

Instructions to run Blood Bank Management System Python GUI

Basic pre-requisites before running the app:

1. If you're using localhost, create the database using the MILESTONE3DUMP.sql
2. If you're using CSSQL, make sure you're connected to the GlobalProtect VPN.

Running MILESTONE3code.ipynb

1. Navigate to the project directory and install the required dependencies by running below command in your terminal. File requirements.txt is part of the folder.

pip install -r requirements.txt

2. Run the code cell in MILESTONE3code.ipynb and wait for the app to start.
3. Make sure you have **splash_image.jpg** file in your project directory.

Navigate the UI:

1. A login form is shown when the application starts, it has default credentials of CSSQL. You can reset the form to put your credentials.
2. Tableau visualisations are shown at the top. You can click on the buttons listed below which will take you to the corresponding visual in Tableau public.

1. Count of Blood Bags
2. Total Donations - Donation Camp
3. Blood Request Trend
4. Blood requests - each Hospital

3. You can run 6 six informational SQL queries:

1. Blood Supply Vs Demand - Hospital
2. Get Total Number of Donations for a Month/Day
3. Get top donors list
4. Total Number of Donors by Blood Group
5. Search Donor's Information by ID
6. Blood Group Compatibility Table