



HTML

Hypertext Markup

Language

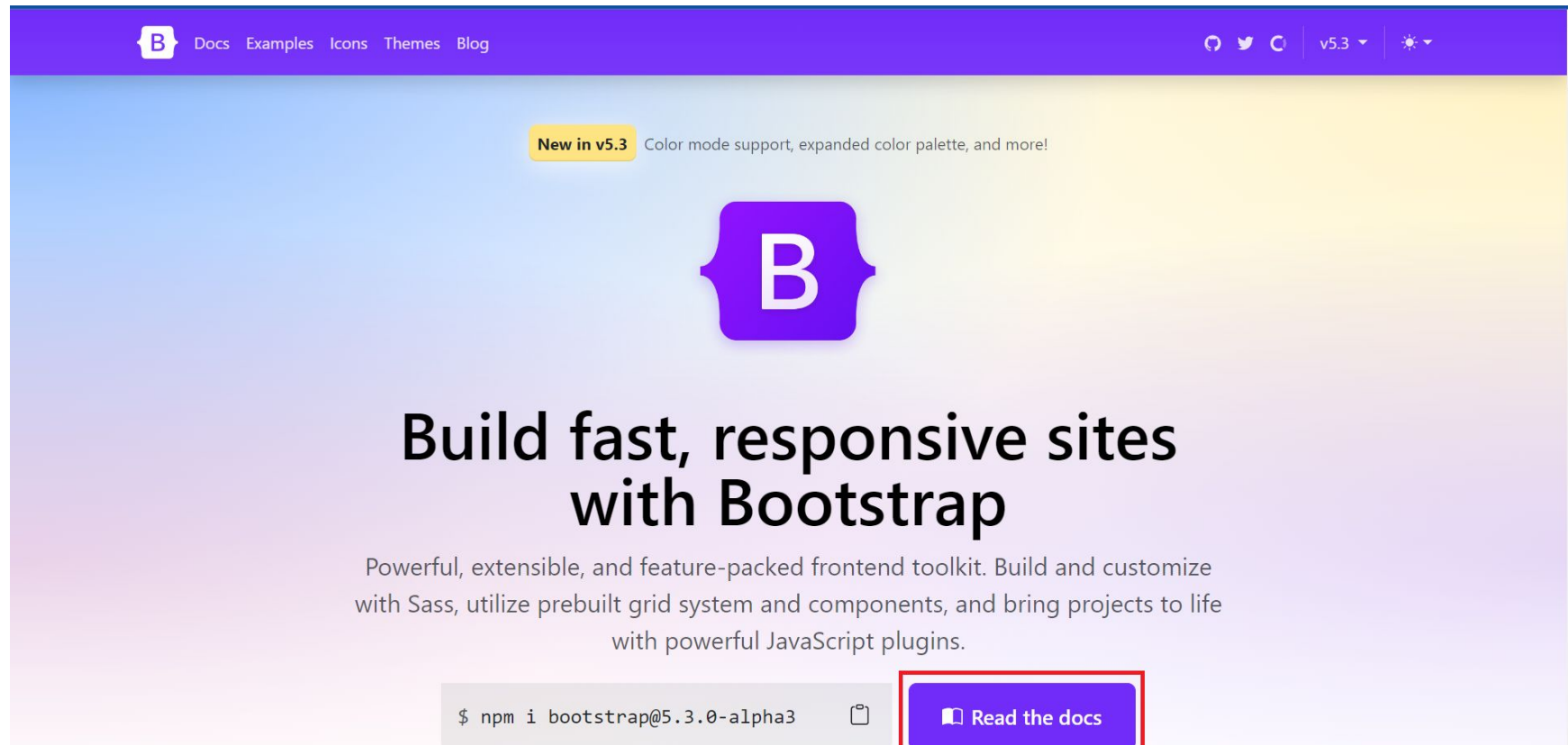
Class # 3

HTML Bootstrap

Bootstrap is a popular front-end framework that provides pre-designed CSS (Cascading Style Sheets) and JavaScript components. It helps developers build responsive and mobile-first websites more easily by offering a collection of ready-to-use UI (User Interface) elements like buttons, forms, navigation bars, grids, and more.

