

Project Name: Decentralized Blood Bank

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Actors:

Donor, Admin , Requester

Donor

Working:

- 1.Donor will fill a form which contains basic info about the donor.
- 2.Donor Registered.

Functions:

RegisterDonor ,Existing Donor ,View application, **View Stock**

Requester:

Working:

- 1.Requester can be anyone donor, admin or center.
- 2.First requester will check the availability of blood at a particular center.
- 3.If stock is available for blood type then it will send a request to admin.

Functions:

RequestBlood, View Stock, View Request

Admin:

Working:

- 1.Admin can register another center and set that center as admin.
- 2.Can manage the stock of blood.
3. check donor's info and the admin will book a slot for blood donation.
4. After blood donation, set status to confirm, update stock of blood.
- 5.Can grant blood request of requester and update stock of blood.

Functions:

NewBank, ViewDonor, ConfirmDonation, SetCenter, CheckBloodRequest, BookSlot, GrantBloodRequest, ViewDonor , ViewRequester,ViewStock

FrontEnd

Forms:

A.Register Donor(New donor):

- 1.Name,
- 2.Address,
- 3.Contact,
- 4.Email,
- 5.Birthdate,
- 6.Gender,
- 7.Bloodgroup,
- 8.Height,Weight,
- 9.Center name,
- 10.Recently blood donated(in days/date)

B.Register Donor(Already registered donor):

Fetch all data of existing donors automatically.

C.Request Form

- 1.Name of requester,
- 2.Address,
- 3.Contact,
- 4.Gender,
- 5.Tentitive date,
6. Blood type needed,
7. Quantity of blood,
- 8.Center name.
- 9.Gov Id

D.Register Center

- 1.Center Name,
- 2.Address,
- 3.Contact,
- 4.Email

Flow of System:

