Blood Bank Management System

Cloud Computing Mini Project

Made By-
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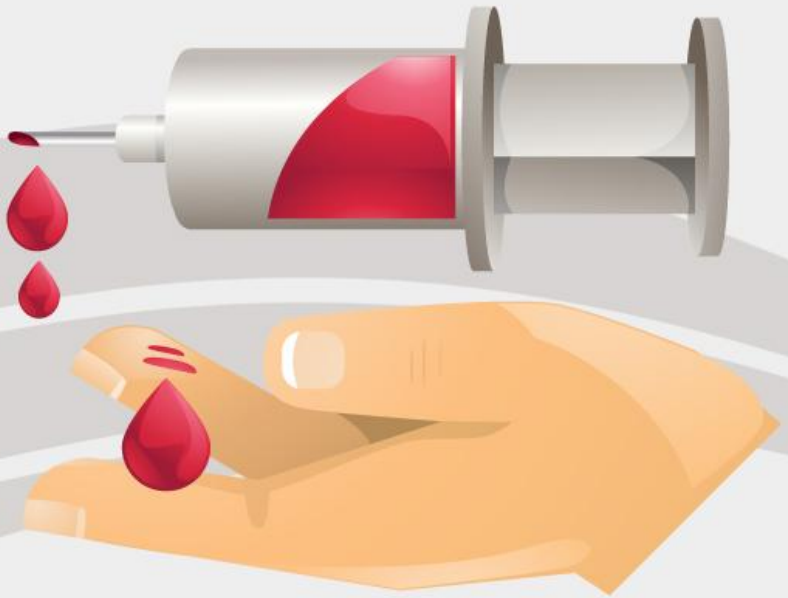
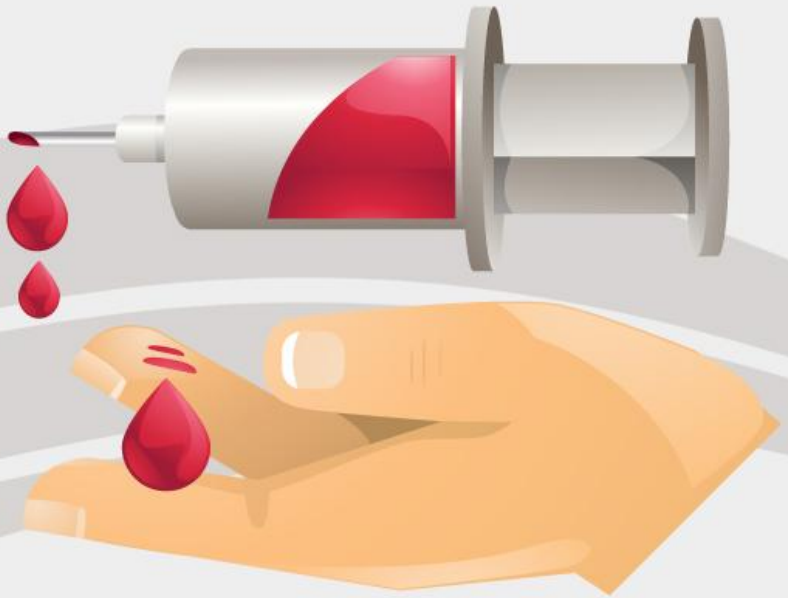


Problem Statement

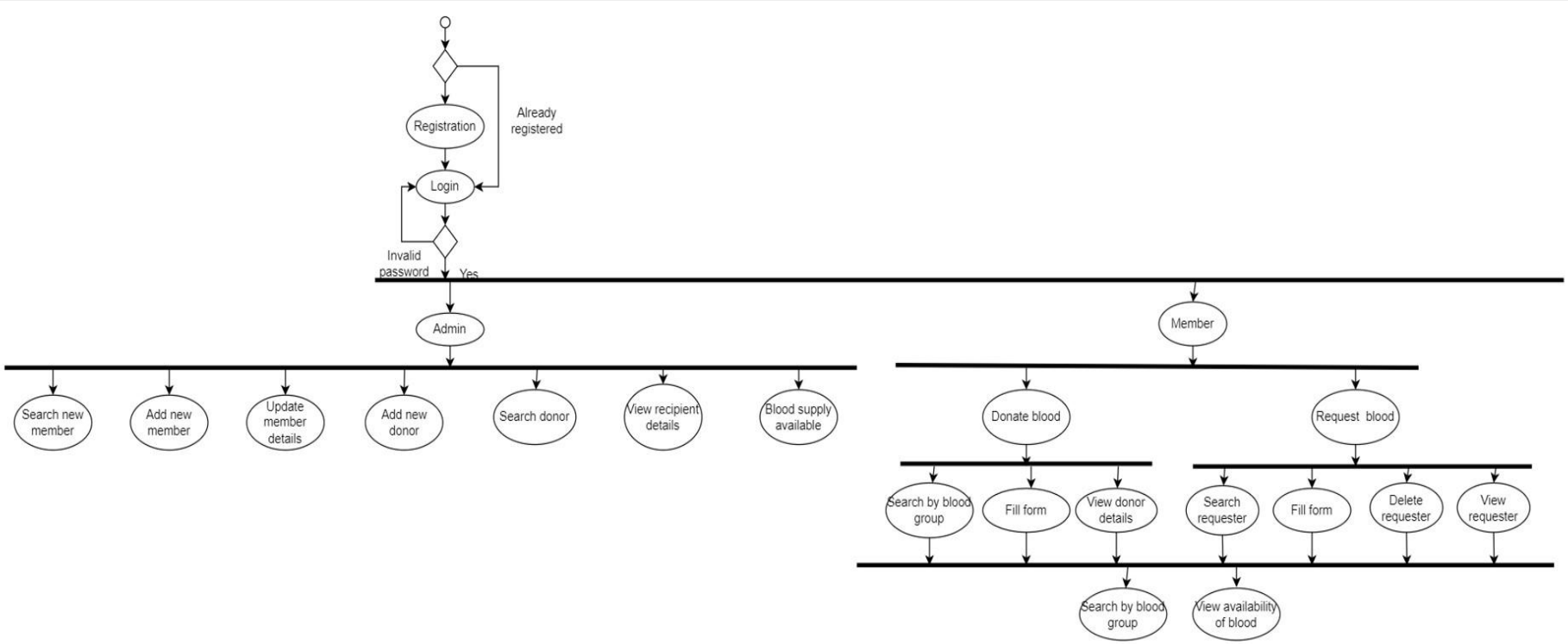
- Aim to save the lives of people by providing blood
- Most blood banks are still running manual system in its processes
- Lack of efficiency in paper-based information collected
- Maintaining blood donors' documentation and records
- Spread awareness among people about blood donation
- Managing donors and requesters
- Procedures will be fast and accurate

