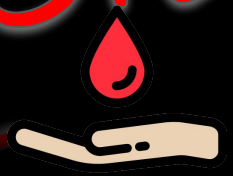
Bloody Mary's



Blood Bank

By: Matt Pitman, Jane Trapala, Hassan Bhatti, & Troy Durand

She Thirsty Bruv

Project Idea

Database System will consist of tables with information on patients, data of the blood donors, data of the nearby blood banks.

1. Recipient's Table: Name, ID, Disease, Address, Phone No., Receiving Date, Urgency Status
2. Donor Table: Name, ID, Blood Type, Address, Phone No., Donation Date,
3. Blood Bank Table: Contact Info, Address, Name
4. Staff Table: Staff ID, Staff Name, Address, Phone No., Shift
5. Blood Type: A+/-, B+/-, O+/-,AB-/+

Our project will implement and deal with different scenarios that could occur when dealing with blood

Data Sources

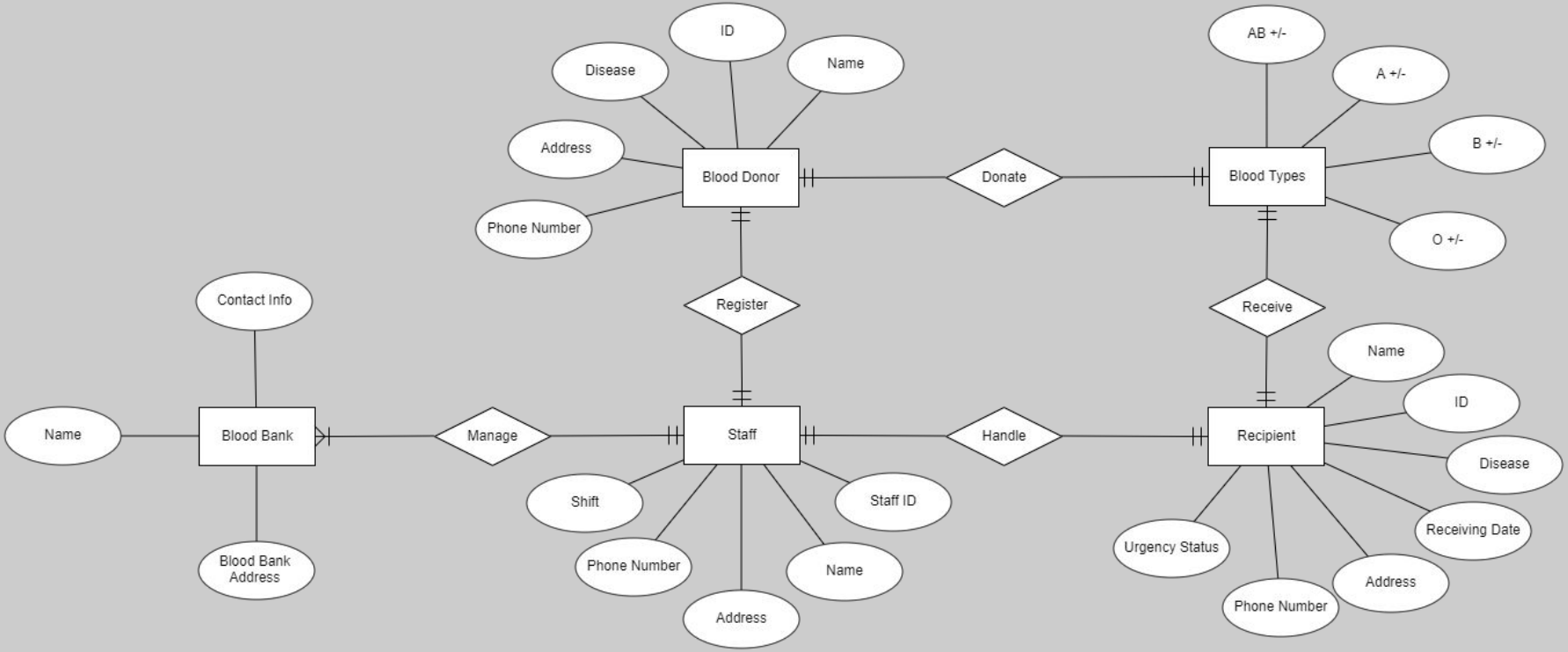
As blood banks don’t release patient records, we would have to produce our own values whenever a patient is needed.