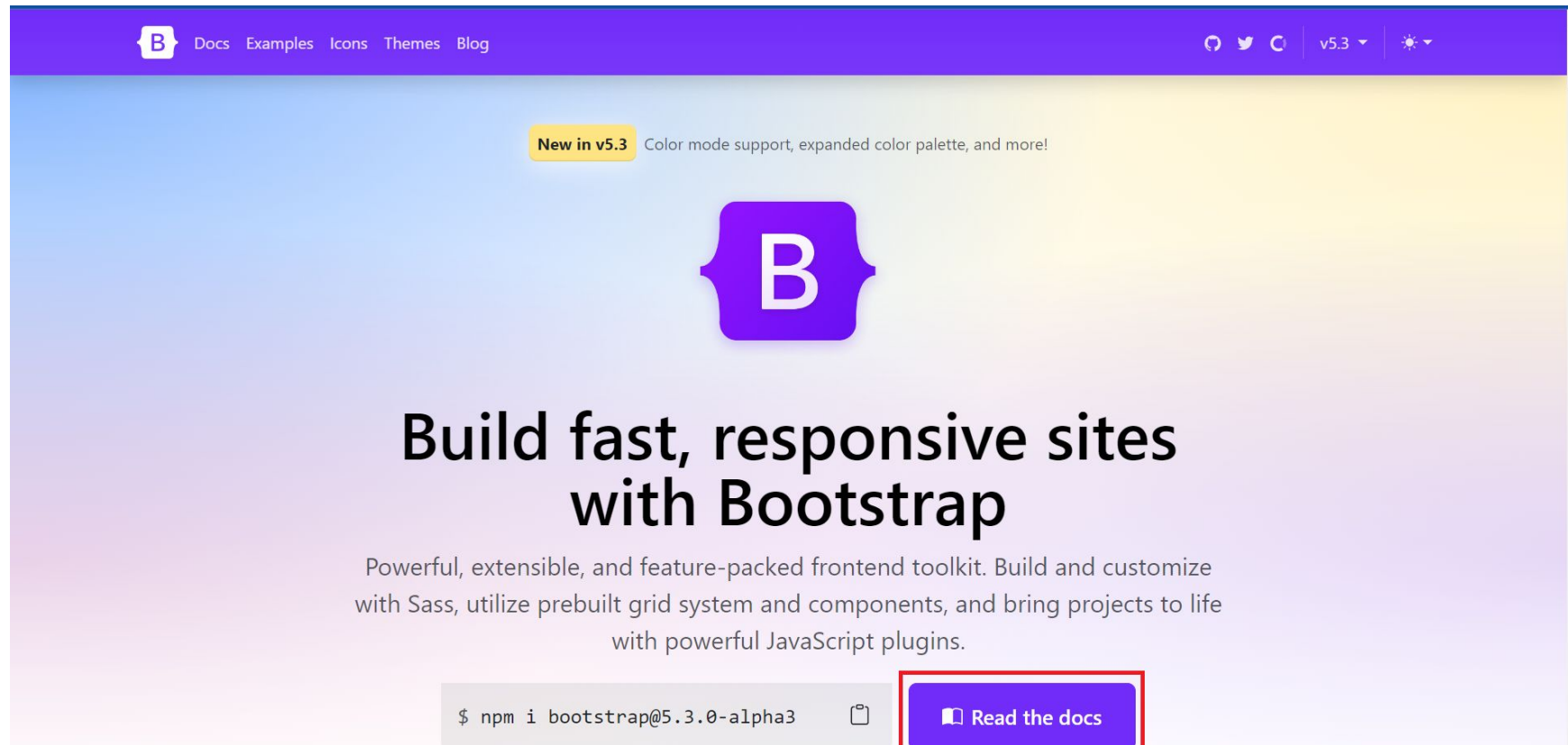
HTML Bootstrap

Go to website <https://getbootstrap.com/> . Click on Read the docs



HTML Bootstrap

After clicking on read the docs you will be redirected to this page



HTML Bootstrap

By scrolling down you will see the section includes's bootstrap CSS & JS.

The screenshot shows the Bootstrap 5.3.0 documentation page. The left sidebar contains a navigation menu with sections like 'Getting started' and 'Customize'. The main content area is titled '2. Include Bootstrap's CSS and JS.' and explains how to include Bootstrap's CSS and JavaScript. A code block shows the HTML structure for including Bootstrap. Red boxes highlight the CSS link and the JavaScript script tags. Red text annotations point to these links, stating 'Add this CSS link in HTML file' and 'Also Add this JS script in HTML File'.

2. Include Bootstrap's CSS and JS. Place the `<link>` tag in the `<head>` for our CSS, and the `<script>` tag for our JavaScript bundle (including Popper for positioning dropdowns, poppers, and tooltips) before the closing `</body>`. Learn more about our [CDN links](#).

```
<!doctype html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Bootstrap demo</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/css/bootstrap.min.css" rel="stylesheet">
  </head>
  <body>
    <h1>Hello, world!</h1>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/js/bootstrap.bundle.min.js"></script>
  </body>
</html>
```

You can also include [Popper](#) and our JS separately. If you don't plan to use dropdowns, popovers, or tooltips, save some kilobytes by not including Popper.

```
<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.7/dist/umd/popper.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/js/bootstrap.min.js"></script>
```

Add this CSS link in HTML file

Also Add this JS script in HTML File

HTML Bootstrap

```
index.html X uet.png # styles.css user.png install extension.png
index.html > html > body > script
1 <html lang="en">
2 <head>
3   <meta charset="UTF-8">
4   <meta http-equiv="X-UA-Compatible" content="IE=edge">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <link rel="icon" type="image/x-icon" href="user.png">
7   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/css/bootstrap.min.css" rel="stylesheet">
8   <title>Registration Form</title>
9 </head>
10 <body>
11
12
13   <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.7/dist/umd/popper.min.js" integrity="sha384-zY"
14   <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/js/bootstrap.min.js" integrity="sha384-y"
15 </body>
16 </html>
```

HTML Bootstrap Components

There are different components in HTML Bootstrap which you can use

- Navbars
- Containers
- Grids
- Columns Layout
- Cards
- Forms
- Carousel
- Dropdowns and many more

You can view all these components on the right sidebar of bootstrap website

HTML Bootstrap Navbar

Now lets create a navbar using HTML Bootstrap you can also search components on website

The screenshot displays the Bootstrap 5 documentation website. At the top, a purple navigation bar contains links for Docs, Examples, Icons, Themes, and Blog, along with a search bar and version information (v5.3). On the left, a sidebar lists various components, with 'Navbar' highlighted. The main content area shows a preview of a Bootstrap navbar with links for Home, Link, and a Dropdown menu, along with a search input. Below the preview, the HTML code for the navbar is displayed, with a red box highlighting the code and a 'Copy this code' button. The code includes the navbar structure, brand, toggler, and list items for Home, Link, and a Dropdown menu.

Navbar Home Link Dropdown Disabled Search Search

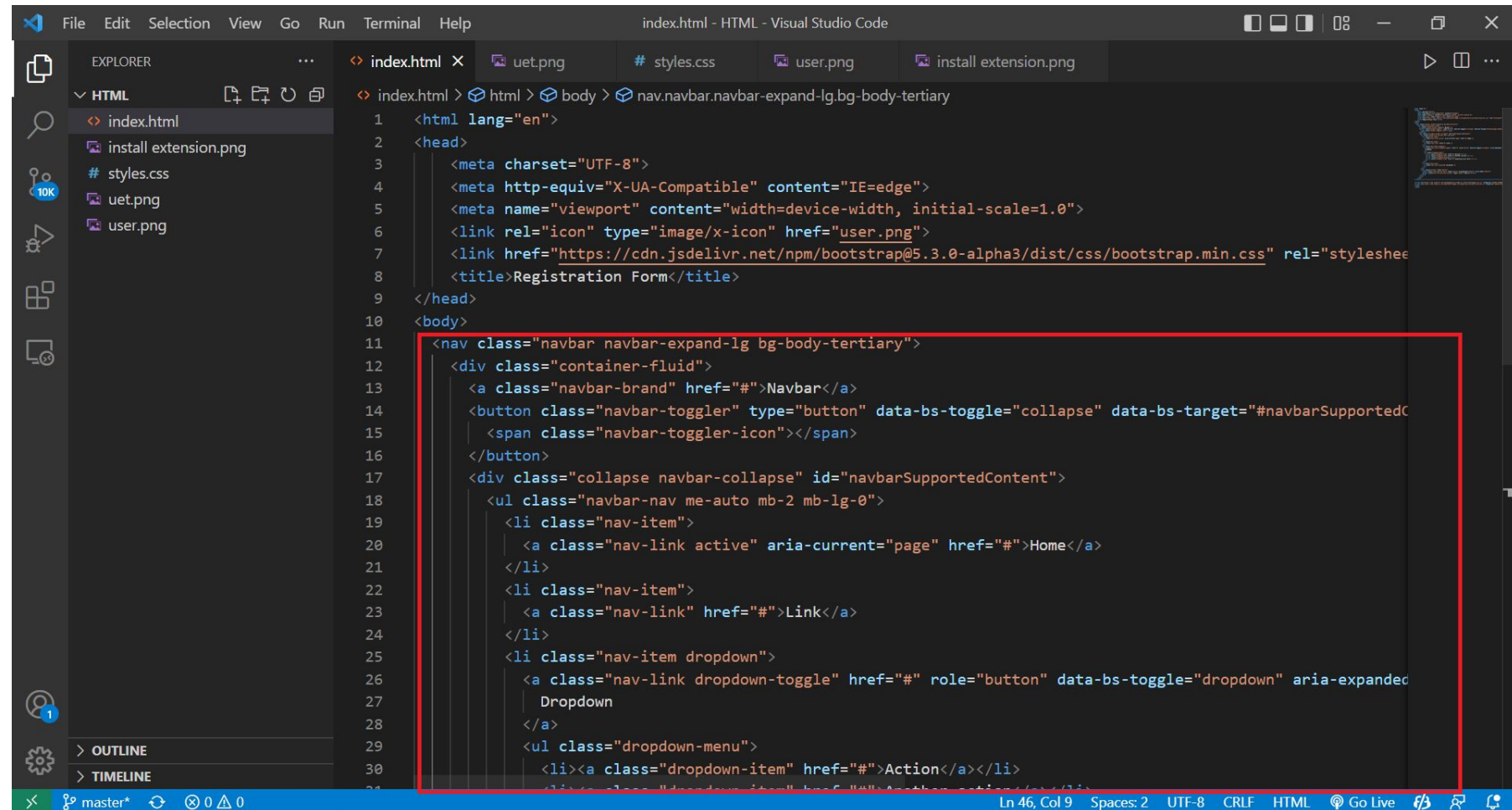
HTML

Copy this code

```
<nav class="navbar navbar-expand-lg bg-body-tertiary">
  <div class="container-fluid">
    <a class="navbar-brand" href="#">Navbar</a>
    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarCollapse">
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarCollapse">
      <ul class="navbar-nav me-auto mb-2 mb-lg-0">
        <li class="nav-item">
          <a class="nav-link active" aria-current="page" href="#">Home</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Link</a>
        </li>
        <li class="nav-item dropdown">
          <a class="nav-link dropdown-toggle" href="#" role="button" data-bs-toggle="collapse" data-bs-target="#dropdownMenu" aria-expanded="false">
            Dropdown
          </a>
          <ul class="dropdown-menu">
            <li><a href="#">Action</a></li>
            <li><a href="#">Another action</a></li>
            <li><a href="#">Something else here</a></li>
          </ul>
        </li>
      </ul>
    </div>
  </div>
</nav>
```


HTML Bootstrap Navbar

Paste this code in html file



The screenshot shows the Visual Studio Code editor with a file named `index.html` open. The Explorer sidebar on the left shows the file structure with `index.html` selected. The main editor area displays the HTML code for the navbar, which is highlighted with a red rectangle. The code includes the following elements:

```
1 <html lang="en">
2 <head>
3   <meta charset="UTF-8">
4   <meta http-equiv="X-UA-Compatible" content="IE=edge">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <link rel="icon" type="image/x-icon" href="user.png">
7   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/css/bootstrap.min.css" rel="stylesheet">
8   <title>Registration Form</title>
9 </head>
10 <body>
11   <nav class="navbar navbar-expand-lg bg-body-tertiary">
12     <div class="container-fluid">
13       <a class="navbar-brand" href="#">Navbar</a>
14       <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent">
15         <span class="navbar-toggler-icon"></span>
16       </button>
17       <div class="collapse navbar-collapse" id="navbarSupportedContent">
18         <ul class="navbar-nav me-auto mb-2 mb-lg-0">
19           <li class="nav-item">
20             <a class="nav-link active" aria-current="page" href="#">Home</a>
21           </li>
22           <li class="nav-item">
23             <a class="nav-link" href="#">Link</a>
24           </li>
25           <li class="nav-item dropdown">