Users of the System

- Admin
- Member
  - Donor
  - Requester

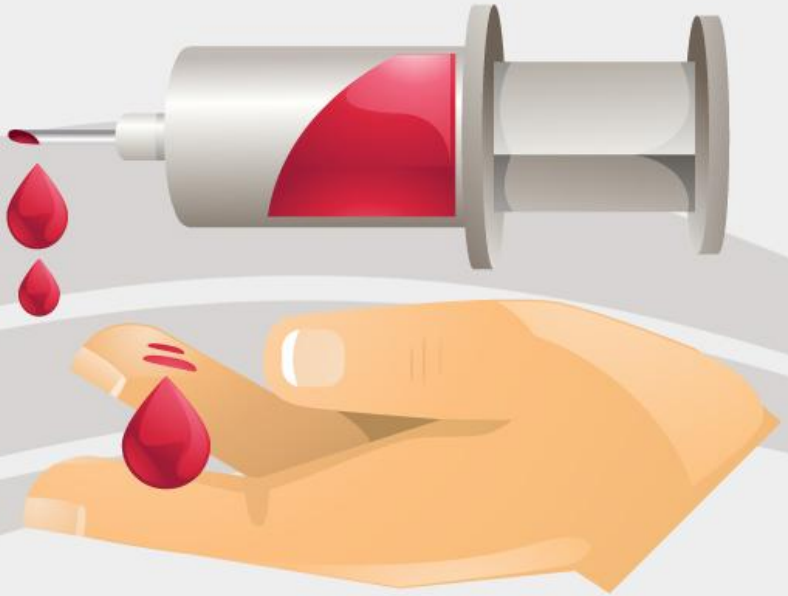


Architecture Diagram



Tools Used

- HTML
- CSS
- Javascript
- PHP
- AWS- Hosting
  - Lightsail
  - Putty



Functionality

- Register Page

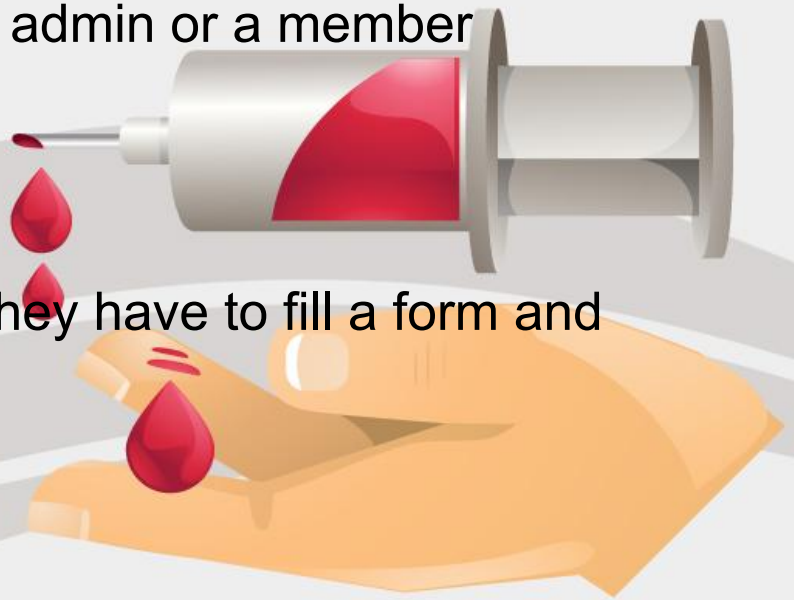
  User will have to register themselves in order to access the website and it's other functionalities

- Login Page

  After registration, user can login as either admin or a member

- Request for blood

  Member can request for blood for which they have to fill a form and later view the details and
  search from the list of requesters and
  also delete the request if they want



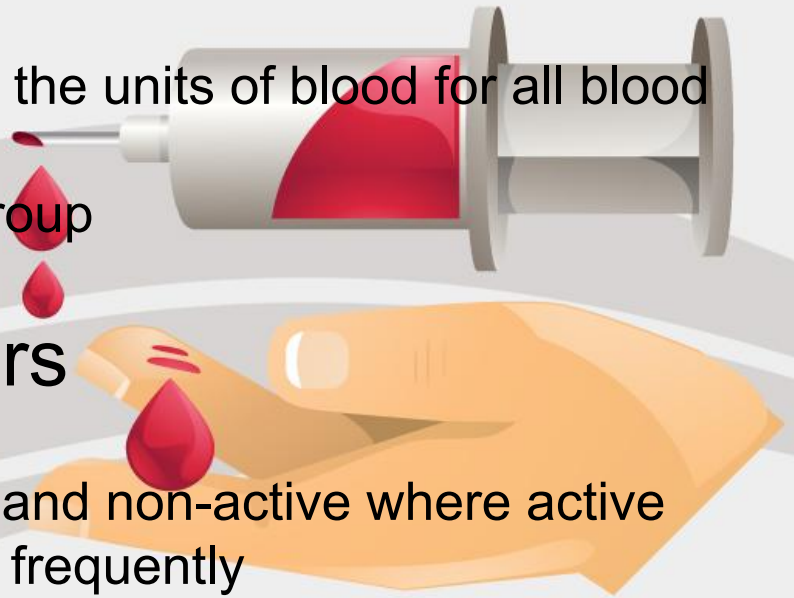
Functionality

- Donate blood

  Member can donate blood for which they have to fill the form and then members can view donors based on their respective blood group and also the details of respective donors

