

PROJECT REPORT

BLOOD BANK SYSTEM

By:

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TITLE: BLOOD BANK SYSTEM

PROBLEM STATEMENT : Addressing Inefficiencies in Blood Supply Coordination during Emergencies.

PROBLEM DESCRIPTION: Ensuring a secure and sufficient blood supply is critical to minimizing morbidity and mortality rates in healthcare facilities.

Shockingly, every two seconds, an individual in India requires a blood transfusion, resulting in over 12,000 daily deaths due to unavailability.

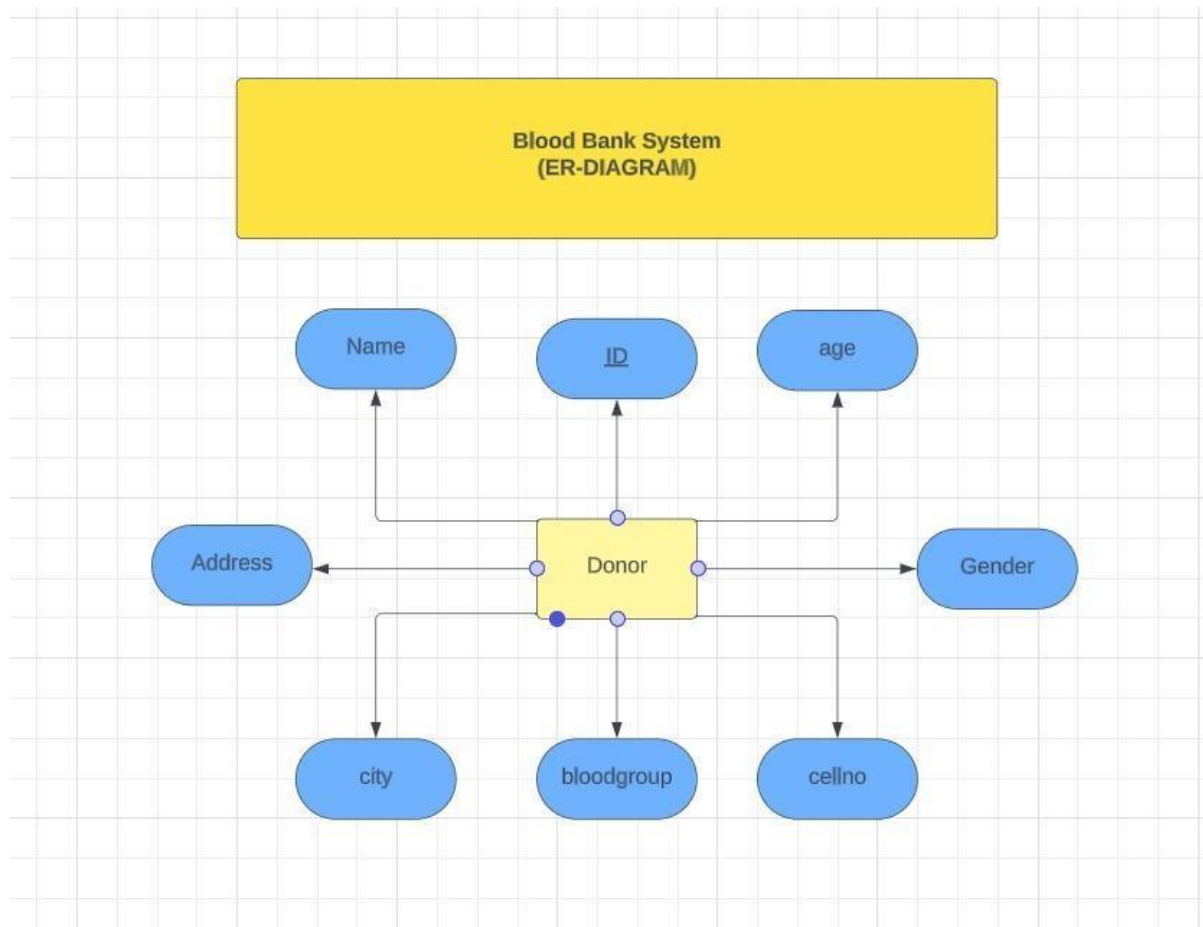
Moreover, one in every four maternal deaths in India is attributed to excessive blood loss, underlining the prevalent issue of blood shortages in hospitals.

