'projects.html' is visible in the status bar at the bottom."/>

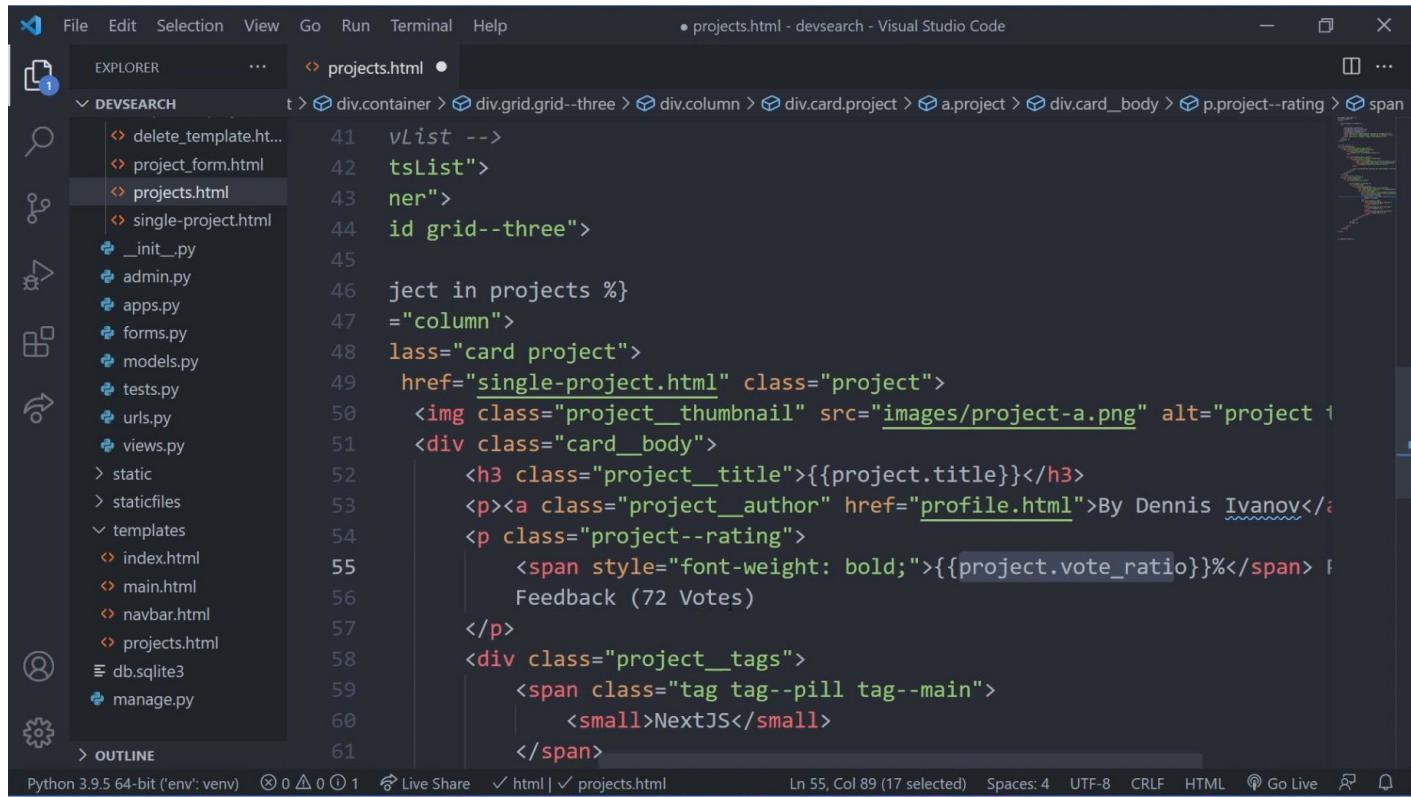
```

File Edit Selection View Go Run Terminal Help
• projects.html - devsearch - Visual Studio Code
- □ X
EXPLORER ... projects.html ●
DEVSEARCH 1.projectsList > div.container > div.grid.grid--three > div.column > div.card.project > a.project > div.card_body > h3.project_title
delete_template.htm... 41
project_form.html 42
projects.html 43
single-project.html 44 three">
_init_.py 45
admin.py 46
apps.py 47
forms.py 48
models.py 49
tests.py 50
urls.py 51
views.py 52
> static
> staticfiles
templates
index.html 53
main.html 54
navbar.html 55
projects.html 56
> static
> staticfiles
> templates
> index.html
> main.html
> navbar.html
> projects.html
db.sqlite3 57
manage.py 58
> OUTLINE
Python 3.9.5 64-bit ('env': venv) ① 0 △ 0 ① 2 🔍 Live Share ✓ html | ✓ projects.html
Ln 52, Col 77 Spaces: 4 UTF-8 CRLF HTML ⚙ Go Live 🔍 🔍

```

and we'll be doing exactly the same thing for the rest of the data in the card.

Change the vote ratio:



```

File Edit Selection View Go Run Terminal Help
• projects.html - devsearch - Visual Studio Code

EXPLORER
DEVSEARCH
    delete_template.html
    project_form.html
    projects.html
    single-project.html
    __init__.py
    admin.py
    apps.py
    forms.py
    models.py
    tests.py
    urls.py
    views.py
    static
    staticfiles
    templates
        index.html
        main.html
        navbar.html
        projects.html
    db.sqlite3
    manage.py

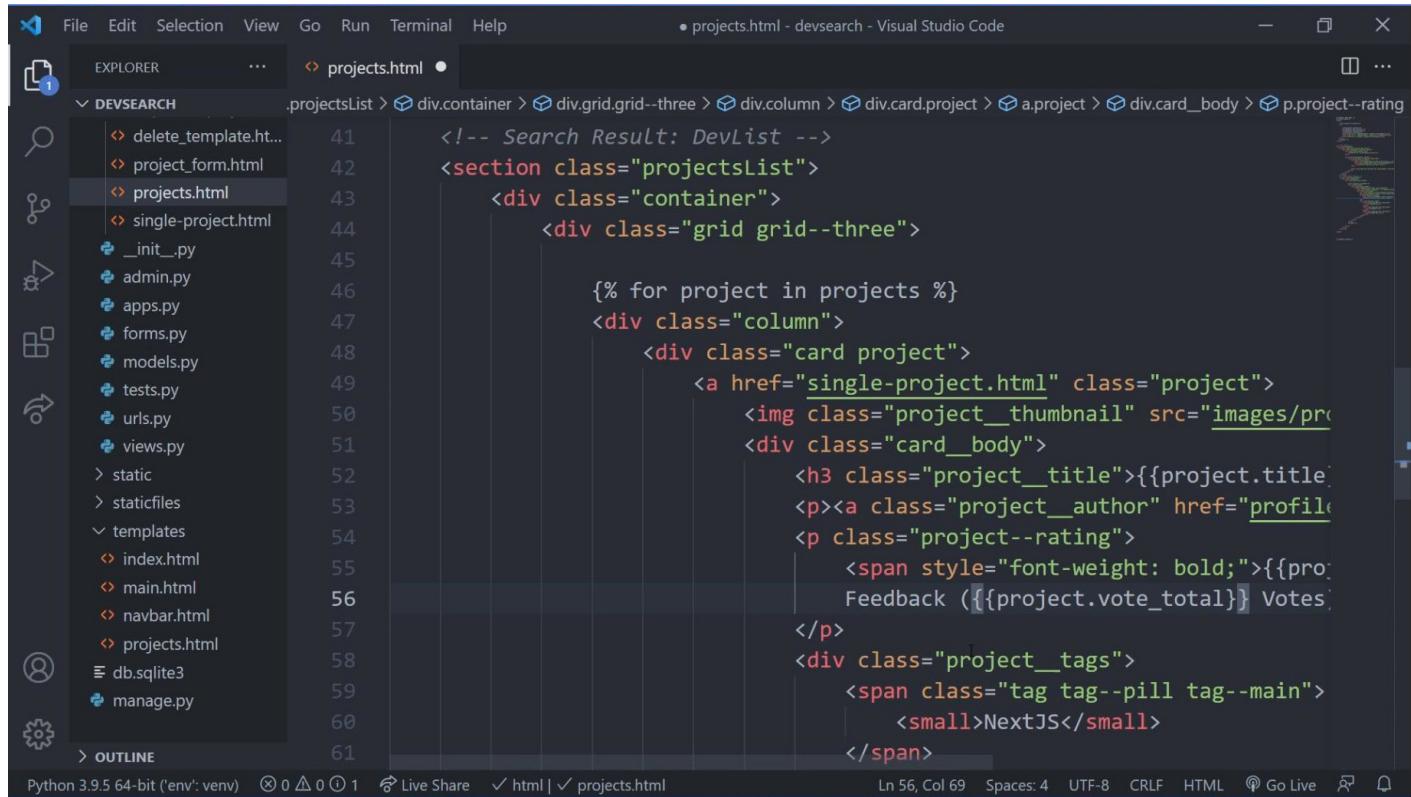
OUTLINE

41 vList -->
42 tsList">
43 ner">
44 id grid--three">
45
46 ject in projects %}
47 ="column">
48 lass="card project">
49 href="single-project.html" class="project">
50 
51 <div class="card_body">
52     <h3 class="project_title">{{project.title}}</h3>
53     <p><a class="project_author" href="profile.html">By Dennis Ivanov</a></p>
54     <p class="project--rating">
55         <span style="font-weight: bold;">{{project.vote_ratio}}%</span>
56         Feedback (72 Votes)
57     </p>
58     <div class="project_tags">
59         <span class="tag tag--pill tag--main">
60             <small>NextJS</small>
61         </span>