- Check Availability of blood

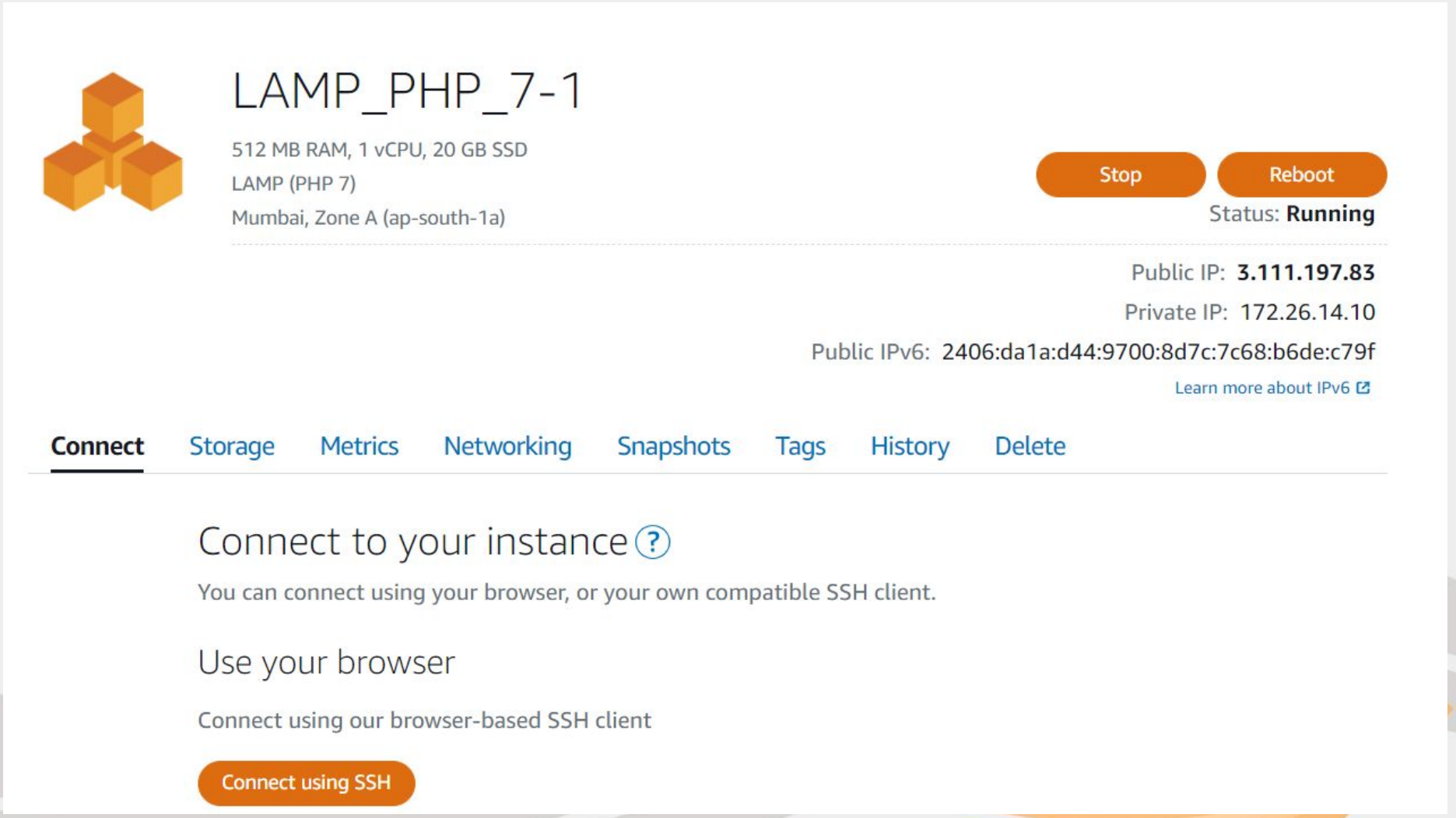
  Members and admins both can check out the units of blood for all blood groups available and
  also search for units of a specific blood group



- Active and Non-active donors

  Admins can segregate donors into active and non-active where active donors are the ones whose blood is used frequently