26             <a class="nav-link dropdown-toggle" href="#" role="button" data-bs-toggle="dropdown" aria-expanded="false">
27               Dropdown
28             </a>
29             <ul class="dropdown-menu">
30               <li><a class="dropdown-item" href="#">Action</a></li>
31             </ul>
32           </li>
33         </ul>
34       </div>
35     </div>
36   </nav>
```

HTML Bootstrap Navbar

Here is the output of previous code. This is advantage of bootstrap.



HTML Bootstrap Crousel

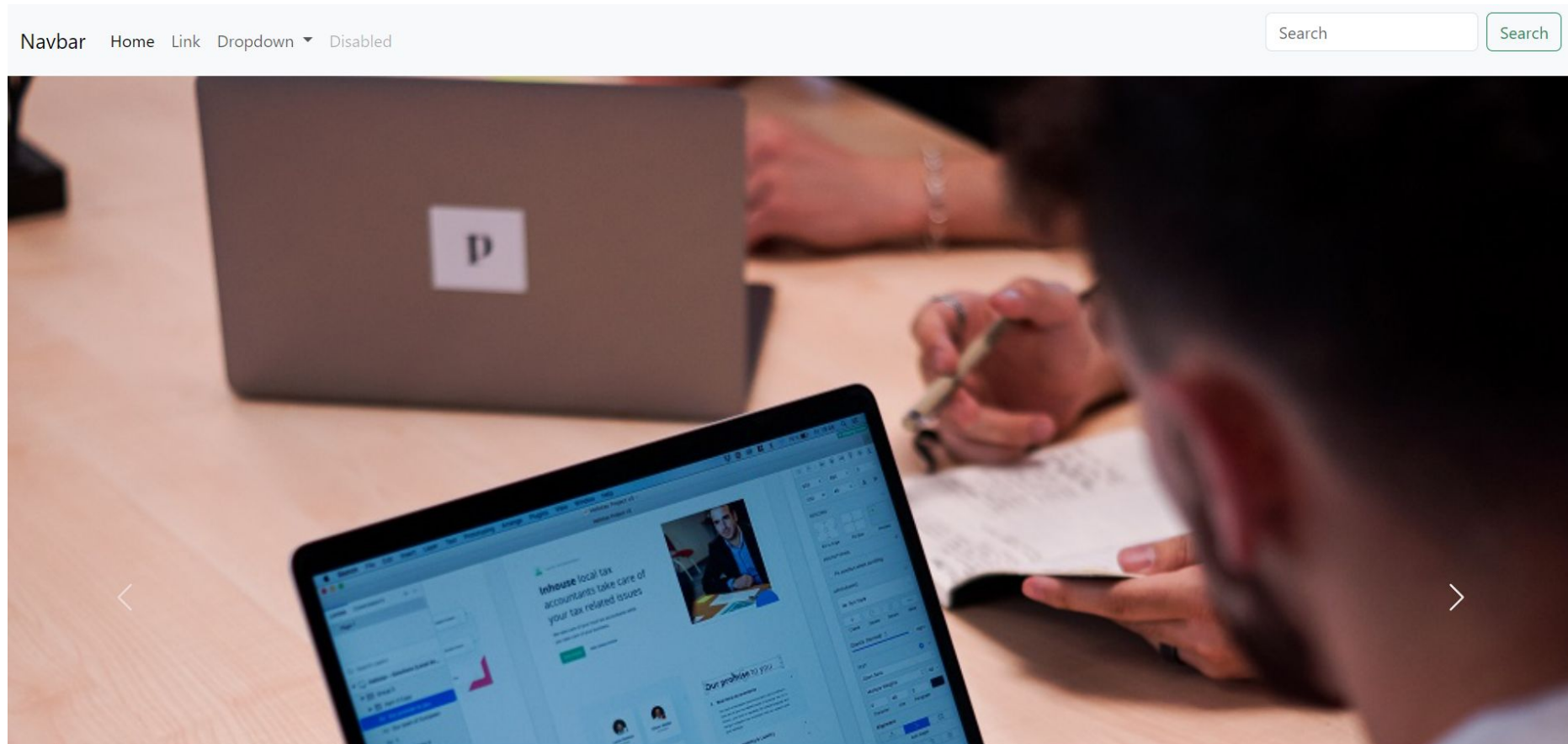
Now we add carousel below this navbar. Again go to the carousel component in the website copy the code and place it in html file below navbar.

```
<div id="carouselExample" class="carousel slide">
  <div class="carousel-inner">
    <div class="carousel-item active">
      
    </div>
    <div class="carousel-item">
      
    </div>
    <div class="carousel-item">
      
    </div>
  </div>
  <button class="carousel-control-prev" type="button" data-bs-target="#carouselExample" data-bs-slide="prev">
    <span class="carousel-control-prev-icon" aria-hidden="true"></span>
    <span class="visually-hidden">Previous</span>
  </button>
  <button class="carousel-control-next" type="button" data-bs-target="#carouselExample" data-bs-slide="next">
    <span class="carousel-control-next-icon" aria-hidden="true"></span>
    <span class="visually-hidden">Next</span>
  </button>
</div>
```

