Yousef Eid Alatwi, Ibrahim Abdul Rahim Ramadan, Riyadh Ali Alshehri, Mohammed Abdullah Alasmari

Topic

BLOOD DONATION SYSTEM

Abstract

The Blood Donation System is a smart web-based platform developed to streamline the process of blood donation.
This system helps users locate nearby blood banks, check their eligibility, and schedule donation appointments.
By improving the efficiency and accessibility of donation services, the system aims to reduce critical shortages and save more lives.

Objectives

- ❖ Reduce blood shortages .
- ❖ Connect donors with blood banks and hospitals .
- ❖ Enable users to check eligibility online .
- ❖ Allow appointment scheduling .
- ❖ Improve donation service efficiency .
- ❖ Raise awareness and
- ❖ participation .

project tools

- ❖ Visual Studio Code .
- ❖ HTML / CSS / JavaScript .
- ❖ PHP for backend development .
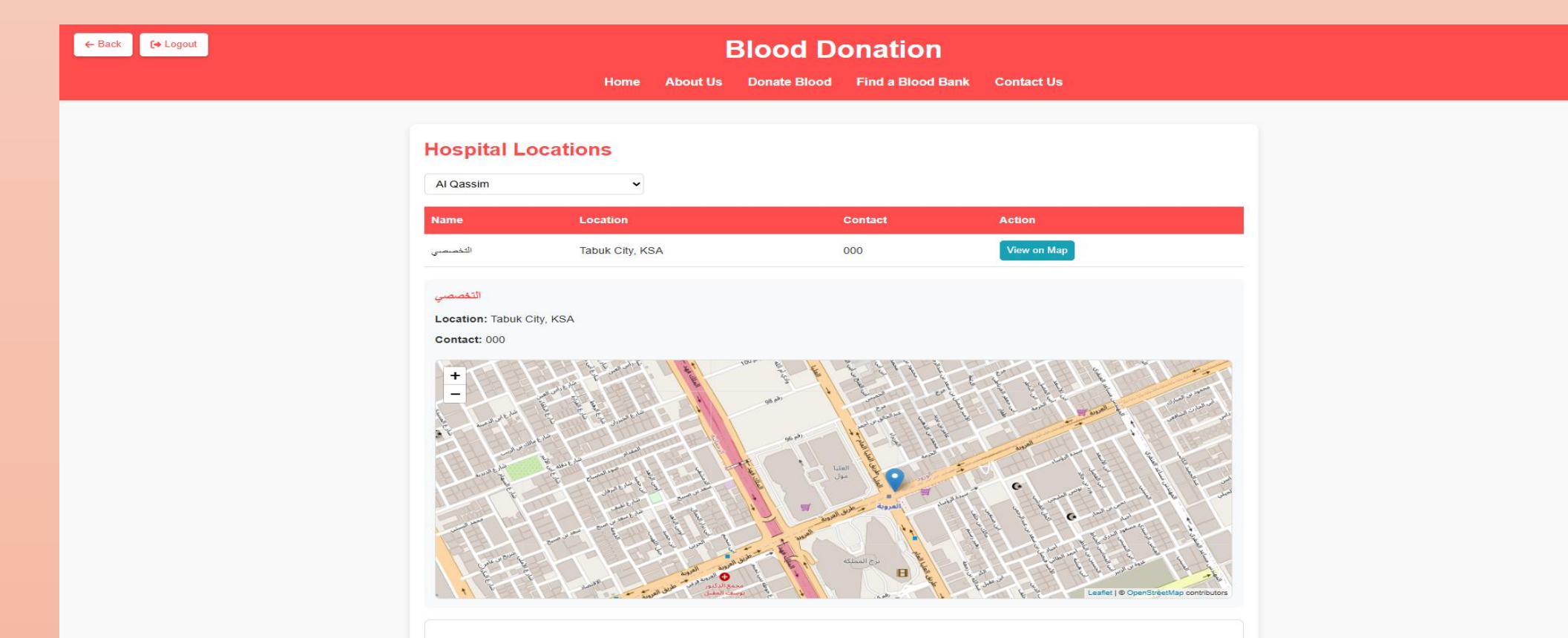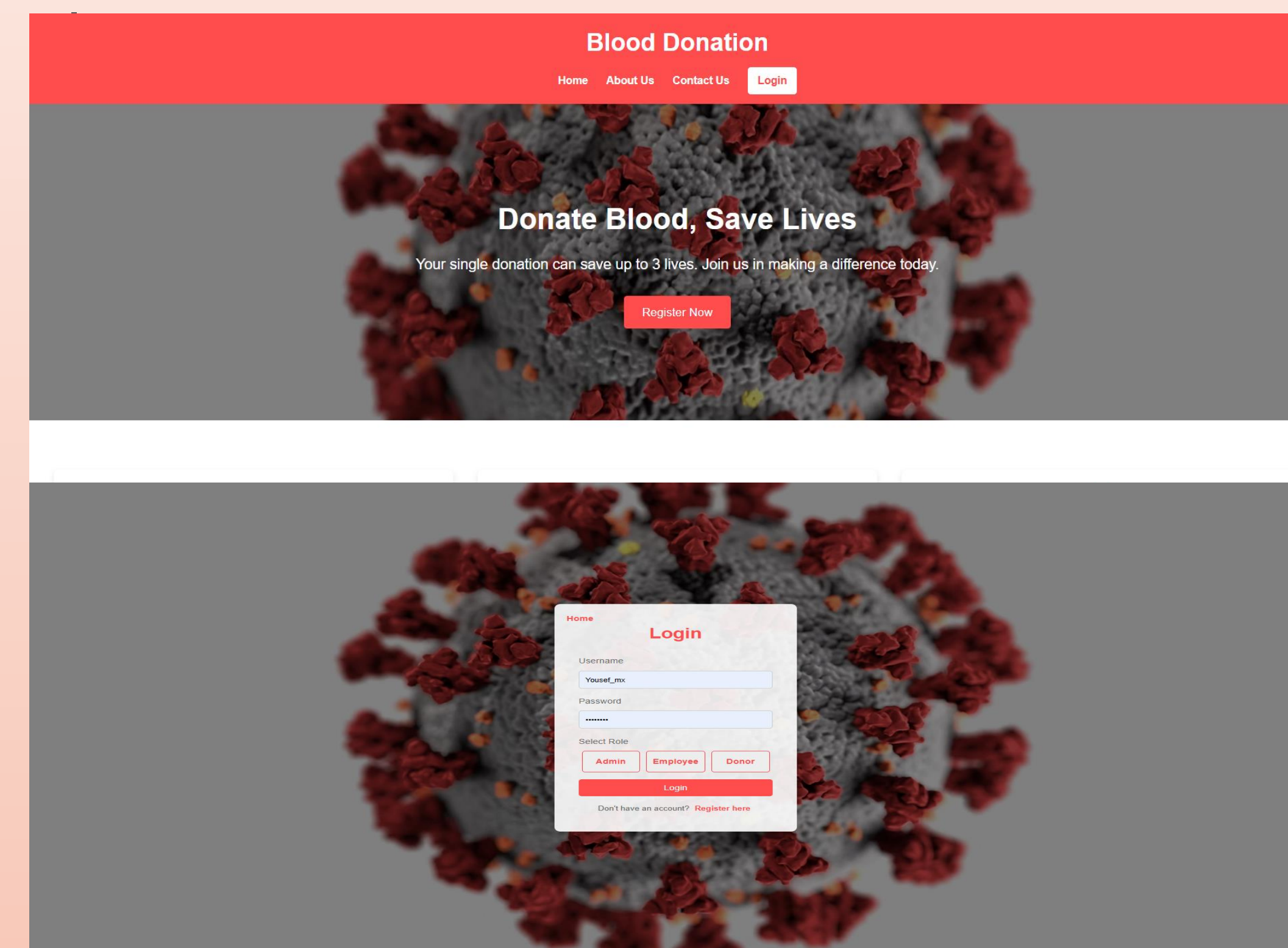- ❖ XAMPP local host and database.

Project database

Project interface

REFERENCES

- ☐ World Health Organization Blood Donation Guidelines Ministry of Health Saudi Arabia .

Blood Donation

- ❖ A single blood donation can save up to **3 lives** .
- ❖ You can donate every **8 weeks** .
- ❖ Blood type **O-** is the universal donor .
- ❖ Only **5%** of eligible people donate regularly .

ACKNOWLEDGEMENTS

conclusion

The system has successfully simplified the process of blood donation. reduce blood shortages in emergencies. By making the platform accessible and user-friendly, more individuals are encouraged to participate, which could help