GUI Screenshot
AWS Lightsail Instance



GUI Screenshot

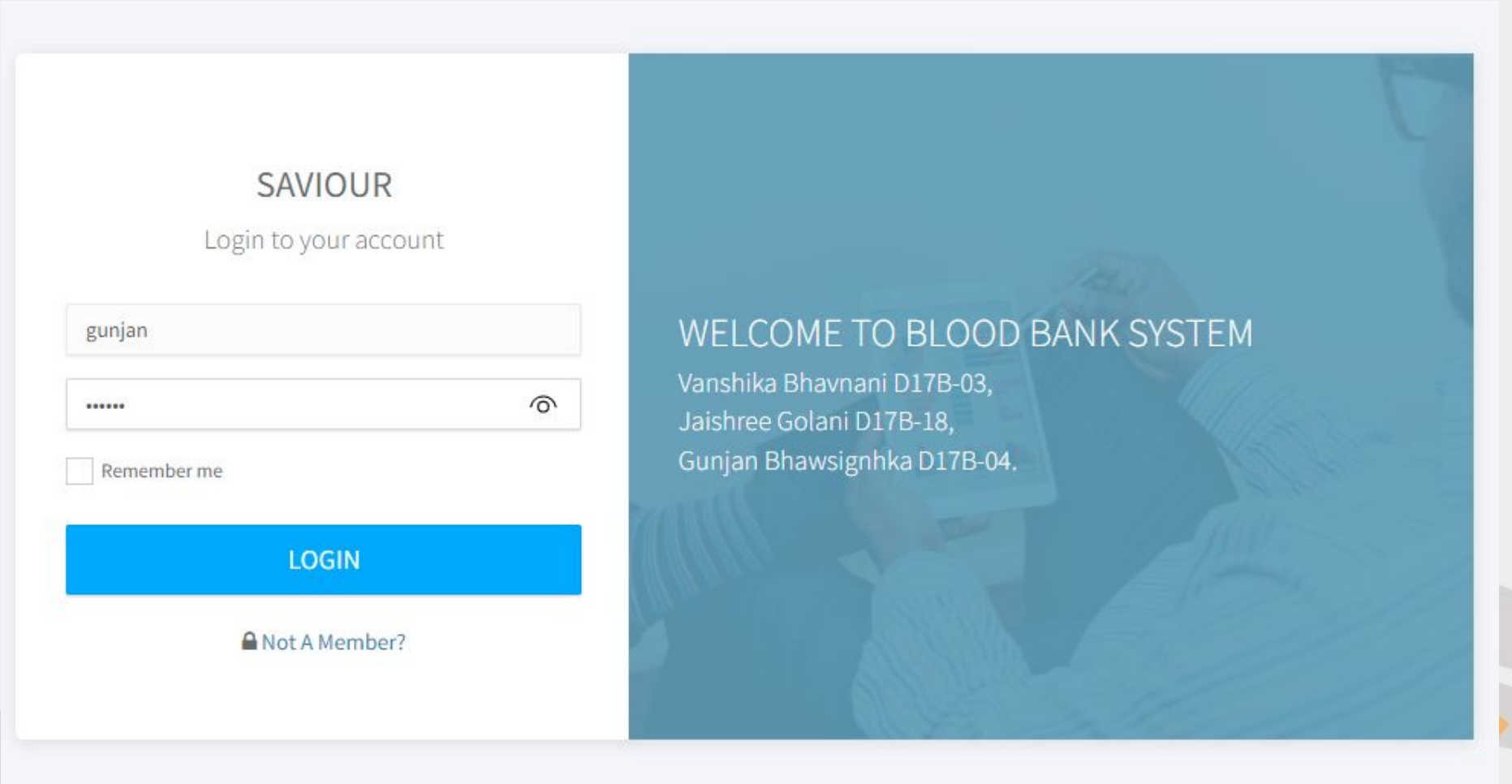
←T→	requester_id	patient_name	gender	blood_group	unit_blood	hospital_name	date	contact_person	address
Edit Copy Delete	7	Gunjan Bhawsinghka	female	b+	1	MGM	0000-00-00	Gunjan	B-103, NeelGalaxy, Sector-8

Donor table

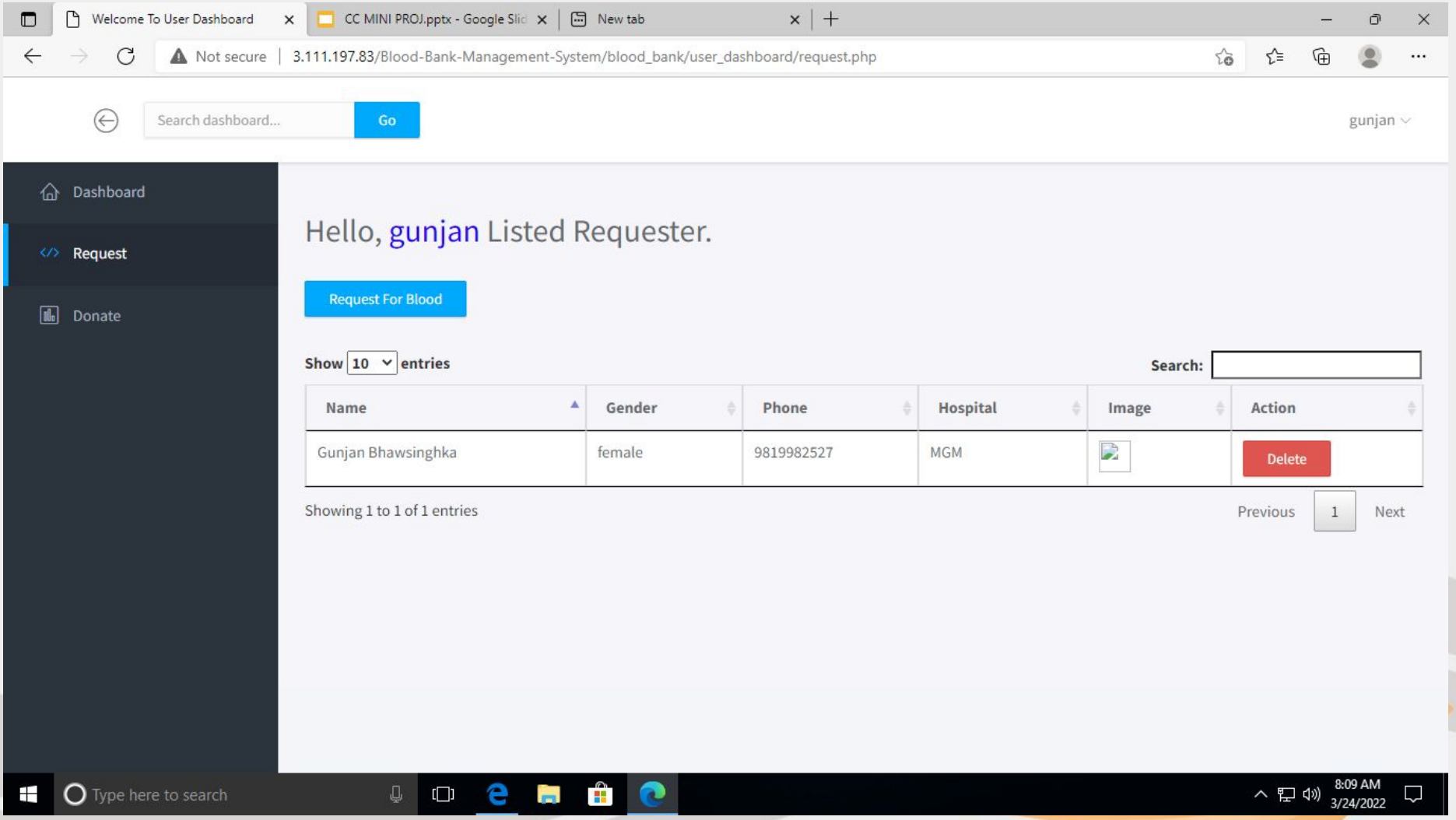
←T→	donor_id	name	father_name	gender	dob	body_weight	email	blood_group	state
Edit Copy Delete	13	nizam	nizam	male	03/26/2018	34Kg	cnizam@gmail.com	B+	Maharashtra
Edit Copy Delete	15	Guru	Shakti	Male	03/14/2018	134kg	guru@gmail.com	AB+	Karnataka
Edit Copy Delete	18	Jaishree Golani	Sanjay	female	2/12/2000	65 kg	jaishreegolai@gmail.com	AB+	Karnataka

Requester table

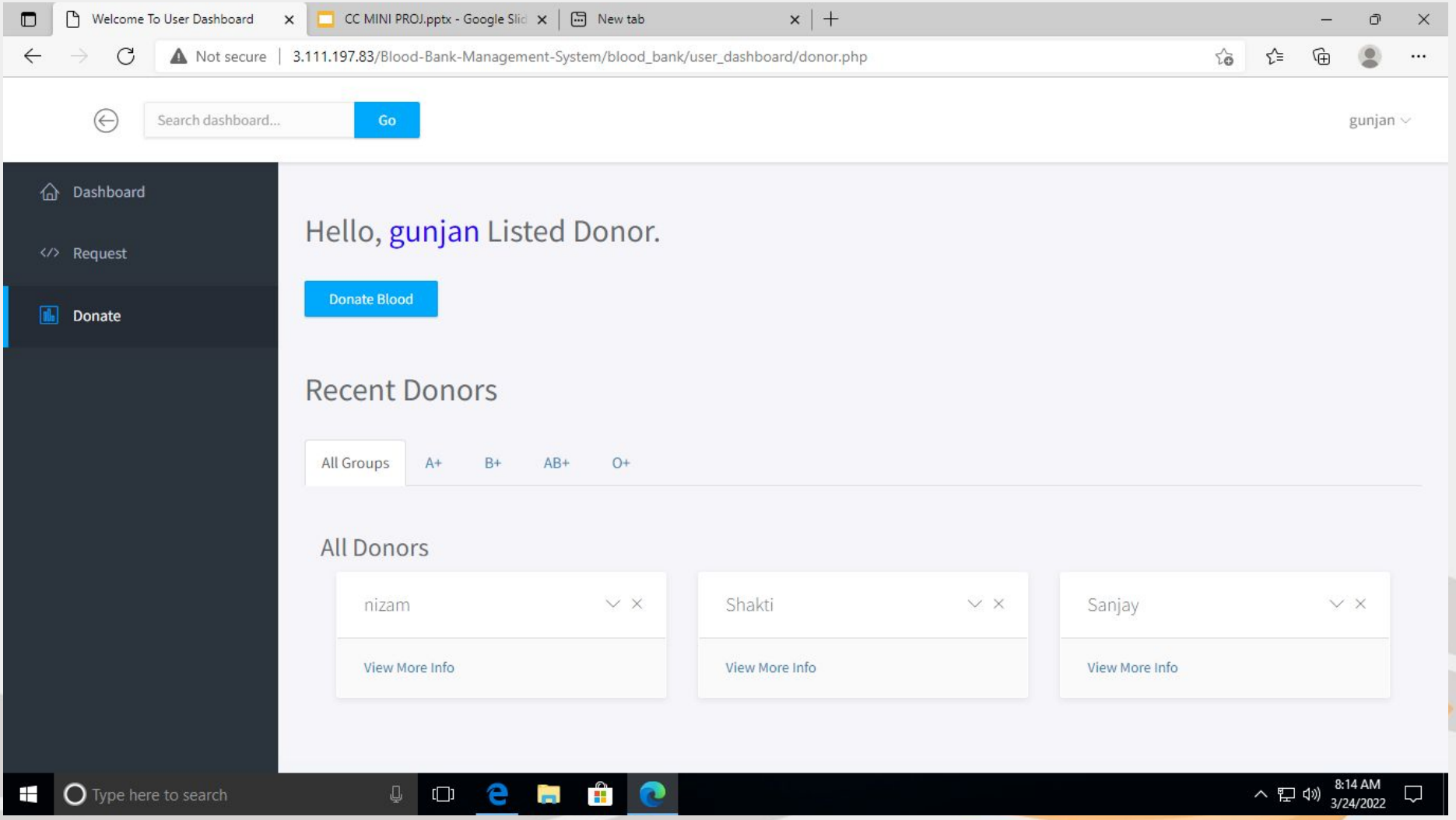
Login page



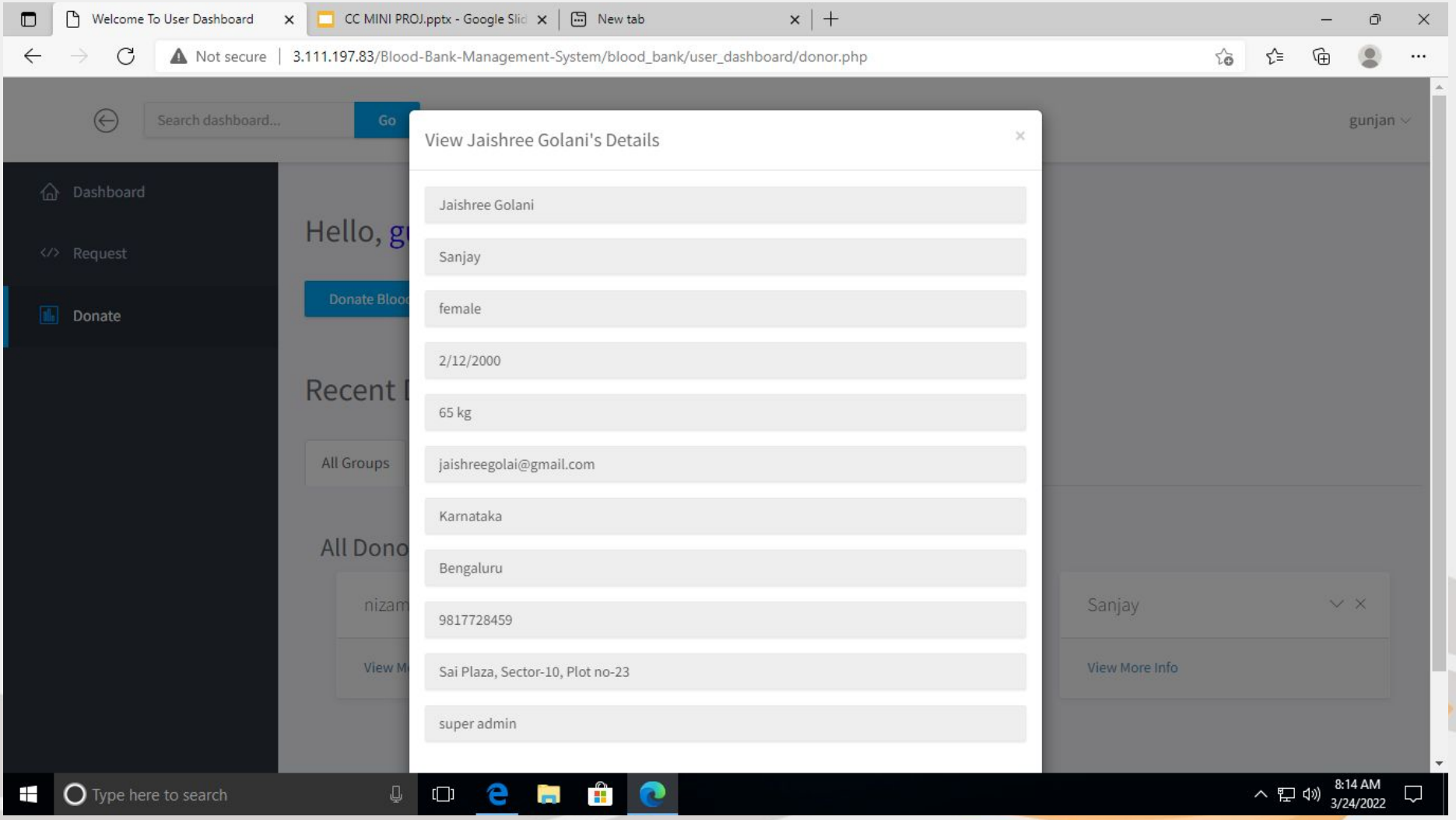
Request blood page



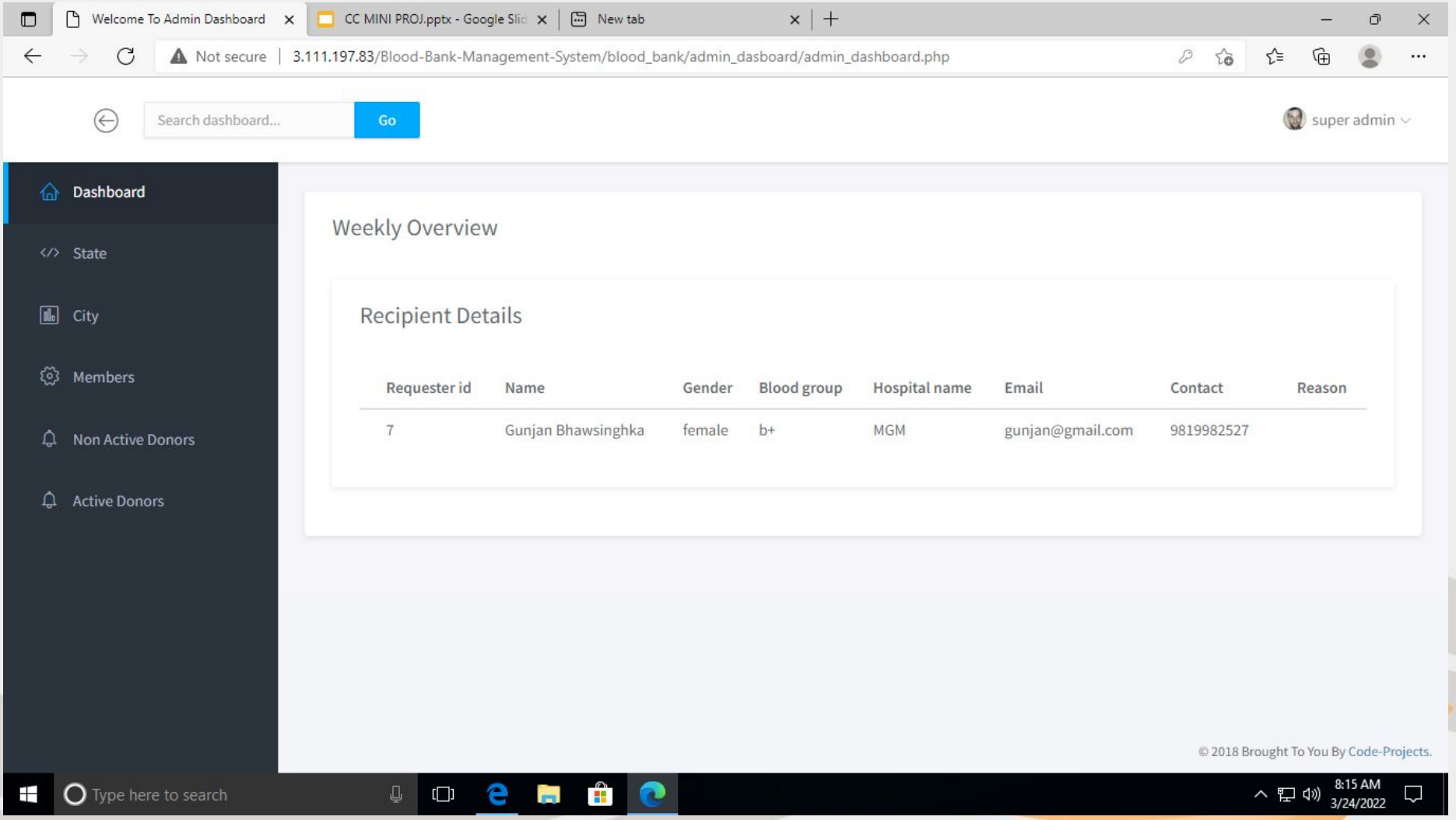
Donate blood page



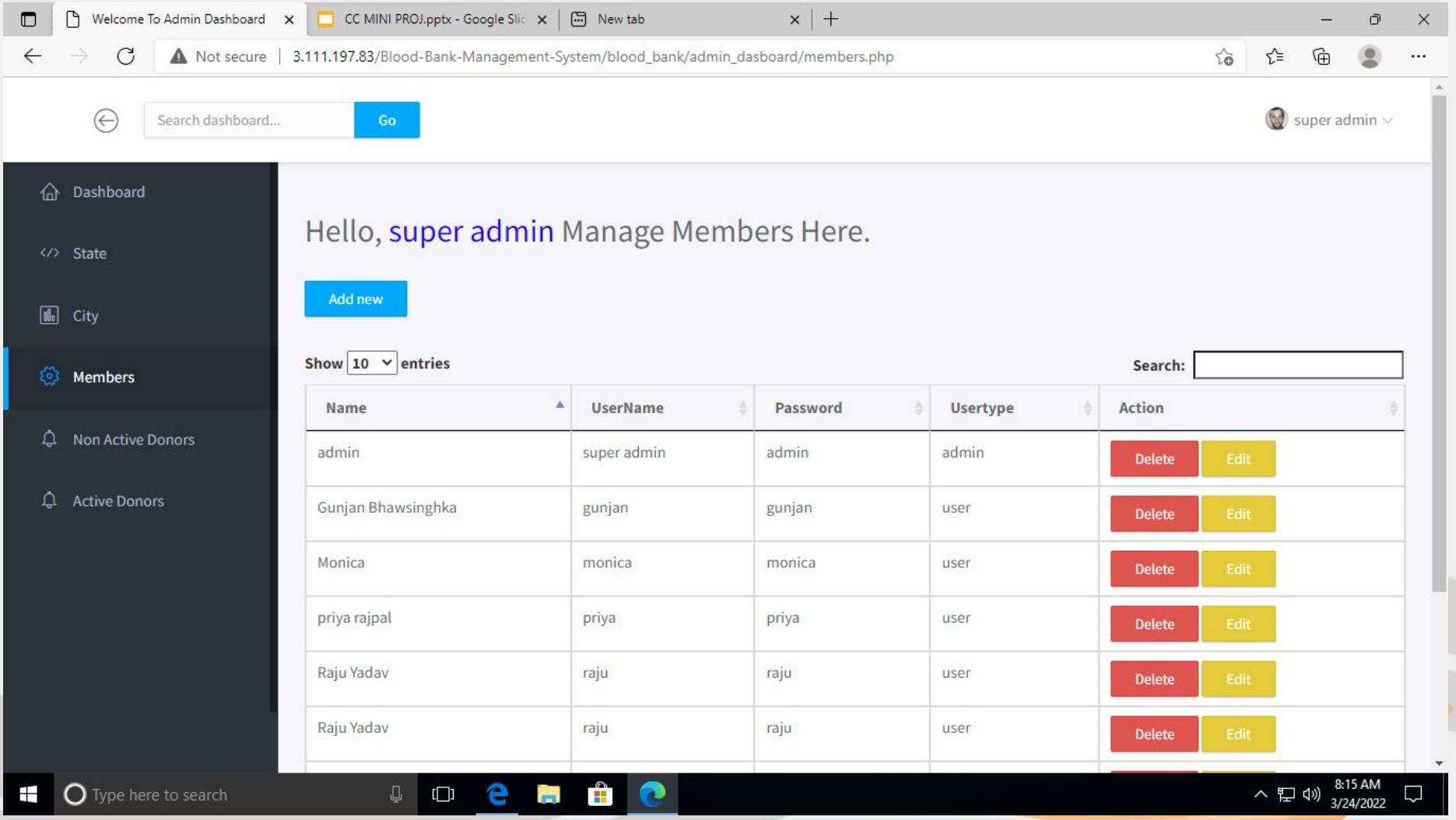
View donor profile



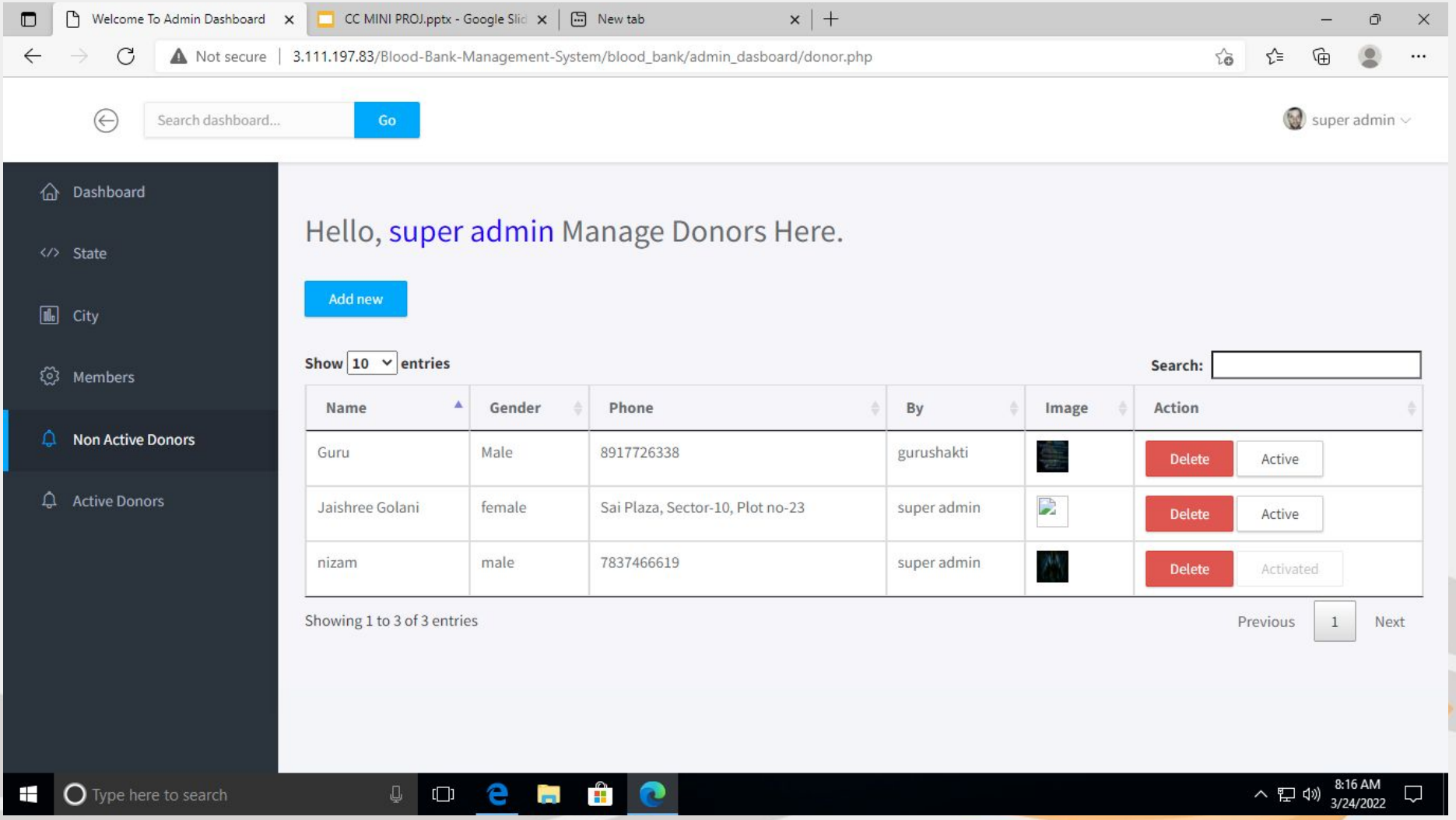
Admin dashboard