```

Python 3.9.5 64-bit ('env': venv) ⚡ 0 ⚡ 0 ⚡ 1 🔍 Live Share ✓ html | ✓ projects.html Ln 55, Col 89 (17 selected) Spaces: 4 UTF-8 CRLF HTML ⚡ Go Live ⚡

ant the total vote:



```

File Edit Selection View Go Run Terminal Help
• projects.html - devsearch - Visual Studio Code

EXPLORER
DEVSEARCH
    delete_template.html
    project_form.html
    projects.html
    single-project.html
    __init__.py
    admin.py
    apps.py
    forms.py
    models.py
    tests.py
    urls.py
    views.py
    static
    staticfiles
    templates
        index.html
        main.html
        navbar.html
        projects.html
    db.sqlite3
    manage.py

OUTLINE

41 <!-- Search Result: DevList -->
42 <section class="projectsList">
43     <div class="container">
44         <div class="grid grid--three">
45             {% for project in projects %}
46                 <div class="column">
47                     <div class="card project">
48                         <a href="single-project.html" class="project">
49                             
50                             <div class="card_body">
51                                 <h3 class="project_title">{{project.title}}</h3>
52                                 <p><a class="project_author" href="profile.html">By Dennis Ivanov</a></p>
53                                 <p class="project--rating">
54                                     <span style="font-weight: bold;">{{project.vote_ratio}}%</span>
55                                     Feedback ({{project.vote_total}} Votes)
56                                 </p>
57                                 <div class="project_tags">
58                                     <span class="tag tag--pill tag--main">
59                                         <small>NextJS</small>
60                                     </span>

```

Python 3.9.5 64-bit ('env': venv) ⚡ 0 ⚡ 0 ⚡ 1 🔍 Live Share ✓ html | ✓ projects.html Ln 56, Col 69 Spaces: 4 UTF-8 CRLF HTML ⚡ Go Live ⚡

Remove the table elements at the begining of the template file:

```

File Edit Selection View Go Run Terminal Help
• projects.html - devsearch - Visual Studio Code
EXPLORER ... 
DESEARCH
delete_template.htm...
project_form.html...
projects.html
single-project.html
_init_.py
admin.py
apps.py
forms.py
models.py
tests.py
urls.py
views.py
> static
> staticfiles
templates
index.html
main.html
navbar.html
projects.html
db.sqlite3
manage.py
> OUTLINE
Python 3.9.5 64-bit ('env': venv) 0 △ 0 ① 1 Live Share html | projects.html Ln 8, Col 8 Spaces: 4 UTF-8 CRLF HTML Go Live
1 <% for project in projects %>
2   <tr>
3     <td><a href="{% url 'update-project' project.id %}">Edit</a></td>
4     <td><a href="{% url 'delete-project' project.id %}">Delete</a></td>
5     <td><a href="{% url 'project' project.id %}">View</a></td>
6   </tr>
7   {% endfor %}
8 </table>
9
10 <!-- Main Section -->
11 <main class="projects">
12   <section class="hero-section text-center">
13     <div class="container container--narrow">
14       <div class="hero-section__box">
15         <h2>Search for <span>Projects</span></h2>
16       </div>
17     </div>
18   </section>
19 </main>
20
21
22
23
24

```

so we see:

SEARCH FOR **PROJECTS**

Search by Project Title

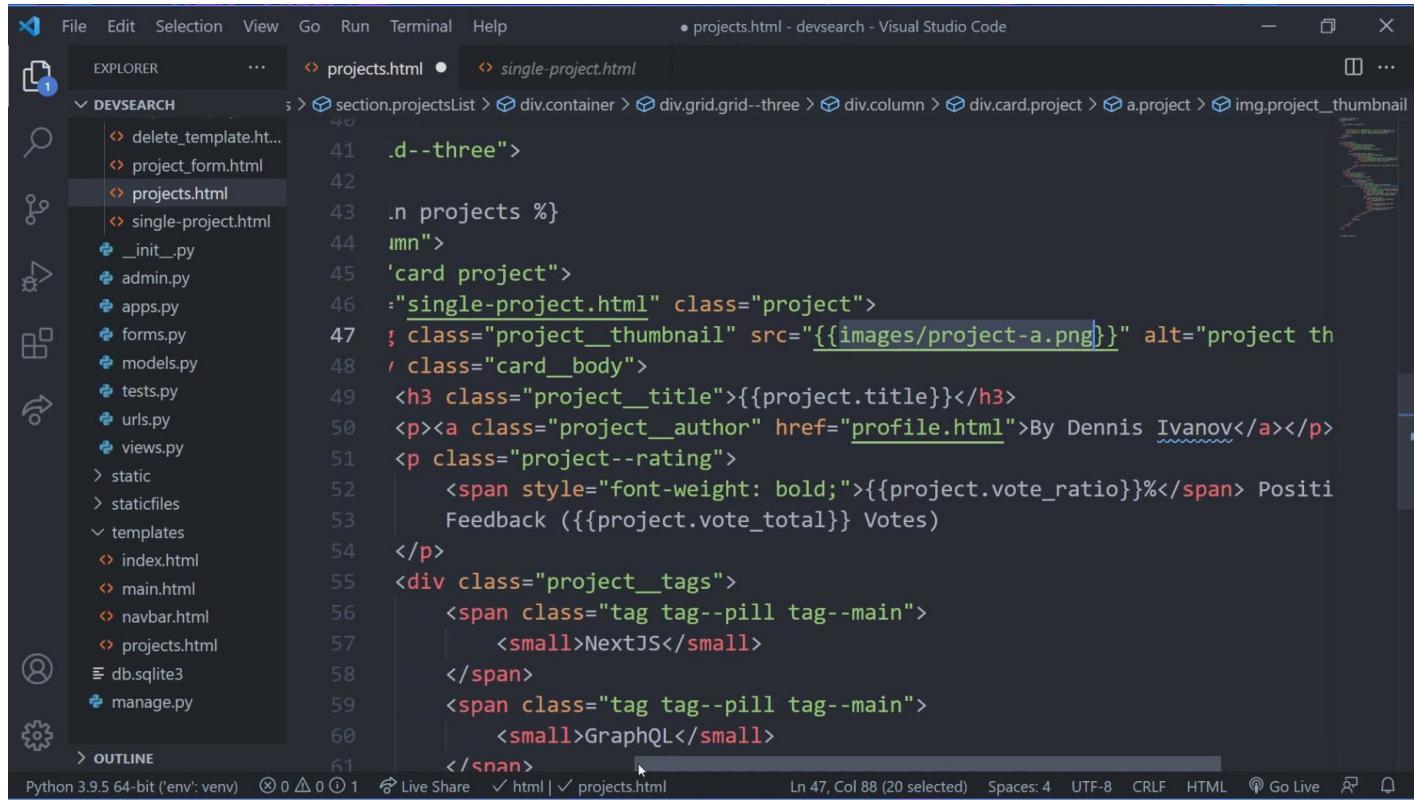
Ecommerce Website
By Dennis Ivanov
30% Positive Feedback (12 Votes)

Yoga Vive
By Dennis Ivanov
98% Positive Feedback (51 Votes)

Code Sniper
By Dennis Ivanov
75% Positive Feedback (80 Votes)

the changes in title, voting ratios, total votes and the table at the top of the pages is almost gone since we removed the main elements.

To include the individual images for each project we include the project image variable. Change:

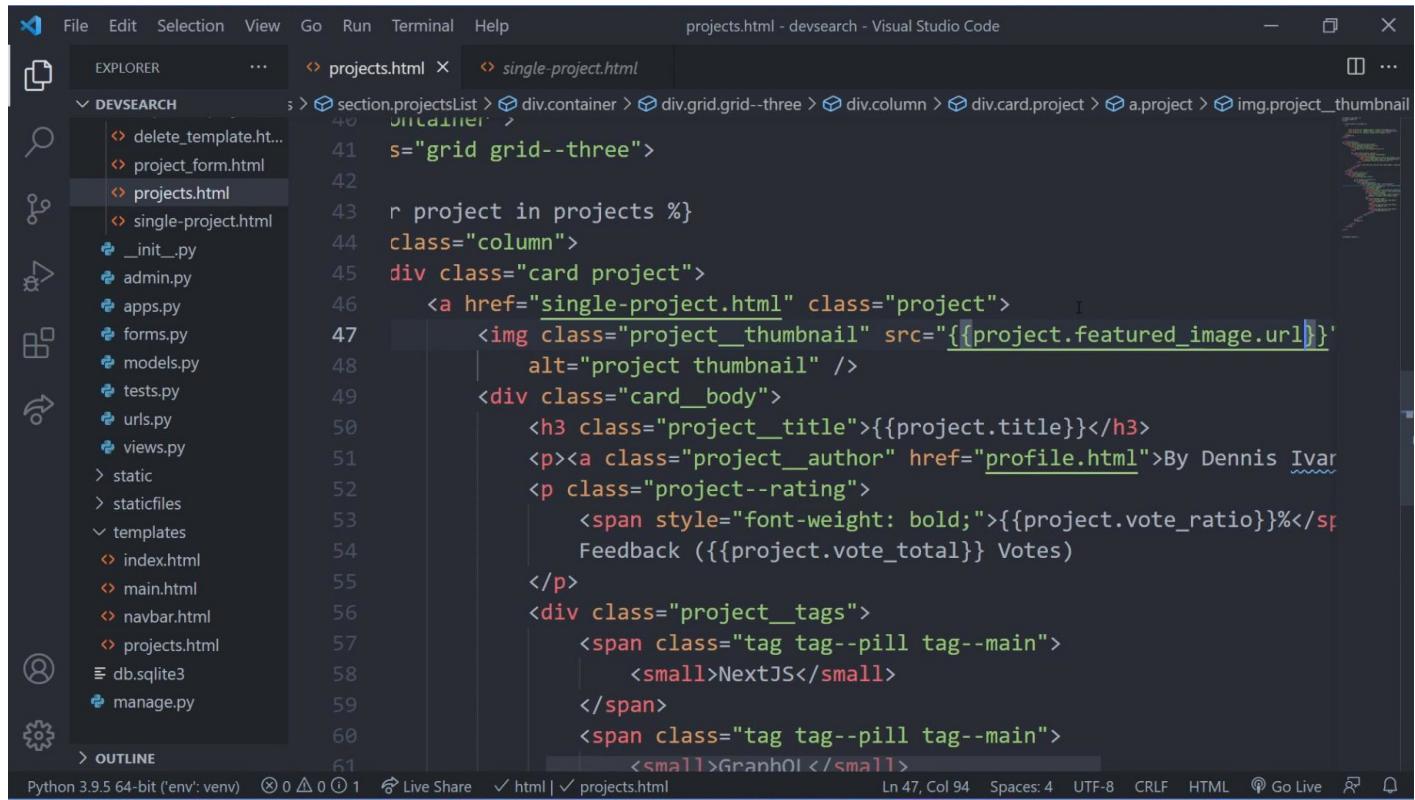


```

File Edit Selection View Go Run Terminal Help
• projects.html - devsearch - Visual Studio Code
EXPLORER ... > projects.html > single-project.html
DEVSERACH
delete_template.html
project_form.html
projects.html
single-project.html
__init__.py
admin.py
apps.py
forms.py
models.py
tests.py
urls.py
views.py
> static
> staticfiles
> templates
index.html
main.html
navbar.html
projects.html
db.sqlite3
manage.py
OUTLINE
Python 3.9.5 64-bit ('env': venv) ⚡ 0 ⚡ 0 ⚡ 0 ⚡ 1 Live Share ✓ html | ✓ projects.html Ln 47, Col 88 (20 selected) Spaces: 4 UTF-8 CRLF HTML ⚡ Go Live ⚡
41 <div class="grid grid--three">
42
43   &#123; projects %&#123;
44     &#123; project &#123;
45       &#123; card project &#123;
46         &#123; single-project.html &#123; project &#123;
47           &#123; class="project_thumbnail" src="{{images/project-a.png}}}" alt="project th
48           /&#123; card_body &#123;
49             &#123; h3 class="project_title">{{project.title}}&#123;/h3>
50             &#123; p class="project_author" href="profile.html">By Dennis Ivanov</a>&#123;/p>
51             &#123; p class="project--rating"&#123;
52               &#123; span style="font-weight: bold;"&#123;{{project.vote_ratio}}%&#123;/span> Positi
53               Feedback {{project.vote_total}} Votes
54             &#123;/p>
55             &#123; div class="project_tags"&#123;
56               &#123; span class="tag tag--pill tag--main"&#123;
57                 &#123; small>NextJS</small>
58               &#123;/span>
59               &#123; span class="tag tag--pill tag--main"&#123;
60                 &#123; small>GraphQL</small>
61             &#123;/span>

```

to

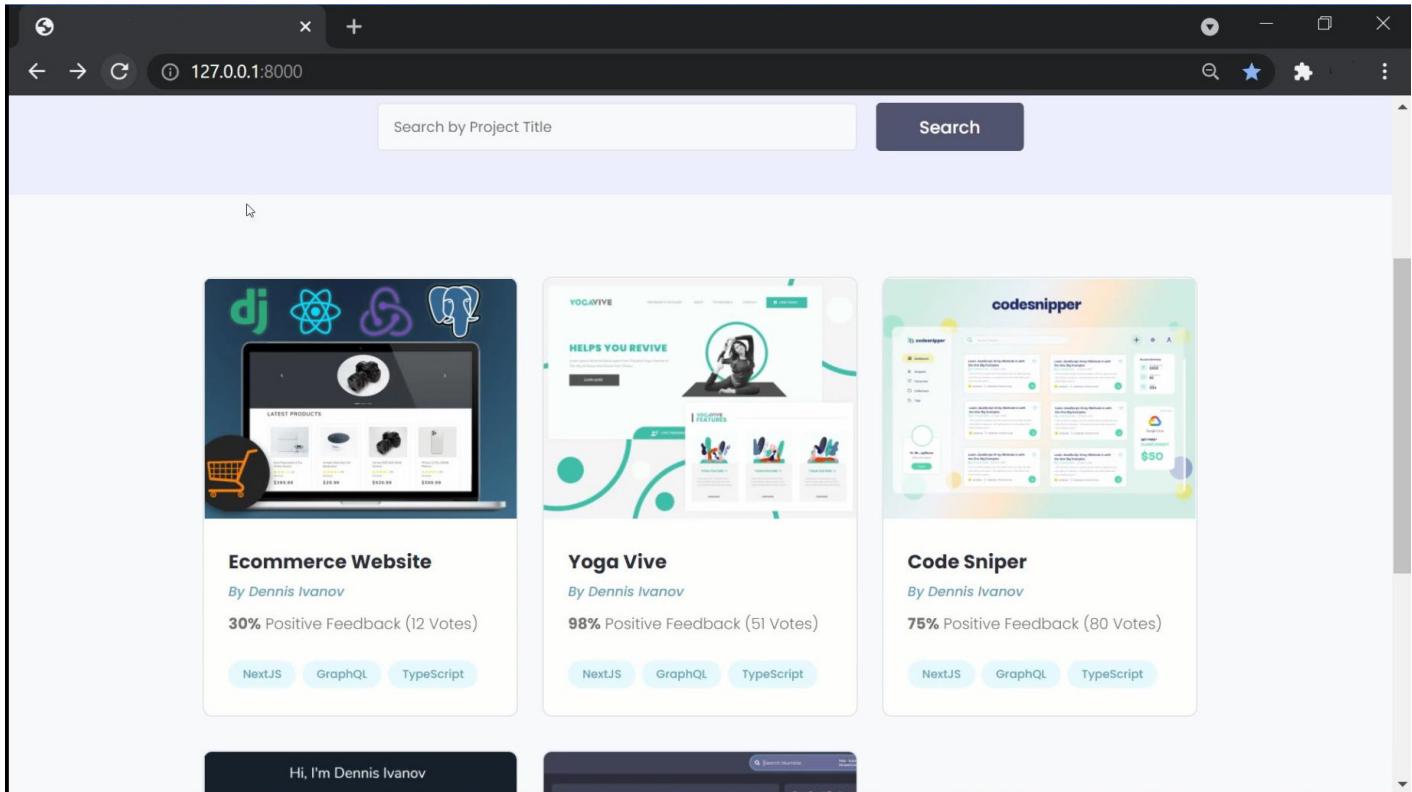


```

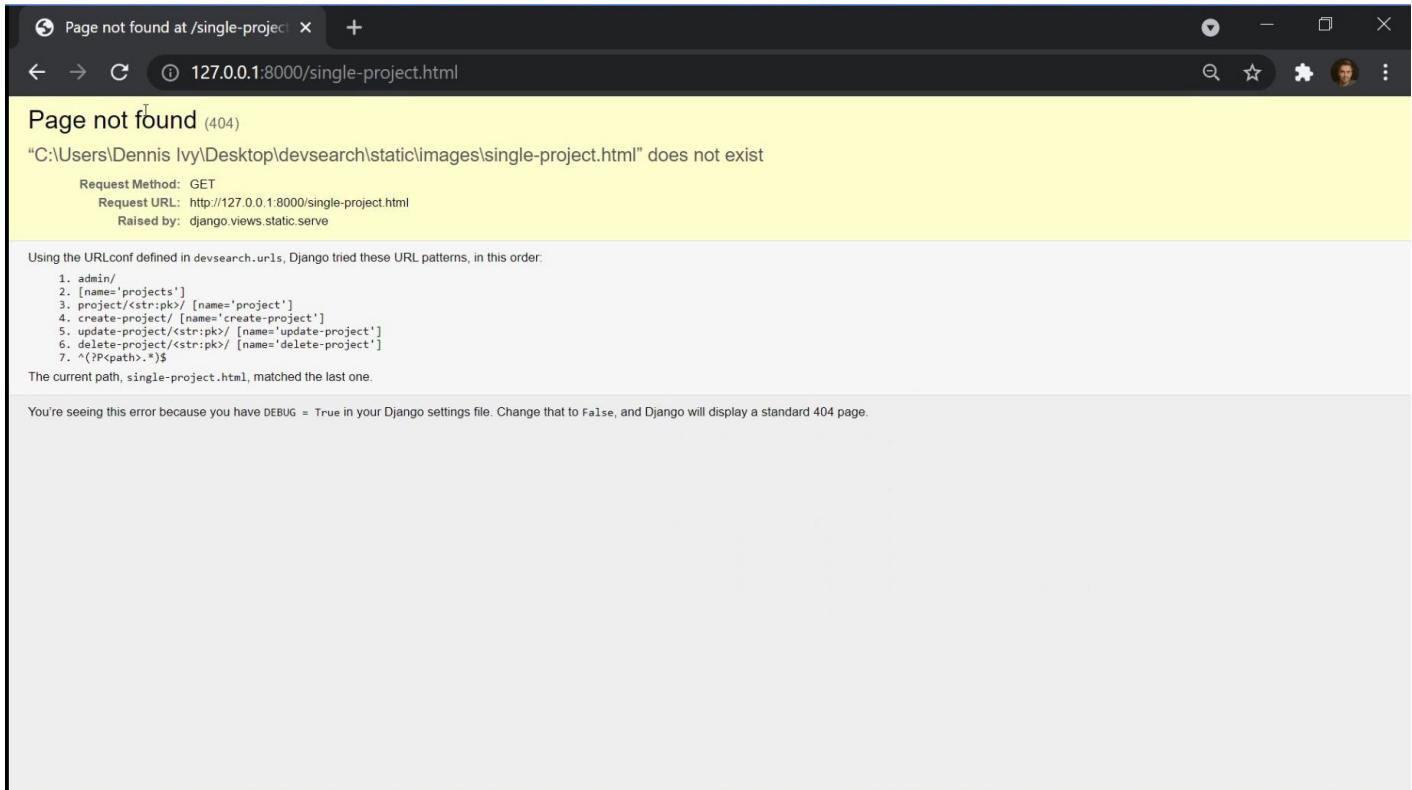
File Edit Selection View Go Run Terminal Help
• projects.html - devsearch - Visual Studio Code
EXPLORER ... > projects.html > single-project.html
DEVSERACH
delete_template.html
project_form.html
projects.html
single-project.html
__init__.py
admin.py
apps.py
forms.py
models.py
tests.py
urls.py
views.py
> static
> staticfiles
> templates
index.html
main.html
navbar.html
projects.html
db.sqlite3
manage.py
OUTLINE
Python 3.9.5 64-bit ('env': venv) ⚡ 0 ⚡ 0 ⚡ 0 ⚡ 1 Live Share ✓ html | ✓ projects.html Ln 47, Col 94 Spaces: 4 UTF-8 CRLF HTML ⚡ Go Live ⚡
41 <div class="grid">
42
43   &#123; project in projects %&#123;
44     &#123; column &#123;
45       &#123; card project &#123;
46         &#123; a href="single-project.html" class="project"&#123;
47           &#123; img class="project_thumbnail" src="{{project.featured_image.url}}}"
48             alt="project thumbnail" />
49         &#123;/a>
50         &#123; div class="card_body"&#123;
51           &#123; h3 class="project_title">{{project.title}}&#123;/h3>
52           &#123; p class="project_author" href="profile.html">By Dennis Ivar
53           &#123; p class="project--rating"&#123;
54             &#123; span style="font-weight: bold;"&#123;{{project.vote_ratio}}%&#123;/span> Positi
55             Feedback {{project.vote_total}} Votes
56           &#123;/p>
57           &#123; div class="project_tags"&#123;
58             &#123; span class="tag tag--pill tag--main"&#123;
59               &#123; small>NextJS</small>
60             &#123;/span>
61             &#123; span class="tag tag--pill tag--main"&#123;
62               &#123; small>GraphQL</small>
63             &#123;/span>