We can take information about nearby blood banks nationwide based on the results in Google Maps

Possible Transactions

- Add a patient if a new one is in need of blood
- Remove a patient if one has received blood
- Add a donor if a new person gives blood
- Change data of a blood bank if some attribute changes
- Update the available blood
- Update who has received blood and where

ERD Table w/ Attributes



Recipient’s Table

- Patient’s Name
- Patient’s Identification
- Patient’s Disease
- Patient's Hospital’s Address
- Patient’s Age
- Patient’s Gender
- Urgency Status
- Nature of Urgency
- Blood Type

Donor Table

- Patient SSN
- Patient Name
- How many times donated
- Most recent donation date
- Blood Type
- Donor Address
- Contact Number
- Recent Travels (specific countries)
- Any pre-existing conditions/diseases

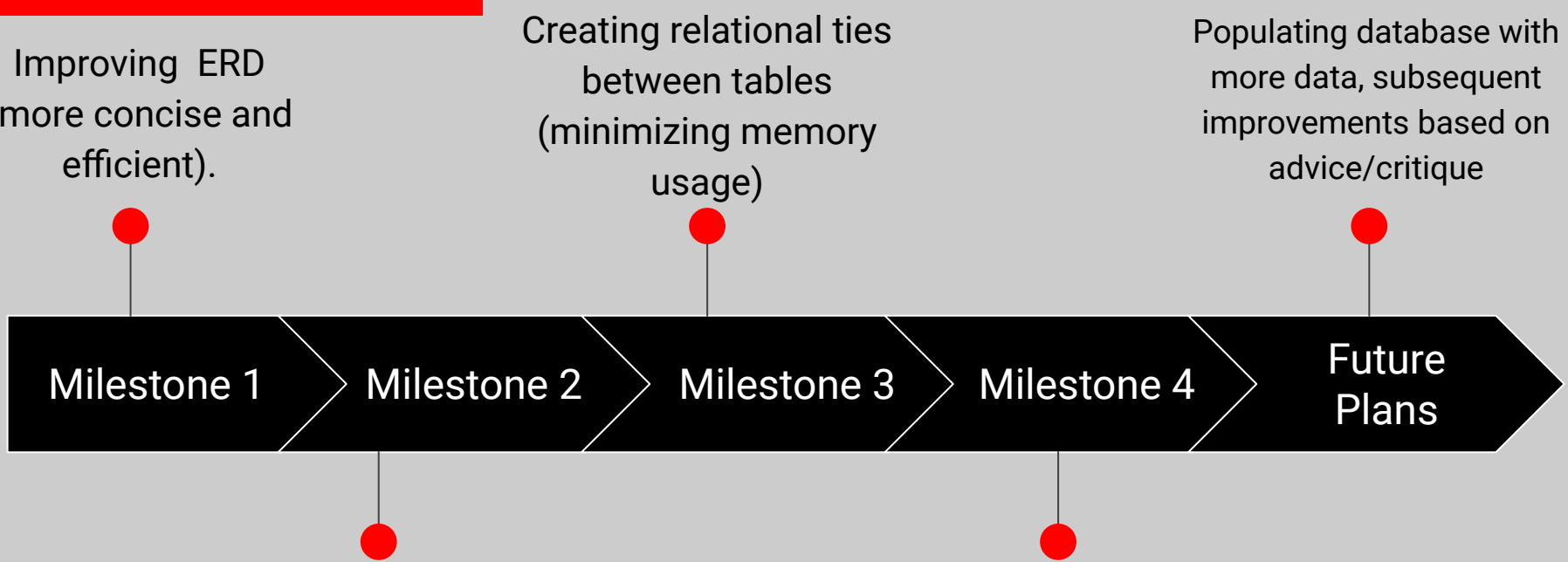
Staff Table

- Staff ID
- Staff Name
- Address,
- Phone No.,
- Salary
- Shift

Blood Bank Data

- Blood Bank Contact Info
- Blood Bank Address
- Blood Bank Donor Names (All time list of Donors)
- Blood Bank Name
- Blood Drive Sites
- Hospitals

Overall Progression Map



Thank you!

Please, feel free to ask us any questions!