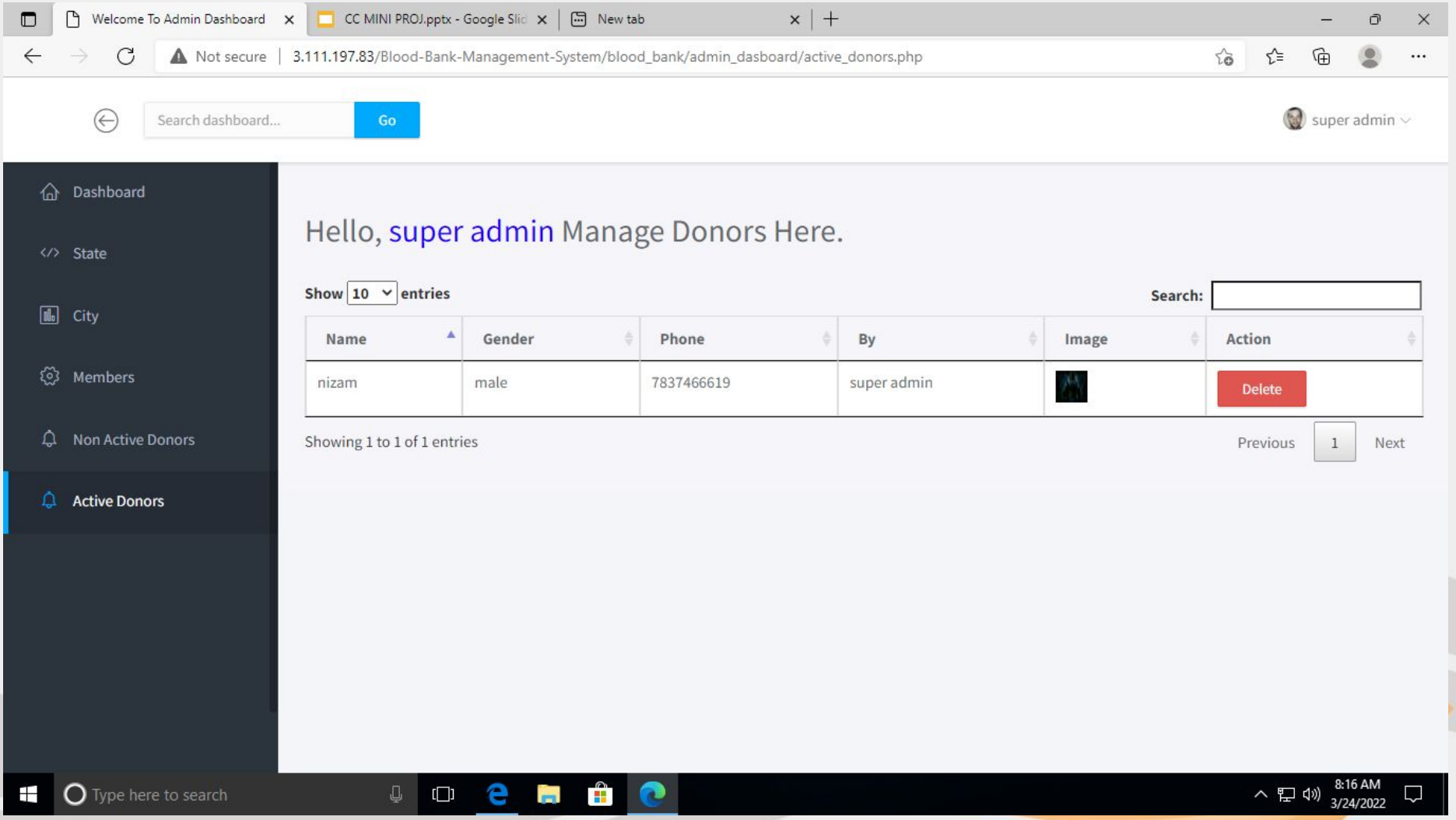
View members in admin



View non-active donors



View active donors



Conclusion

- The main aim of this project is to manage the blood bank system efficiently.
- It is available 24x7 as it is hosted on AWS.
- All details are managed online and can be managed by admin.
- Ensures hassle free procedures.