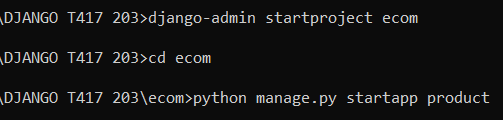
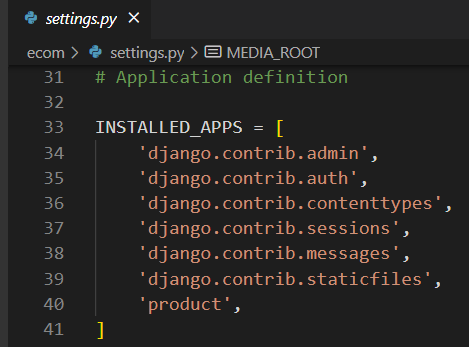
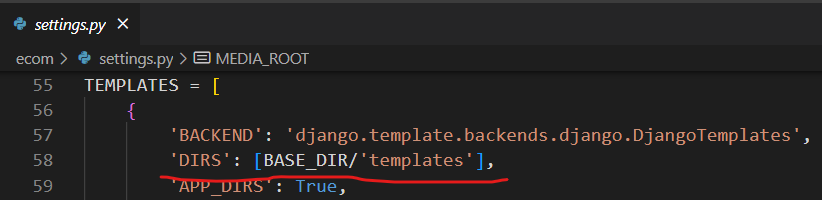
1. Create project and application



1. Open project in vs code
2. Register application in settings.py



1. Create templates folder and register in settings.py



Let’s understand the first part of project :

1. ***Authentication***

We will create navbar and there we provide option for login, register and logout

-If user is already authenticated then we will provide logout otherwise login or register in navbar

-We will create superuser -> python manage.py createsuperuser

-If the user is simple user then show ecom website.

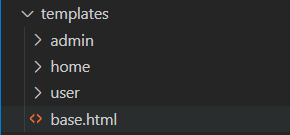
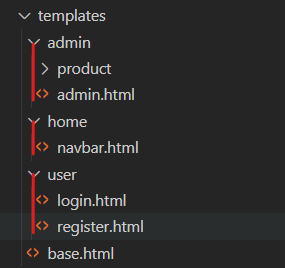
-If user is superuser then show admin panel

-The logic required for register, login, logout, home page and admin panel we will create views.py file in project level (i.e in ecom folder) *yes, it is possible to create views.py at project level*

-we will manage urls of above views at project level (i.e urls.py)

**Authentication:**

1. In templates folder, create following structure :

We will create templates file to add,update,view product later

1. Code for all html files

Here I have used concept of template inheritance

base.html

|  |
| --- |
| <!doctype html>  <html lang="en">    <head>      <meta charset="utf-8">      <meta name="viewport" content="width=device-width, initial-scale=1">      <title>Ecom</title>      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH" crossorigin="anonymous">      <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.11.3/font/bootstrap-icons.min.css">    </head>    <body>      {% include 'home/navbar.html' %}        {% block bodycontent %}      {% endblock bodycontent %}      <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz" crossorigin="anonymous"></script>    </body>  </html> |

navbar.html

|  |
| --- |
| <nav class="navbar navbar-expand-lg bg-body-tertiary">        <div class="container-fluid">          <a class="navbar-brand" href="#"><i class="bi bi-shop"></i> &nbsp; Ecom</a>          <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">            <span class="navbar-toggler-icon"></span>          </button>          <div class="collapse navbar-collapse" id="navbarSupportedContent">            <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 dropdown">                <a class="nav-link dropdown-toggle" href="#" role="button" data-bs-toggle="dropdown" aria-expanded="false">                  Category                </a>                <ul class="dropdown-menu">                  <li><a class="dropdown-item" href="#">Mobile</a></li>                  <li><hr class="dropdown-divider"></li>                  <li><a class="dropdown-item" href="#">Shoes</a></li>                  <li><hr class="dropdown-divider"></li>                  <li><a class="dropdown-item" href="#">Clothes</a></li>                </ul>              </li>              <li class="nav-item dropdown">                <a class="nav-link dropdown-toggle" href="#" role="button" data-bs-toggle="dropdown" aria-expanded="false">                  Sort By                </a>                <ul class="dropdown-menu">                  <li><a class="dropdown-item" href="#">Price Low to High</a></li>                  <li><hr class="dropdown-divider"></li>                  <li><a class="dropdown-item" href="#">Price High to Low</a></li>                </ul>              </li>              <li class="nav-item dropdown">                <a class="nav-link dropdown-toggle" href="#" role="button" data-bs-toggle="dropdown" aria-expanded="false">                  Price                </a>                <ul class="dropdown-menu">                  <form role="search" class="m-2">                    <input class="form-control me-2 mb-2" type="search" placeholder="min" >                    <input class="form-control me-2 mb-2" type="search" placeholder="max" >                    <button class="btn btn-outline-primary w-100" type="submit">Find</button>                  </form>                </ul>              </li>            </ul>            <div>                  <ul class="navbar-nav me-auto mb-2 mb-lg-0">              {% if user.is\_authenticated %}                <li class="nav-item">                  <a class="nav-link active" aria-current="page" href="/logout">Logout</a>                </li>              {% else %}                <li class="nav-item">                  <a class="nav-link active" aria-current="page" href="/login">Login</a>                </li>                <li class="nav-item">                  <a class="nav-link active" aria-current="page" href="/register">Register</a>                </li>                  {% endif %}              </ul>            </div>          </div>        </div>      </nav> |

login.html

|  |
| --- |
| {% extends 'base.html' %}  {% block bodycontent %}  <div class="d-flex justify-content-center mt-5">    <form class="w-50" method="POST">      {% csrf\_token %}      <h1>Login Here</h1>      {% if  error\_msg %}      <div class="form-text text-danger">        {{error\_msg}}      </div>      {% endif %}      <div class="mb-3">        <label for="username" class="form-label">Username</label>        <input type="text" class="form-control" id="username" name="username">      </div>      <div class="mb-3">        <label for="password" class="form-label">Password</label>        <input type="password" class="form-control" id="password" name="password">      </div>      <button type="submit" class="btn btn-primary w-100">Submit</button>    </form>  </div>   {% endblock bodycontent %} |

register.html

|  |
| --- |
| {% extends 'base.html' %}  {% block bodycontent %}  <div class="d-flex justify-content-center mt-5">    <form class="w-50" method="POST">      {% csrf\_token %}      <h1>Register Here</h1>      {% if  error\_msg %}      <div class="form-text text-danger">        {{error\_msg}}      </div>      {% endif %}      <div class="mb-3">        <label for="username" class="form-label">Username</label>        <input type="text" class="form-control" id="username" name="username">      </div>      <div class="mb-3">        <label for="password" class="form-label">Password</label>        <input type="password" class="form-control" id="password" name="password">      </div>      <div class="mb-3">        <label for="password2" class="form-label">Confirm Password</label>        <input type="password" class="form-control" id="password2" name="password2">      </div>      <button type="submit" class="btn btn-primary w-100">Submit</button>    </form>  </div>   {% endblock bodycontent %} |

admin.html

|  |
| --- |
| <!doctype html>  <html lang="en">    <head>      <meta charset="utf-8">      <meta name="viewport" content="width=device-width, initial-scale=1">      <title>Ecom</title>      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH" crossorigin="anonymous">      <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.11.3/font/bootstrap-icons.min.css">      <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.11.3/font/bootstrap-icons.min.css">     </head>    <body>     <nav class="navbar navbar-expand-lg bg-body-tertiary">        <div class="container-fluid">          <a class="navbar-brand" href="/admin"><i class="bi bi-shop"></i> &nbsp; Hello Admin</a>          <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">            <span class="navbar-toggler-icon"></span>          </button>          <div class="collapse navbar-collapse" id="navbarSupportedContent">            <ul class="navbar-nav me-auto mb-2 mb-lg-0">            </ul>            <div>              <ul class="navbar-nav me-auto mb-2 mb-lg-0">                 <li class="nav-item">                    <a class="nav-link active" aria-current="page" href="#">View Product</a>                  </li>                 <li class="nav-item">                  <a class="nav-link active" aria-current="page" href="#">Add Product</a>                </li>                <li class="nav-item">                  <a class="nav-link active" aria-current="page" href="/logout">Logout</a>                </li>              </ul>            </div>          </div>        </div>      </nav>      {% block adminbodycontent %}      {% endblock adminbodycontent %}      <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz" crossorigin="anonymous"></script>    </body>  </html> |

1. ***Admin panel***

Here we will create admin panel to add, update, delete , and show products

-admin is responsible to perform CRUD operation on product so we will create all template files regarding the product inside : templates > admin > product folder

1. Create following files and folders in templates folder (we may change this structure according to our req)