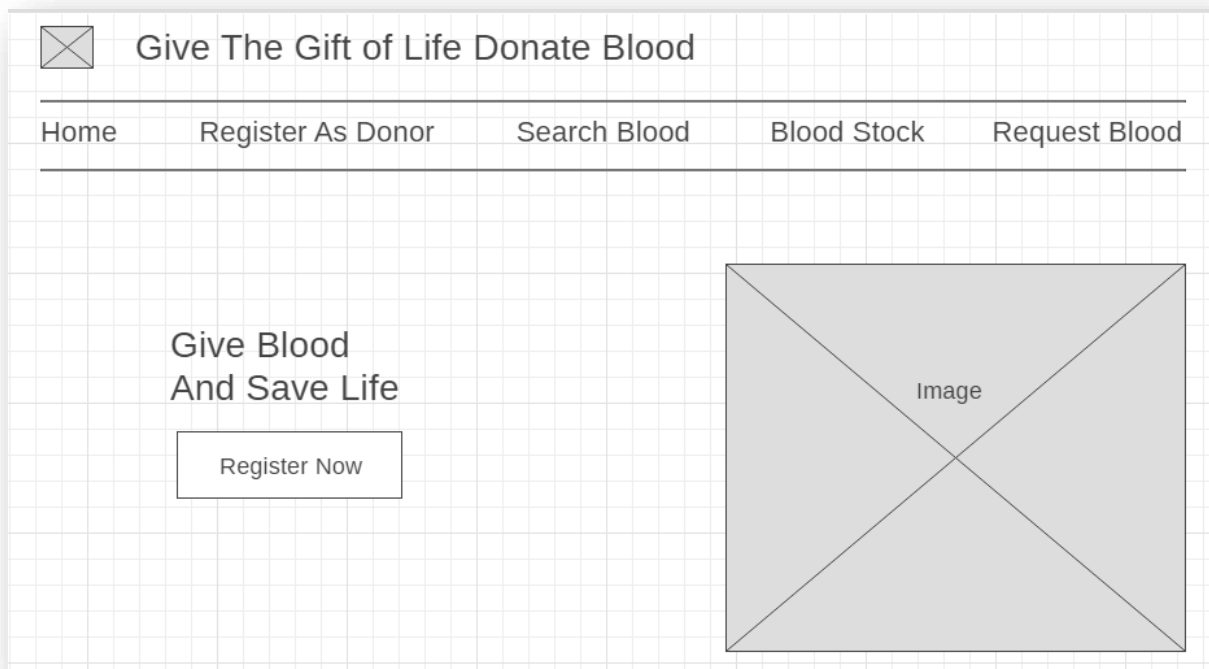## Project Proposal:

Project Name: **Give The Gift of Life Donate Blood**

Description:

- I am planning to develop a simple **Blood Bank Management System**.
- Using this system people are able to **register** them self to donate the blood.
- Donor will be ask to provide some personal information like name, address, email, telephone number, blood group, etc. And their information will be stored in the database.
- We can see the entire **donors list** as well **search** for appropriate donor(s) for particular blood group type.
- We can display the amount of different blood groups available in **storage** of blood bank depends on the data available in the database.
- Also people can **request for blood** donation by filling blood request form. Patient's information will be stored into the database.

Mock Up or Wireframe:

(1) Home

(2) Register As Donor

Give The Gift of Life Donate Blood

Home   Register As Donor   Search Blood   Blood Stock   Request Blood

Register As Donor

First Name		Street No	
Last Name		Street Name	
Blood Group		City	
Age		Province	
Gender	◯ Male ◯ Female	Country	
Phone Number		Postal code	
Email			

