

## How to use bootstrap in django framework?

In the command prompt, ensure your virtual environment is active, and execute the following command:

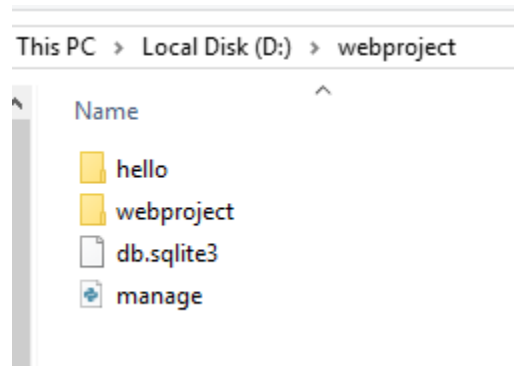
Step 1:-

```
D:\>env\Scripts\activate  
(env) D:\>django-admin startproject webproject
```

Step 2:-

```
(env) D:\>cd webproject  
(env) D:\webproject>python manage.py startapp hello
```

After it your project structure will be like this :-



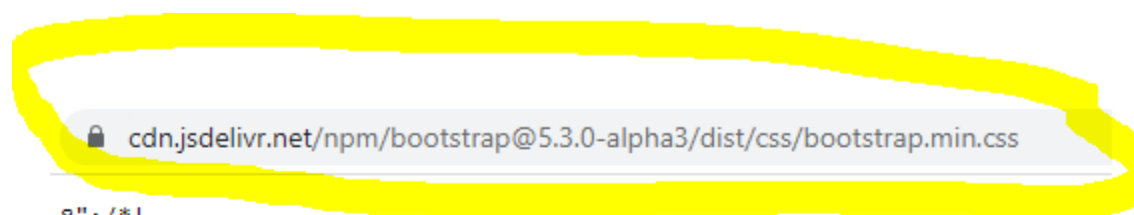
First of all download bootstrap css file from cdn network link given below

<https://getbootstrap.com/docs/5.3/getting-started/introduction/>

from here we will copy bootstrap.min.css file link and open any browser and paste this url

<https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/css/bootstrap.min.css>

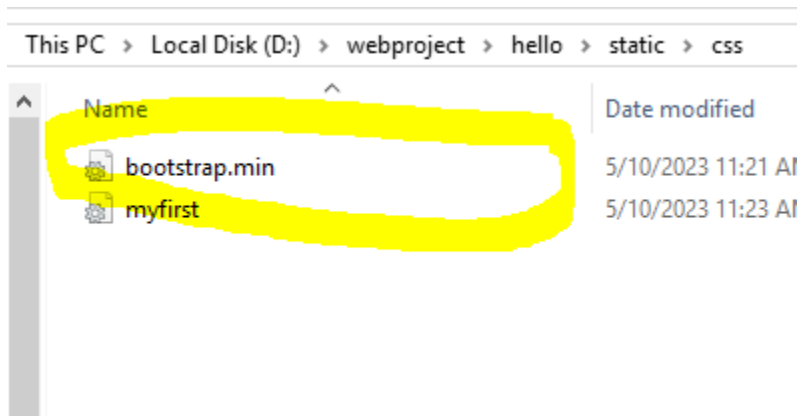
when you open this link then you will see following



```
-8";/!*  
v5.3.0-alpha3 (https://getbootstrap.com/)  
2011-2023 The Bootstrap Authors  
nder MIT (https://github.com/twbs/bootstrap/blob/main/LICENSE)  
a-bs-theme=light]{--bs-blue:#0d6efd;--bs-indigo:#6610f2;--bs-purple:#6f42c1  
4;--bs-yellow:#ffc107;--bs-green:#198754;--bs-teal:#20c997;--bs-cyan:#0dcaf  
--bs-gray-dark:#343a40;--bs-gray-100:#f8f9fa;--bs-gray-200:#e9ecef;--bs-gra  
-bs-gray-600:#6c757d;--bs-gray-700:#495057;--bs-gray-800:#343a40;--bs-gray-  
757d;--bs-success:#198754;--bs-info:#0dcaf0;--bs-warning:#ffc107;--bs-dange  
b:13,110,253;--bs-secondary-rgb:108,117,125;--bs-success-rgb:25,135,84;--bs-  
:220,53,69;--bs-light-rgb:248,249,250;--bs-dark-rgb:33,37,41;--bs-primary-t  
f32;--bs-success-text-emphasis:#0a3622;--bs-info-text-emphasis:#055160;--bs-  
51c;--bs-light-text-emphasis:#495057;--bs-dark-text-emphasis:#495057;--bs-  
5;--bs-success-bg-subtle:#d1e7dd;--bs-info-bg-subtle:#cfff4fc;--bs-warning-b  
ubtle:#fcfcfd;--bs-dark-bg-subtle:#ced4da;--bs-primary-border-subtle:#9ec5f  
r-subtle:#a3c9bb;--bs-info-border-subtle:#9eeaf9;--bs-warning-border-subtle  
subtle:#e9ecef;--bs-dark-border-subtle:#adb5bd;--bs-white-rgb:255,255,255;-  
tem,"Segoe UI",Roboto,"Helvetica Neue","Noto Sans","Liberation Sans",Arial,  
UI Symbol","Noto Color Emoji";--bs-font-monospace:SFMono-Regular,Menlo,Mo  
a;--bs-gradient:linear-gradient(180deg, rgba(255, 255, 255, 0.15), rgba(255
```

After it save it (press ctrl + s)

And save this file **bootstrap.min.css** file inside your static folder of your hello (app folder ) as shown below inside css folder.



Step 3:- open settings.py file of your **webproject** folder and add 'hello', as shown below :-

```
ALLOWED_HOSTS = []

# Application definition

INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'hello',
]

MIDDLEWARE = [
    'django.middleware.security.SecurityMiddleware',
    'django.contrib.sessions.middleware.SessionMiddleware',
    'django.middleware.common.CommonMiddleware',
    'django.middleware.csrf.CsrfViewMiddleware',
    'django.contrib.auth.middleware.AuthenticationMiddleware',
    'django.contrib.messages.middleware.MessageMiddleware',
    'django.middleware.clickjacking.XFrameOptionsMiddleware',
]

ROOT_URLCONF = 'webproject.urls'
```

**Step 4:-urls.py file code of your webproject folder :-**

```
from django.contrib import admin
from django.urls import path,include

urlpatterns = [
    path('hello/', include('hello.urls')),
    path('admin/', admin.site.urls),
]
```

**Step 5:- views.py file code of your hello app folder :-**

```
from django.shortcuts import render

# Create your views here.
def about(request):
    return render(request, 'about.html')

def index(request):
    return render(request, 'index.html')
```

**step 6: create urls.py file inside your hello app folder :-**

```
from django.urls import path
from . import views

urlpatterns = [
    path('', views.index, name='index'),

    path('about/', views.about, name='about'),
]
```

**Step 7:- inside your hello app folder create templates folder and under templates folder create index.html file :-**

```
{% load static %}
<!DOCTYPE html>
<html>
<link rel="stylesheet" href="{% static 'css/myfirst.css' %}">
<link rel="stylesheet" href="{% static 'css/bootstrap.min.css' %}">
<body>
<div class="container">

<div class="row">
  {% include 'header.html' %}
  <form>
    <div class="row mb-3">
      <label for="inputEmail3" class="col-sm-2 col-form-label">Email</label>
      <div class="col-sm-10">
        <input type="email" class="form-control" id="inputEmail3">
      </div>
    </div>
    <div class="row mb-3">
      <label for="inputPassword3" class="col-sm-2 col-form-label">Password</label>
      <div class="col-sm-10">
        <input type="password" class="form-control" id="inputPassword3">
      </div>
    </div>

    <button type="submit" class="btn btn-primary">Sign in</button>
  </form>

</div>
  {% include 'footer.html' %}
</div>
</body>
</html>
```

### about.html file:-

```
{% load static %}
<!DOCTYPE html>
<html>
<link rel="stylesheet" href="{% static 'css/bootstrap.min.css' %}">
<body>
  <div class="container">
    <div class="row">
      {% include 'header.html' %}

      <h1>About Page </h1>
    </div>
    {% include 'footer.html' %}
  </div>
</body>
</html>
```

### header.html file code:-

```
<!-- A grey horizontal navbar that becomes vertical on small screens -->
<nav class="navbar navbar-expand-sm bg-light">

  <div class="container-fluid">
    <!-- Links -->
    <ul class="navbar-nav">
      <li class="nav-item">
        <a class="nav-link" href="{% url 'index' %}">Home</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="{% url 'about' %}">About</a>
      </li>
    </ul>
  </div>
</nav>
```

footer.html file code:-

```
<footer class="row row-cols-1 row-cols-sm-2 row-cols-md-5 py-5 my-5 border-top">
  <div class="col mb-3">
    <a href="/" class="d-flex align-items-center mb-3 link-dark text-decoration-none">
      <svg class="bi me-2" width="40" height="32"><use
xlink:href="#bootstrap"/></svg>
    </a>
    <p class="text-muted">&copy; 2023</p>
  </div>

  <div class="col mb-3">

</div>

  <div class="col mb-3">
    <h5>Section</h5>
    <ul class="nav flex-column">
      <li class="nav-item mb-2"><a href="#" class="nav-link p-0 text-muted">Home</a></li>
      <li class="nav-item mb-2"><a href="#" class="nav-link p-0 text-muted">Features</a></li>
      <li class="nav-item mb-2"><a href="#" class="nav-link p-0 text-muted">Pricing</a></li>
      <li class="nav-item mb-2"><a href="#" class="nav-link p-0 text-muted">FAQs</a></li>
      <li class="nav-item mb-2"><a href="#" class="nav-link p-0 text-muted">About</a></li>
    </ul>
  </div>

  <div class="col mb-3">
    <h5>Section</h5>
    <ul class="nav flex-column">
      <li class="nav-item mb-2"><a href="#" class="nav-link p-0 text-muted">Home</a></li>
```

```
    <li class="nav-item mb-2"><a href="#" class="nav-link p-0 text-
muted">Features</a></li>
    <li class="nav-item mb-2"><a href="#" class="nav-link p-0 text-
muted">Pricing</a></li>
    <li class="nav-item mb-2"><a href="#" class="nav-link p-0 text-
muted">FAQs</a></li>
    <li class="nav-item mb-2"><a href="#" class="nav-link p-0 text-
muted">About</a></li>
  </ul>
</div>

<div class="col mb-3">
  <h5>Section</h5>
  <ul class="nav flex-column">
    <li class="nav-item mb-2"><a href="#" class="nav-link p-0 text-
muted">Home</a></li>
    <li class="nav-item mb-2"><a href="#" class="nav-link p-0 text-
muted">Features</a></li>
    <li class="nav-item mb-2"><a href="#" class="nav-link p-0 text-
muted">Pricing</a></li>
    <li class="nav-item mb-2"><a href="#" class="nav-link p-0 text-
muted">FAQs</a></li>
    <li class="nav-item mb-2"><a href="#" class="nav-link p-0 text-
muted">About</a></li>
  </ul>
</div>
</footer>
</div>
```

After it run it as shown below using command :-

```
(env) D:\webproject>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).

You have 18 unapplied migration(s). Your project may not work
auth, contenttypes, sessions.
Run 'python manage.py migrate' to apply them.
May 10, 2023 - 11:19:16
Django version 4.1.2, using settings 'webproject.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

And you will see output:-

In your browser just type:-

localhost:8000/hello/