During medical emergencies, particularly those necessitating immediate blood transfusions, there is a pressing need for seamless coordination between blood donors and recipients.

Unfortunately, existing systems lack a streamlined approach, leading to life-saving interventions being delayed.

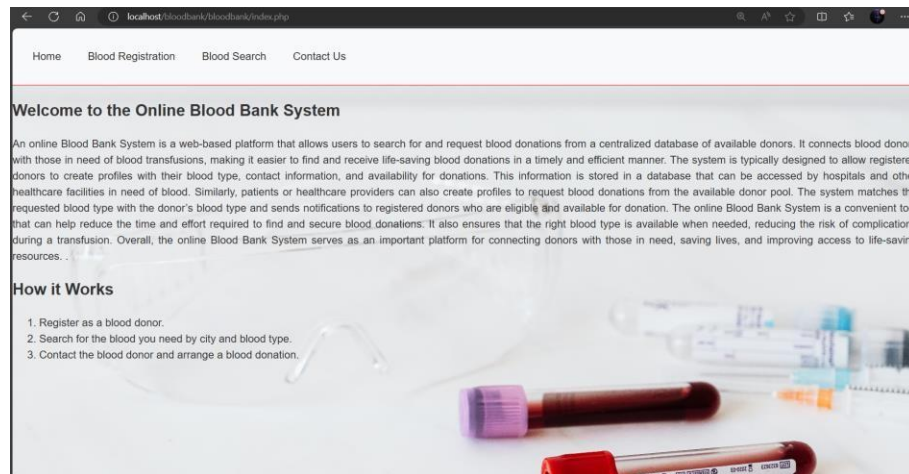
This project endeavors to rectify this by developing a web application that expeditiously and accurately matches available blood donors with patients in urgent need.

ER – DIAGRAM :



IMPLEMENTATION

HOME PAGE



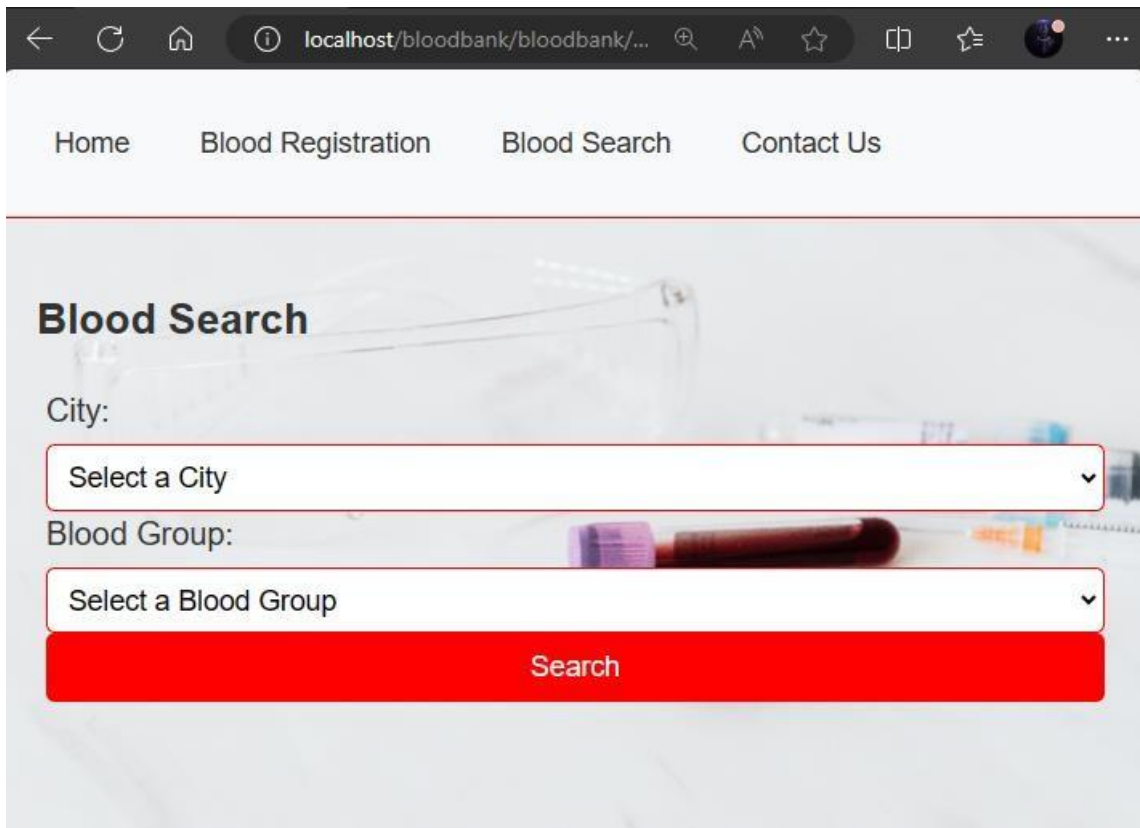
Home page which acts as a gateway to all of the other parts of the web portal
It is made of anchor tags directing to the other parts of the web and paragraph elements
that give description of the web.

BLOOD DONOR REGISTRATION

A screenshot of a web browser displaying the 'Blood Donor Registration' page. The browser's address bar shows 'localhost/bloodbank/bloodbank/registration.php'. The page has a navigation bar with links: 'Home', 'Blood Registration', 'Blood Search', and 'Contact Us'. The main content area contains a registration form with the following fields: 'Name:' (text input), 'Age:' (text input), 'Gender:' (dropdown menu with 'Male' selected), 'Blood Group:' (dropdown menu with 'A+' selected), 'City:' (text input), 'Cell No:' (text input), and 'Address:' (text input). A red 'Submit' button is located at the bottom of the form. The background of the page shows a close-up of medical supplies, including a blood test tube and syringes.

This is a page where the willing donors will register with their details such as contact details ,biodelails and ofcourse blood group. Which will be retrived using the form HTML element and sent to the server.

BLOOD SEARCH



Home Blood Registration Blood Search Contact Us

Blood Search

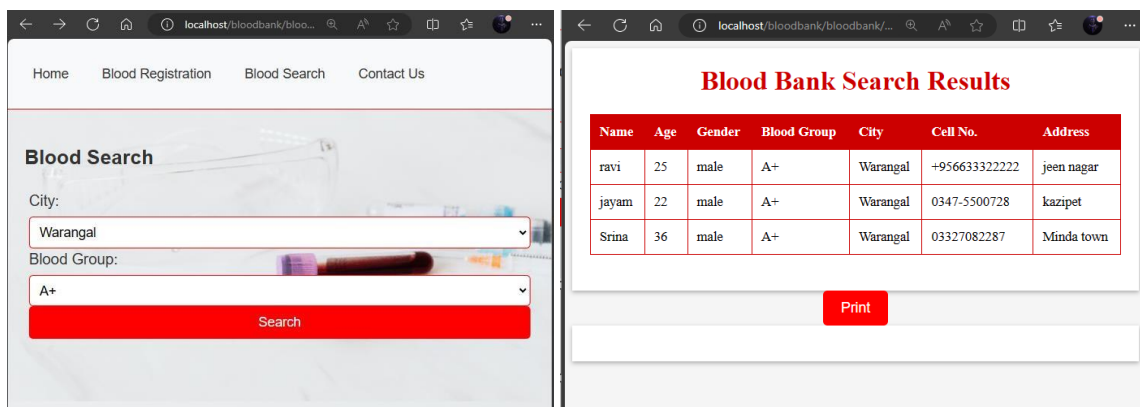
City:

Select a City

Blood Group:

Select a Blood Group

Search



Home Blood Registration Blood Search Contact Us

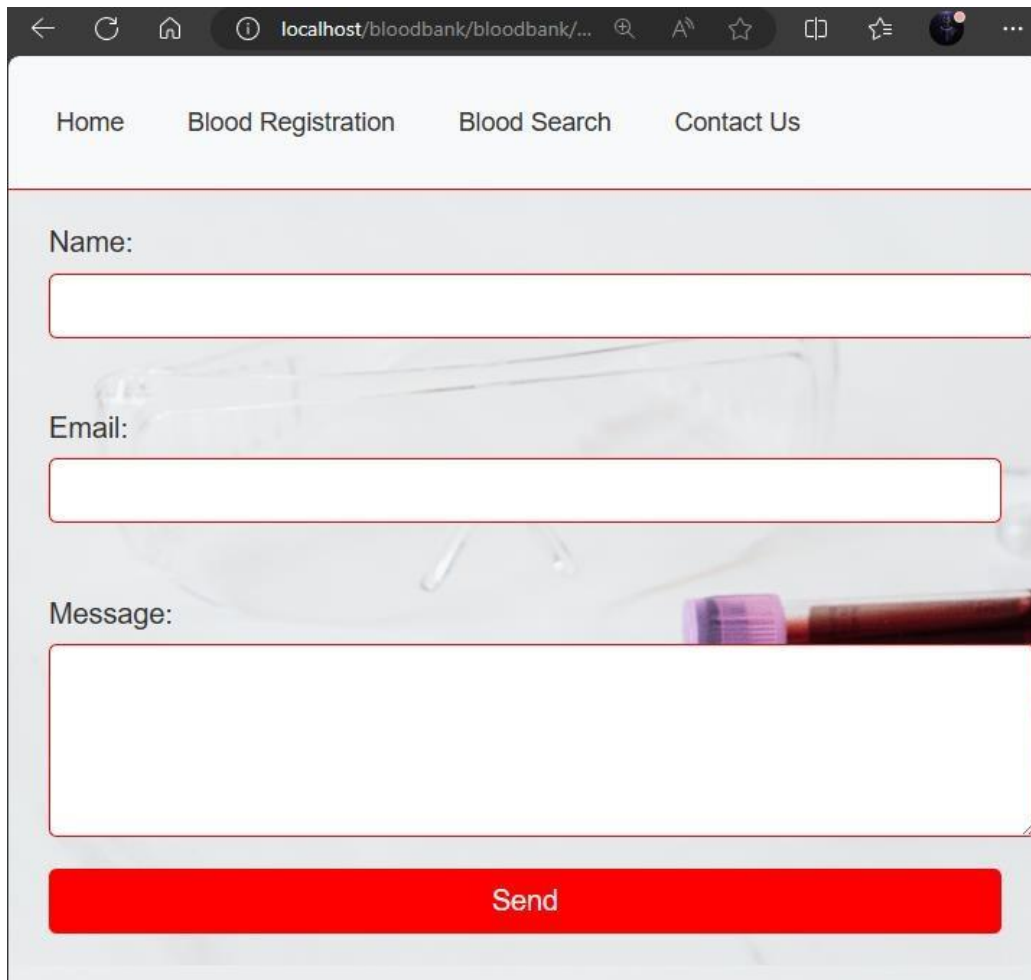
Blood Bank Search Results

Name	Age	Gender	Blood Group	City	Cell No.	Address
ravi	25	male	A+	Warangal	+956633322222	jeen nagar
jayam	22	male	A+	Warangal	0347-5500728	kazipet
Srina	36	male	A+	Warangal	03327082287	Minda town

Print

Through this page one who is in the need of blood will enter their desired city and blood group . which will run a search query in database and return the potential donor details .

CONTACT US



← ↻ 🏠 ⓘ localhost/bloodbank/bloodbank/... 🔍 A ☆ 📄 ☆ 🌐 ...

Home Blood Registration Blood Search Contact Us

Name:

Email:

Message:

Send

This helps user to reach out to us for any feedback or queries

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RELATIONAL TABLE:

	id	name	age	gender	bloodgroup	city	cellno	address
<input type="checkbox"/> Edit Copy Delete	1	Vivek	36	male	A+	Hyderabad	+923327082287	puri colony
<input type="checkbox"/> Edit Copy Delete	2	Amit	36	male	B+	Warangal	+956633322222	hanmakonda
<input type="checkbox"/> Edit Copy Delete	3	Suresh	45	male	B-	chennai	033312555222	anna Nagar
<input type="checkbox"/> Edit Copy Delete	4	Kamran	30	male	B+	Hyderabad	5454545454	Shamshabad
<input type="checkbox"/> Edit Copy Delete	5	ravi	25	male	A+	Warangal	+956633322222	jeen nagar
<input type="checkbox"/> Edit Copy Delete	6	Pandiyarsan	45	male	B+	chennai	03168956221	adiyar
<input type="checkbox"/> Edit Copy Delete	7	Sharath babu	36	male	A+	Chennai	0776778899	guidy
<input type="checkbox"/> Edit Copy Delete	8	bejoey	20	male	O+	hyderabad	03406451477	lallaguda
<input type="checkbox"/> Edit Copy Delete	9	dagaad	40	male	B+	Hyderabad	0334-8386679	kompally
<input type="checkbox"/> Edit Copy Delete	10	AMeena	22	male	A+	Chennai	0347-5500728	turk nagar
<input type="checkbox"/> Edit Copy Delete	11	jayam	22	male	A+	Warangal	0347-5500728	kazipet
<input type="checkbox"/> Edit Copy Delete	12	JK dhanush	22	male	A+	chennai	0347-5500728	nallur
<input type="checkbox"/> Edit Copy Delete	13	Akhil	22	male	A+	Hyderabad	0347-5500728	kairathabad
<input type="checkbox"/> Edit Copy Delete	14	Giri	22	male	A+	chennai	0347-5500728	OMr
<input type="checkbox"/> Edit Copy Delete	15	Srina	36	male	A+	Warangal	03327082287	Minda town
<input type="checkbox"/> Edit Copy Delete	16	Akshith Pagadala	19	male	A+	hyderabad	7075362164	H No 8-5-62/89 Flat No 204 Namratha Apartment Mal...

