**Introduction:**

MedicAid+ is a PHP-based website. The goal of this project was to create a blood management information system that would aid in the maintenance of blood donor

records and make it easier or more controlled to distribute blood around the country based on hospital demand.

The application is reduced as much as possible to avoid errors while entering the data. It also provides error message while entering invalid data. No formal knowledge is needed for the user to use this system. Thus, by this all it proves it is user-friendly. MedicAid, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus, it will help organization in better utilization of resources.

Every organization, whether big or small, has challenges to overcome and managing the information of Donor, Blood Bank, Blood, Plasma, Patient, Blood Group, Ambulance. Every Blood Bank Management System has different Blood Bank needs. Therefore we design exclusive systems that are adapted to your managerial requirements. These systems will ultimately allow you to better manage resources.

**Features of the project:**

1) Creating & Changing Issues at ease

2) User Accounts to control the access and maintain security

3) Attachments & Additional Comments for more information

4) It contains better storage capacity.

5) Easy & fast retrieval of information.

6) Decrease the load of the person involve in existing manual system.

7) Access of any information individually.

8) Work becomes very speedy.

9) Easy to update information

Stakeholders:

Owners

Employee

Donors

Users

Patients

Ambulance owners

Volunteers

Medical receptionists

Competitors

Sponsors

Functional Requirements

1. Login/ Signup

2. Donor profile/ registration

3. Stock Management

4.Donating Criteria

5.Contact us

6. Covid-19 tracker

6.Map

Non functional Requirements

1. Availability: Project will be accessible to users in Bangladesh.

2. Security: Ensures privacy.

3. Performance: System should be able to handle multiple users at a time using the web browser.

4. Reliability: To avoid data inconsistency, the database should follow transaction processing.

Advantages

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Recipients can get blood easily.

In case of emergency, if the blood group is rare, he/she can find for the certain blood group donor.

Donors can also donate blood easily by signing up.

Disadvantage:

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Requires active internet connection

Features:

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Online transfer of blood from one blood bank to another.

Provide a list of Donors who are eligible for donations on a particular date with a contact number.

Inventory management in blood bank for storage and issuance of blood.

Patient Register/ Blood Sample Receiving Register, Donor Register, Blood Issue Register and Discarded Blood report.

Donor Management- Donor Registration, Managing donor database, recording their physical and medical statistics.

Front End

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Main page

About page

User Sign-in page

User Log-in page

User profile page

Admin log-in page

Admin profile

Donation page

Volunteer page

Volunteer sign-up page

Volunteer log-in page

Volunteer orientation

Volunteer profile page

Expert volunteers

Under age 13 page

Ambulance page

Ambulance information page

Ambulance sign-in page

Ambulance log-in page

Ambulance profile page

Appointment page

Donation page

Donation form page

Bangladesh covid-19 info page

Blood donor information

Contact us page

Covid-19 page

Disaster page

Pregnancy page

Donating requirements page

Donor login

Donor signup

Donor profile

Feedback page

Footer & footer2 pages

Header & header2 pages

Information, information 1,2,3 pages

Plasma donor information page

Thank you pages

Back End

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1. Account Creating, Password Recover:

a. Sign up form, verification by mobile or email.

b. Login form: user, admin, volunteer, donor, ambulance

c. Delete profile

d. Edit profile

e. Forgot Password

f. Appointment form

g. Donation form

Tools and Technologies:

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Bootstrap 4

PHP

HTML

CSS

Sublime Text/Atom

Database: phpMyAdmin

Selenium

user story

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1. Sign up

Use case diagram

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Sequence diagram

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Class diagram

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Screenshot

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Test Cases

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Testing

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1. Validation Testing

2. Defect Testing