Change these picture path

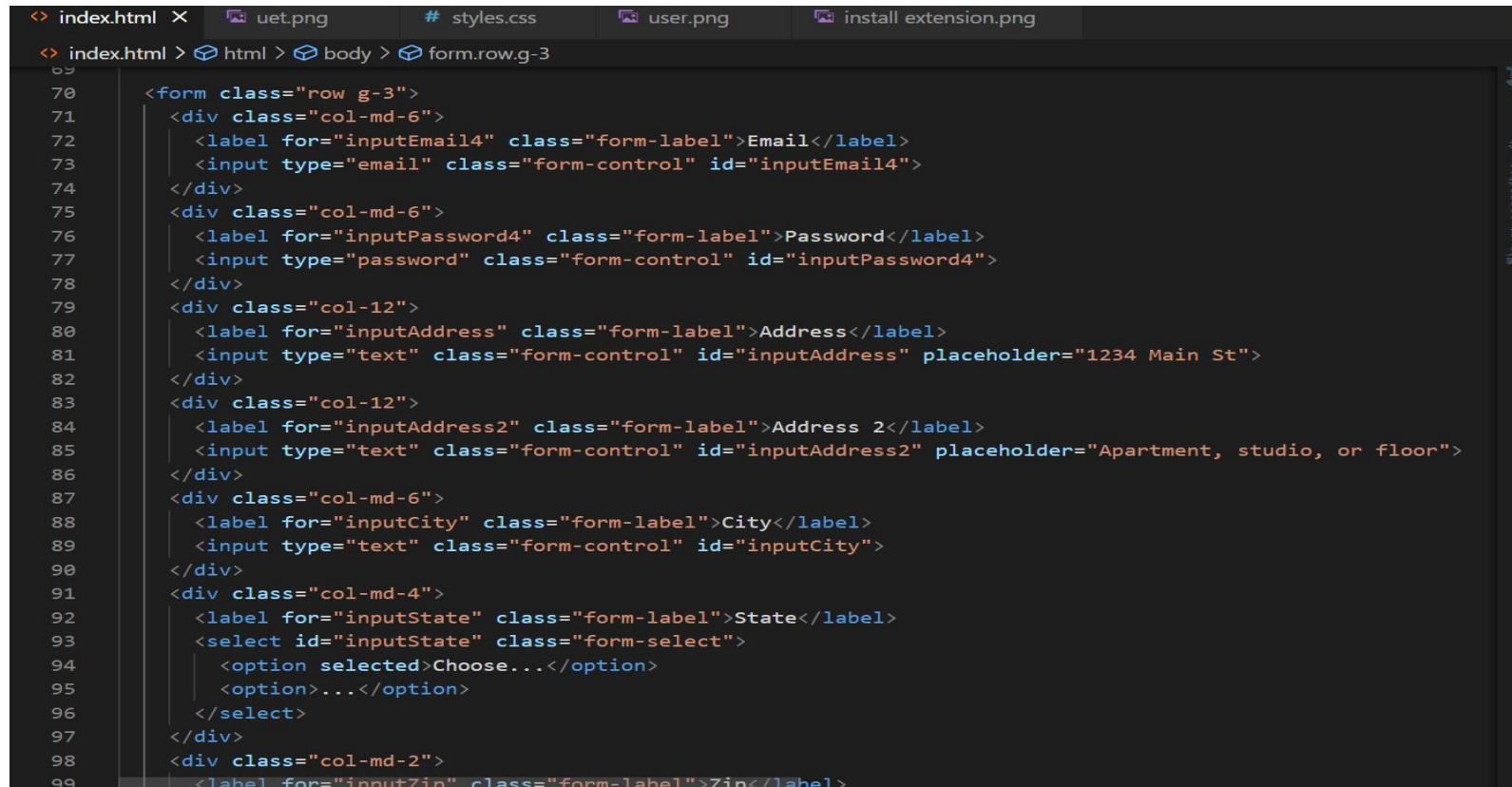
HTML Bootstrap Crousel

This is the output for previous code



HTML Bootstrap Form

Now lets create a form using HTML bootstrap. Go to Form Component of HTML Bootstrap website and under Forms go to Layout Tab there are many forms in it select one and copy its code

A screenshot of a code editor with a dark theme. The editor shows a file named 'index.html' with a breadcrumb path 'html > body > form.row.g-3'. The code is HTML for a Bootstrap form, using the 'row' and 'col' classes for layout. It includes input fields for Email, Password, Address, Address 2, City, State (a dropdown menu), and Zip. The code is as follows:

```
<form class="row g-3">
  <div class="col-md-6">
    <label for="inputEmail4" class="form-label">Email</label>
    <input type="email" class="form-control" id="inputEmail4">
  </div>
  <div class="col-md-6">
    <label for="inputPassword4" class="form-label">Password</label>
    <input type="password" class="form-control" id="inputPassword4">
  </div>
  <div class="col-12">
    <label for="inputAddress" class="form-label">Address</label>
    <input type="text" class="form-control" id="inputAddress" placeholder="1234 Main St">
  </div>
  <div class="col-12">
    <label for="inputAddress2" class="form-label">Address 2</label>
    <input type="text" class="form-control" id="inputAddress2" placeholder="Apartment, studio, or floor">
  </div>
  <div class="col-md-6">
    <label for="inputCity" class="form-label">City</label>
    <input type="text" class="form-control" id="inputCity">
  </div>
  <div class="col-md-4">
    <label for="inputState" class="form-label">State</label>
    <select id="inputState" class="form-select">
      <option selected>Choose...</option>
      <option>...</option>
    </select>
  </div>
  <div class="col-md-2">
    <label for="inputZip" class="form-label">Zip</label>
```

HTML Bootstrap Form

Output of previous code is

Email	Password	
<input type="text"/>	<input type="password"/>	

Address
<input type="text" value="1234 Main St"/>

Address 2
<input type="text" value="Apartment, studio, or floor"/>

City	State	Zip
<input type="text"/>	<input type="text" value="Choose..."/>	<input type="text"/>

☐ Check me out