- **User_ID** : int data type , unique and **User_ID** is a primary key.
- **Name** : varchar data type
- **Age**: int data type
- **Gender**: varchar data type (male , female, other)
- **Blood Group** : varchar data type (A-,A+,B+,B-,AB+,AB-,O+,O-)
- **City**: varchar data type , size 50
- **Cellno**: bigint data type , size 10
- **Address**: varchar data type , size 100

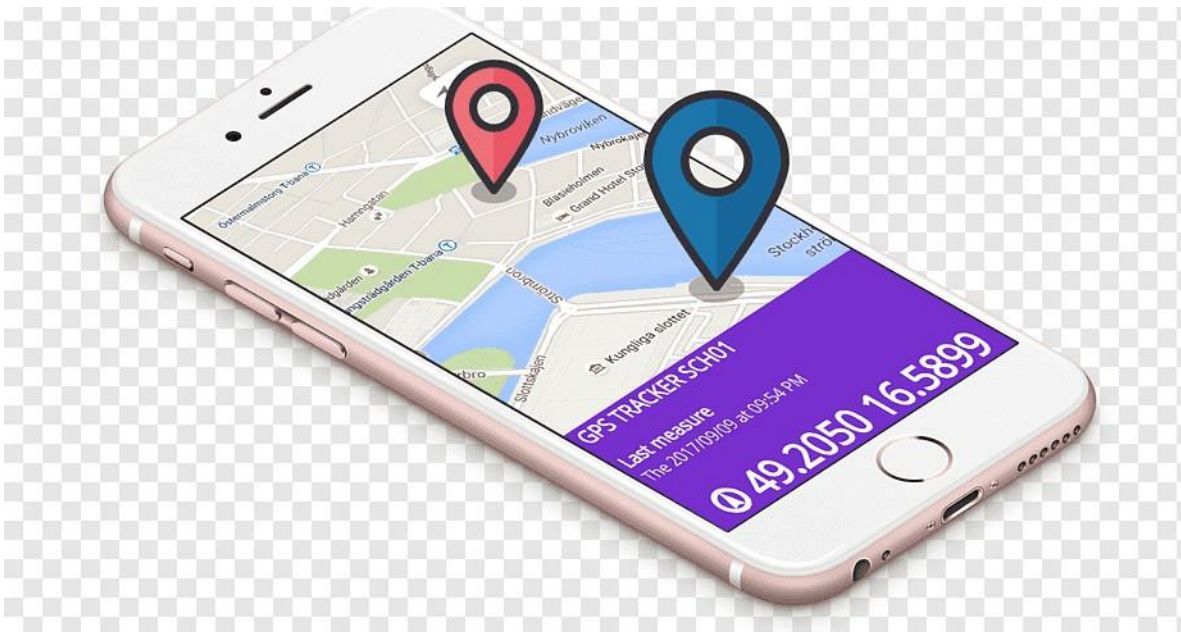
FUTURE ENHANCEMENT:

DATA SECURITY



This application is a basic form and user data security is important aspect .
which will be enhanced by including multiple views and appropriate
technology .

GEO LOCATION FACILITY



This will provide the geo location map with all the potential donors shown on
Map (can be done using APIs) and an algorithm that generates the details of
nearest potential donor .

CONCLUSION:

This is a basic web application connected to data server via xampp. This application model is on BLOOD DONATION SYSTEM . Which can be developed through various other technologies or algorithms . Here we register donors and connect them to the people who are in need on the basis of blood type and address.