```

refresh the page and you should be able to see each project image on the card:

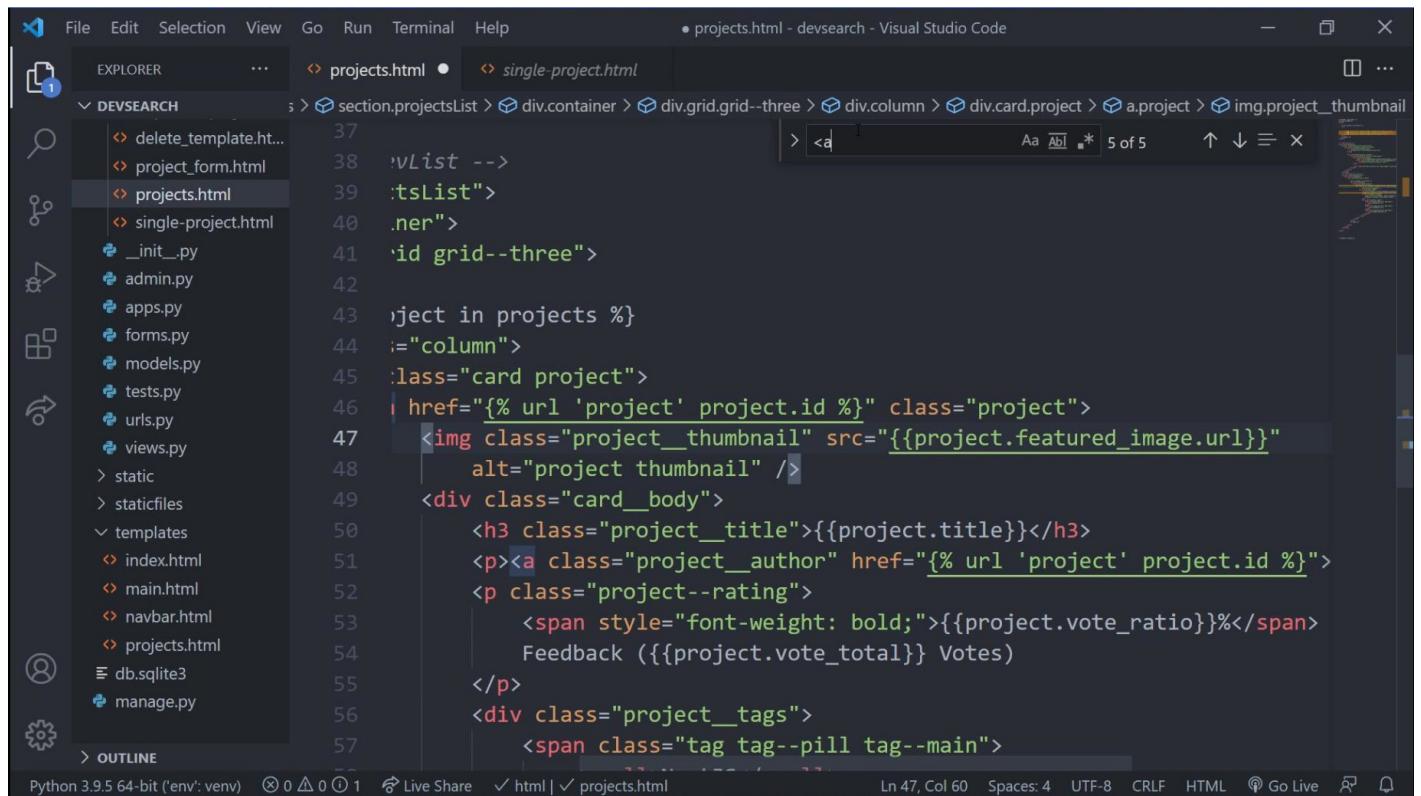


Try to click on one of the images. You should get redirected to an error page:



The error is because we haven't inserted the corresponding hyperlink to the corresponding project page.

Modify the corresponding reference in as shown for the line 46 and for the time being until we can place the author in the card on line 51 as shown below:



The screenshot shows the Visual Studio Code interface. The left sidebar contains a tree view of project files, including Python scripts like `__init__.py`, `admin.py`, `apps.py`, `forms.py`, `models.py`, `tests.py`, `urls.py`, and `views.py`; static files like `static` and `staticfiles`; templates like `index.html`, `main.html`, `navbar.html`, and `projects.html`; and database files like `db.sqlite3`. The main editor area displays the `single-project.html` file, which is an HTML template for a project card. The code includes a navigation bar, a sidebar with a search bar, and a main content area with a card for a single project. The project card contains a thumbnail image (`img.project_thumbnail`), the project title (`project.title`), the project author (`project.author`), the project rating (`project.rating`), and the project's vote total (`project.vote_total`). The sidebar also shows a preview of the project card and some status indicators at the bottom.

Test your page by clicking on the project's image and author which is supposed to take you to the individual project's page.