

BloodNET User Manual

1. Project Description

BloodNET is a web-based application developed using .NET C# with a clean architecture. The project aims to create an efficient network connecting blood donors with those in need of blood donations. Key features of BloodNET include:

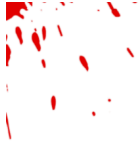
- User authentication & authorization (sign-up and login functionality)
- Blood request submission
- Blood donation offers
- Real-time notifications
- Ability to view responses to blood requests

The main goal of BloodNET is to streamline the process of blood donation, making it easier and faster for donors to connect with recipients, ultimately saving lives through a well-organized donation network.

2. Screenshots

Home Page





About BloodNET

Connecting Donors with Those in Need

BloodNET is a platform dedicated to connecting blood donors with those in need. We believe that everyone deserves access to safe and readily available blood transfusions. Through fostering a spirit of community and social responsibility, BloodNET aims to bridge the gap between blood supply and demand. Our user-friendly system simplifies the donation process and empowers individuals to become heroes in their own communities. Join BloodNET and be a part of the life-saving network!

[Learn more](#)

Together, We Can Save Lives

[Be a part of BloodNET](#)

Robert Jr.

"I'm grateful for the opportunity to contribute to such a noble cause through BloodNET. Their professionalism and care for donors are truly commendable."

Emily Smith

"BloodNET has made donating blood a seamless and rewarding experience. I feel proud to be part of their lifesaving mission."

Ali Khan

"BloodNET's user-friendly platform and supportive team have made my donation journey a fulfilling one. I highly recommend them to all donors."

Ahmad Ali

"Being a donor with BloodNET has been a rewarding experience. Their commitment to making a difference in the community is truly admirable."

David Wilson

Daniel Lee

"I'm proud to support BloodNET's lifesaving mission. Their dedication to ensuring a smooth donation process is truly commendable."

Abdul Hannan

"BloodNET has made it easy for me to give back to the community. Their professionalism and gratitude towards donors make me feel valued and appreciated."

Ryan Clark

Frequently Asked Questions (FAQs)

How often can I donate blood?	▼
What are the eligibility requirements for blood donation?	▼
What health conditions prevent me from donating blood?	▼
Will donating blood affect my health?	▼
What should I eat and drink before donating blood?	▼
What can I expect during the blood donation process?	▼
Is blood donation painful?	▼
Can I donate blood if I have a tattoo or piercing?	▼
What happens to my blood after I donate?	▼
Why is blood donation important?	▼

BloodNET

Donate Blood, Save Lives

Links

Privacy

Terms

Disclaimer

Contact

☎ (+92) 322-6291630

🏠 Lahore, Pakistan

✉ amaliccck@gmail.com

The main landing page of BloodNET.

About Page

BloodNET

Home Donate Find About Contact



Be the Reason Someone Lives

One easy donation. A lifetime of gratitude. Donate blood and save a life today.

BloodNET: Bridging the Gap in Blood Availability

BloodNET is a revolutionary platform designed to streamline the blood donation process, connecting potential donors with those in critical need of blood transfusions. We empower individuals to become heroes in their communities by simplifying the search and communication between blood requesters and donors. Our user-friendly platform eliminates unnecessary steps and facilitates immediate connections, ensuring timely access to life-saving blood transfusions.



Our Vision

We envision a world where everyone has access to the lifesaving gift of blood, regardless of location or circumstance. Through innovation and community engagement, BloodNET strives to create a robust blood donation network that eliminates shortages and empowers individuals to make a life-saving difference.

Together, We Can Save Lives

Be a part of BloodNET



How BloodNET Works: A Seamless Experience

For Blood Donors

Effortless Registration: Sign up for a free BloodNET account and create your personalized profile.

Eligibility Check: Our system guides you through a quick and confidential health questionnaire to determine your eligibility to donate.

Real-Time Matching: Our advanced algorithm matches your blood type, location, and other vital information with compatible blood requests in real-time.

For Blood Requesters (Hospitals/Clinics/Individuals)

Simplified Request Submission: Submit a detailed blood request through our secure platform, specifying the required blood type, urgency level, and other relevant details.

Real-Time Visibility: Your request instantly appears on the BloodNET network, visible to compatible donors in your area.

Efficient Matching: Our algorithm prioritizes potential donors based on location, blood type, and other criteria to ensure the fastest possible match.

Direct Communication: Once a donor accepts your request, you will receive their contact information to coordinate the blood donation process directly.

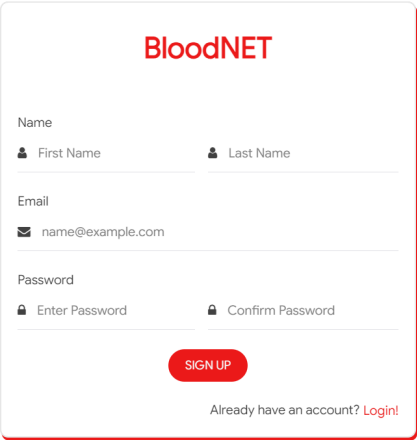
Blood Donation Eligibility

While most healthy adults can be blood donors, there are some general eligibility criteria. To learn more about specific requirements, please visit our comprehensive FAQ section or consult with a healthcare professional.

- **Age:** Typically between 17-70 years old (may vary by location)
- **Weight:** Minimum weight requirement (varies by location)
- **History:** Free from certain medical conditions or recent illnesses
- **Medications:** Some medications may temporarily disqualify you from donating

[Read FAQs for more information](#)

User Registration



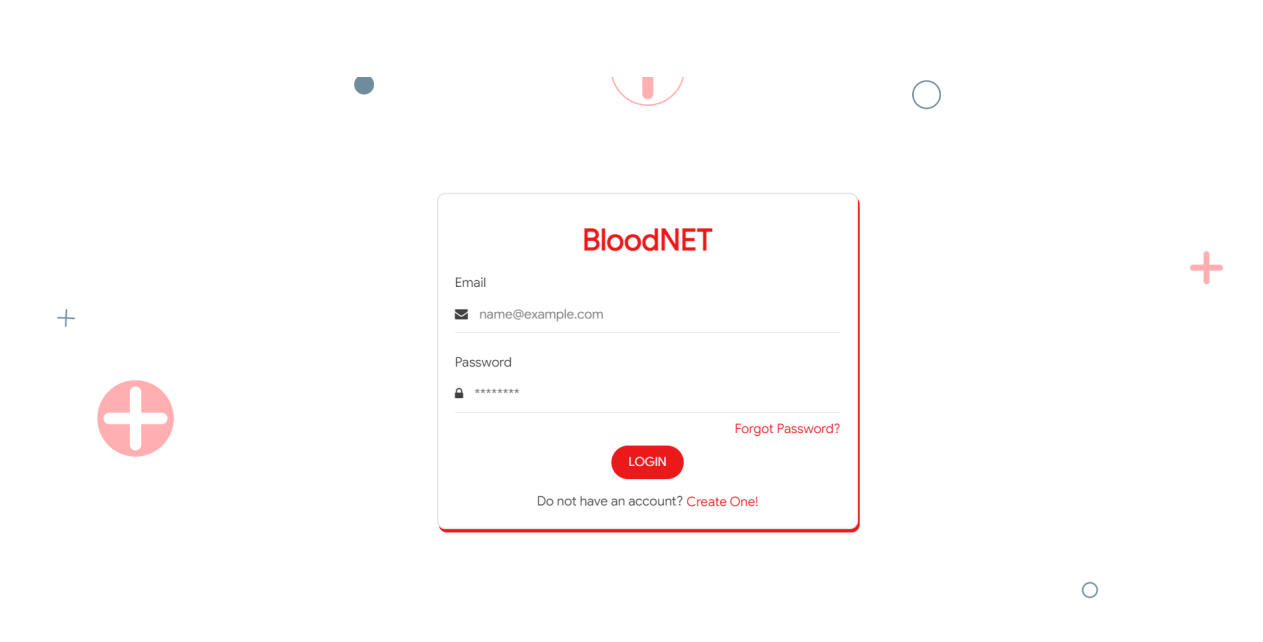
The registration form is titled "BloodNET" in red. It contains the following fields:

- Name:** Split into "First Name" and "Last Name" with person icons.
- Email:** With an envelope icon, showing the example "name@example.com".
- Password:** Split into "Enter Password" and "Confirm Password" with lock icons.

A red "SIGN UP" button is located below the password fields. At the bottom, there is a link: "Already have an account? [Login!](#)".

The page where new users can sign up for BloodNET.

User Login



The page where new users can sign up for BloodNET.