Register

(3) Search Blood

Give The Gift of Life Donate Blood

| Home | Register As Donor | Search Blood | Blood Stock | Request Blood |

Search Blood

Blood Group [▼]   Search

First Name	Blood Group	Province	City	Phone

(4) Blood Stock

Give The Gift of Life Donate Blood

| Home | Register As Donor | Search Blood | Blood Stock | Request Blood |

Blood Stock

ADD   UPDATE   DELETE

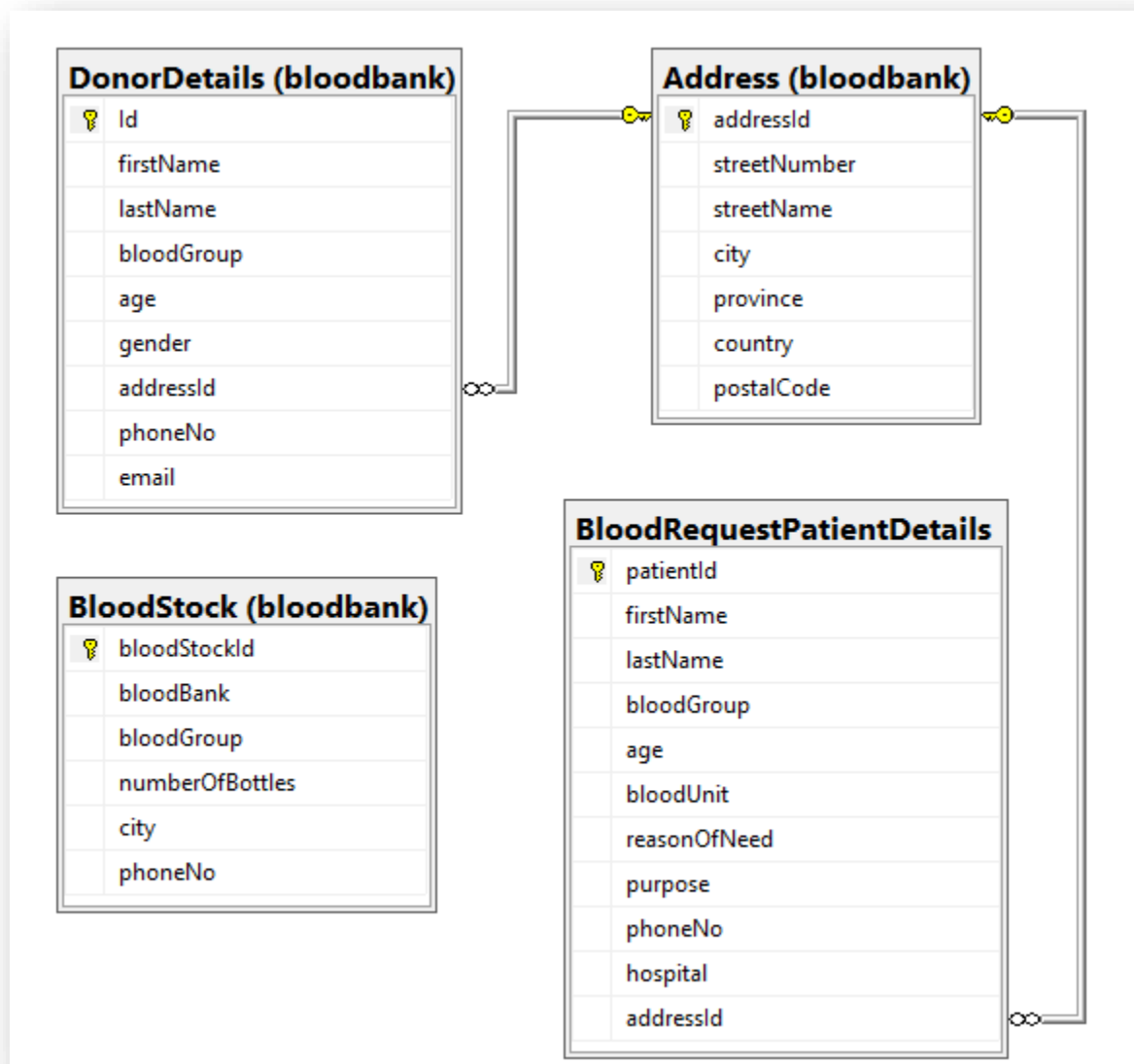| Blood Bank	Blood Group	No of Bottles	City	Phone

(5) Request Blood

Give The Gift of Life Donate Blood

Home   Register As Donor   Search Blood   Blood Stock   Request Blood

Request Blood

Patient Information

Patient Name	
Blood Group	▼
Age	
Blood Unit	
Why Need blood	
Purpose	
Phone	

Hospital Information

Hospital	
Street No	
Street Name	
City	
Province	
Country	
Postal code	

Send Request

Database Diagram:

DonorDetails (bloodbank)
- 🔑 Id
- firstName
- lastName
- bloodGroup
- age
- gender
- addressId
- phoneNo
- email

Address (bloodbank)
- 🔑 addressId
- streetNumber
- streetName
- city
- province
- country
- postalCode

BloodStock (bloodbank)
- 🔑 bloodStockId
- bloodBank
- bloodGroup
- numberOfBottles
- city
- phoneNo

BloodRequestPatientDetails
- 🔑 patientId
- firstName
- lastName
- bloodGroup
- age
- bloodUnit
- reasonOfNeed
- purpose
- phoneNo
- hospital
- addressId

Flow Chart: