README

This application was created with the Django framework, and it contains three apps: donor, patient, and admin (blood). All of the images and CSS stylings used for the project are in the static folder, and all of the html files for the entire project are in the templates folder. Each views.py file contains functions that perform operations on data, and forms.py files are the forms that are filled out and saved in the database.models.py files are the models that are created. models.py files are the tables in the database and fields inside them are the Entities of the table. urls.py files help you to track which action takes you to which html template.

Admin

Admin is the superuser of the application and have access to the entire application.Admin can update or delete details of the user and he can accept or reject requests in the application.In order to create admin account you have to run following command:

- py manage.py createsuperuser

After running this command you have to set up a username and password and enter an email id too. Then you will get access to the admin functionality.

Donor

Donor can register if he is a new user of the application and login if not.After logging in he can either fill the form to donate blood and he can keep track of the status of his requests for donations. Donors can donate blood and request blood too.

Patient

Patient can register if he is a new user of the application and login if not. After logging in as a patient, the user can request for blood. Patients can fill a form requesting the type of blood required and the units of blood required. Patients can keep track of the status of the request.

In order to run the project in your local environment follow below steps:

- In the terminal move to the project folder directory and run the following command after downloading the folder.
  - python -m pip install -r requirements. txt
- This requirements.txt has all the requirements for the project including django and they will get installed
- After this install Pymysql for connecting to the database with following command:
  - pip install pymysql
- After this run this three commands in the terminal:
  - python manage.py makemigrations
  - python manage.py migrate
  - python manage.py runserver
- This command runs the server and the application can be available in localhost runserver command will print the available ip address where you can find the application homepage.
- You can also enter this url http://127.0.0.1:8000/ (localhost) inorder to see the project running.