Blood Request Form

BloodNET

HomeDonateFindAboutContact

🌙👤

Submit Your Blood Request

Blood Group

Select Group

Date & Time

09/dd/2024 -- --

Blood Recipient Name

Enter Name

Blood Recipient Phone

Enter Phone Number

Location

Enter Address



Blood Required for

Enter the purpose of blood required

Submit Request

BloodNET

[Home](#)[Donate](#)[Find](#)[About](#)[Contact](#)



Submit Your Blood Request

Blood Group

Select Group

Date & Time

09/dd/2024 -- --

Blood Recipient Name

Enter Name

Blood Recipient Phone

Enter Phone Number


Location

Enter Address

Blood Required for

Enter the purpose of blood required

Submit Request





The form users fill out to request blood donations.

Donation Offer Page

BloodNET

[Home](#)[Donate](#)[Find](#)[About](#)[Contact](#)



Real-time Requests

Blood Group

All

Filter

Name	Blood Group	Location	Date & Time	Action
Abdullah	A-	Lahore	8/13/2024 1:49:00 PM	Accept
Abdullah	A+	lahore	8/12/2024 1:51:00 PM	Accept
Abdullah	A-	lahore	8/13/2024 2:02:00 PM	Accept
Abdullah	AB+	Lahore	8/12/2024 2:20:00 PM	Accept
Abdullah	A+	lahore	8/13/2024 2:25:00 PM	Accept
Abdullah	B-	Lahore	8/12/2024 2:27:00 PM	Accept
Abdullah	AB-	Lahore	8/13/2024 3:11:00 PM	Accept
Abdullah	B+	Lahore	8/11/2024 3:17:00 PM	Accept

BloodNET

Home

Donate

Find

About

Contact

Real-time Requests

Blood Group

All

Filter

Name	Blood Group	Location	Date & Time	Action
Abdullah	A-	Lahore	8/13/2024 1:49:00 PM	Accept
Abdullah	A+	lahore	8/12/2024 1:51:00 PM	Accept
Abdullah	A-	lahore	8/13/2024 2:02:00 PM	Accept
Abdullah	AB+	Lahore	8/12/2024 2:20:00 PM	Accept
Abdullah	A+	lahore	8/13/2024 2:25:00 PM	Accept
Abdullah	B-	Lahore	8/12/2024 2:27:00 PM	Accept
Abdullah	AB-	Lahore	8/13/2024 3:11:00 PM	Accept
Abdullah	B+	Lahore	8/11/2024 3:17:00 PM	Accept

The page where users can offer to donate blood in response to requests.

Responses for the Requests

BloodNET

Home

Donate

Find

About

Contact

Your Requests

Blood Group	Date	Contact	Actions
A-	8/13/2024 1:20:00 PM	03234343435	<div>Delete</div> <div>4</div>
A-	8/13/2024 1:20:00 PM	03234343435	<div>Delete</div> <div>3</div>
#	Name	Contact No.	Time
1	Developer Malik	03214242523	8/11/2024 2:50:13 PM
2	AB Malik	32262819230	8/12/2024 10:41:51 AM
3	AB Malik	32262819230	8/28/2024 12:17:45 AM
AB-	8/12/2024 1:23:00 PM	02326223212	<div>Delete</div> <div>4</div>

BloodNET

Home

Donate

Find

About

Contact

Your Requests

Blood Group	Date	Contact	Actions
A-	8/13/2024 1:20:00 PM	03234343435	<div>Delete</div> <div>4</div>
A-	8/13/2024 1:20:00 PM	03234343435	<div>Delete</div> <div>3</div>

#	Name	Contact No.	Time
1	<div></div> <div>Developer Malik</div>	03214242523 <div></div>	8/11/2024 2:50:13 PM
2	<div></div> <div>AB Malik</div>	32262819230 <div></div>	8/12/2024 10:41:51 AM
3	<div></div> <div>AB Malik</div>	32262819230 <div></div>	8/28/2024 12:17:45 AM

AB-	8/12/2024 1:23:00 PM	02326223212	<div>Delete</div> <div>4</div>
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Real-time Notifications

BloodNET

Home Donate Find About Contact

Imagine the feeling of knowing you saved a life

Donate Blood, Save Lives

Donate Blood

Need Blood

Blood Request: O+
 Location: CMH Lahore
 Time: 9/22/2024, 6:01:00 PM
 Name: Abdullah Malik

An example of how real-time notifications appear when a new blood request is made or when someone offers to donate.

3. GitHub Repository

You can find the source code for BloodNET on GitHub at the following link:

<https://github.com/pupucit/se21-scd-project-MalikAbdullah>