1. Create your project folder
2. Now we can create our virtual environment 🡺 (python -m venv venv)
3. Then activate the VE 🡺 (.\venv\Scripts\activate)
4. Then install Django 🡺 (pip install Django)
5. Then install Django 🡺 (pip install djangorestframework)
6. Create Django project 🡺 (django-admin startproject backend .)
7. Create app in django project 🡺 (python manage.py startapp app)
8. Go to setting .py and add app to instulled\_App and same for rest\_framework
9. To merge angular with django you should install in django 🡺 pip install django-cors-headers

Then add it to app in setting.py as follow:  
INSTALLED\_APPS = [

'corsheaders',

]

Then add it to middleware :

MIDDLEWARE = [

'corsheaders.middleware.CorsMiddleware',

]

Then add the follow in setting.py 🡺 CORS\_ORIGIN\_ALLOW\_ALL = True

1. Pip install djangorestframework\_simplejwt and add (rest\_framework\_simplejwt )to installed\_App
2. We start with creating custom user and to do that you need to override on user manager by creating custom user manager class to manage creating user and super user.

**Frontend**

1. Create your angular frontend (ng new frontend)
2. Go to frontend/src/environment/environment.ts and add (baseUrl : "http: //localhost: 8000/") to integrate angular with django
3. Create component of login in angular 🡺 (ng generate component component/login)
4. Go to app.component.html and put

<div class="main-container">

  <router-outlet></router-outlet>

</div>

1. Go to app-routing.module.tr to assign path of login component   
   import{LoginComponent} from "./components/login/login.component"  
   const routes:Routes = [{path: 'login', component: LoginComponent},]
2. If you want to change the initialization of the ip instead of <http://localhost:4200> to be <http://localhost:4200/GMDC> you can go to angular.json to baseHref and assign 🡺 "baseHref":"/GMDC/"
3. To create service that can help you to inject your api from backend you can use   
   (ng generate service service/login)

import { HttpClient } from '@angular/common/http';

then inject in contractor 🡺 private http: HttpClient,

  loginUser(user: User){

    return this.http.post('http://localhost:8000/signup', user)

  }

1. To install bootstrap  
   npm install bootstrap  
   then go to file angular.json and add the follow at line 32

           "styles": [

              "src/styles.scss",

              "node\_modules/bootstrap/dist/css/bootstrap.min.css"

            ],

            "scripts": ["node\_modules/bootstrap/dist/js/bootstrap.min.js"]