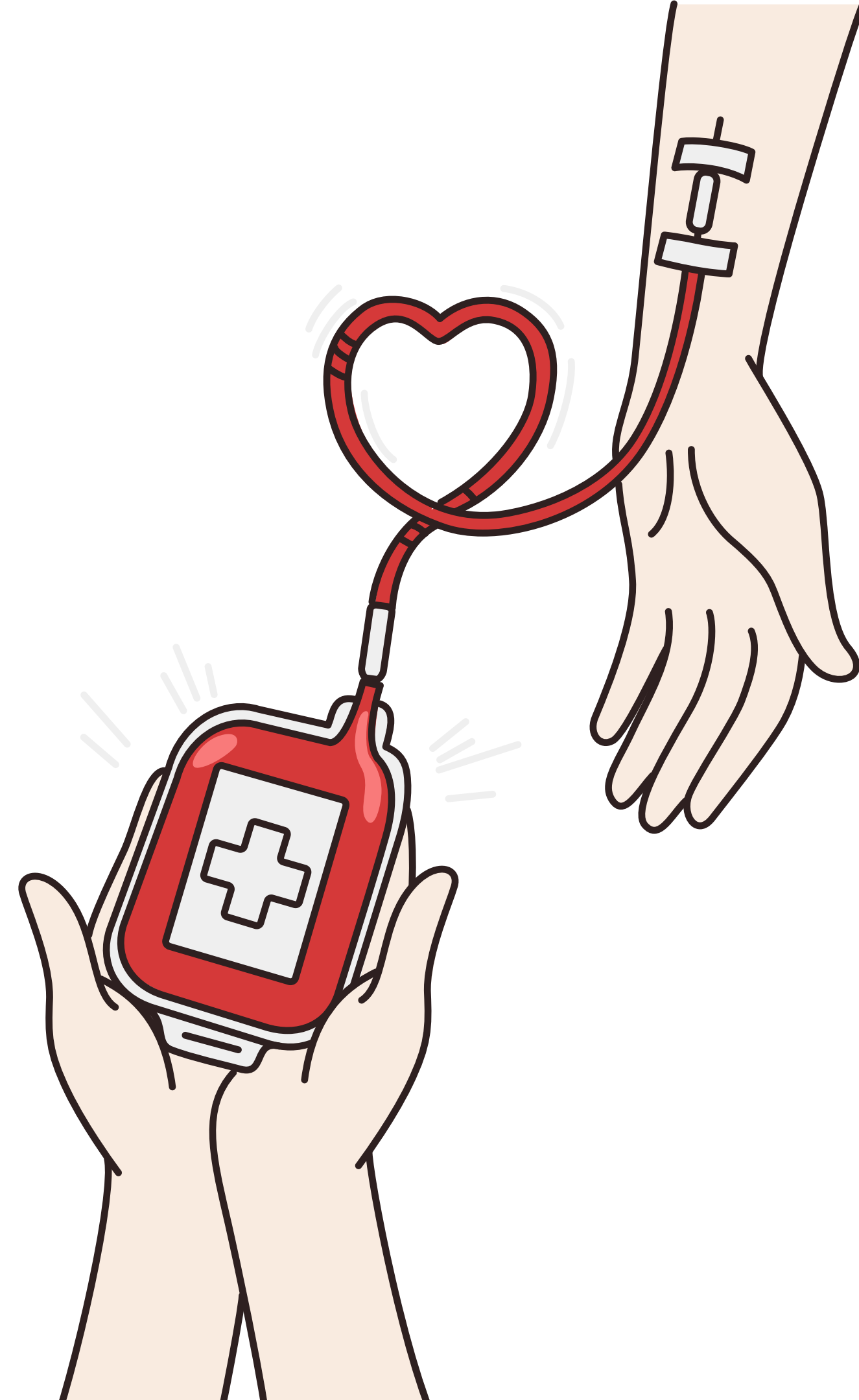


Warred

Blood Donation Application



What is “Wareed”?



We developed the “Wareed” blood bank app with the aim of addressing critical gaps in blood donation systems. We recognized the urgent need for a more efficient platform

Our motivation stems from the potential to save lives by streamlining the blood donation process. “Wareed” allows users to easily register as donors, find nearby blood donation events, and receive real-time alerts about urgent blood needs.



Why this idea?



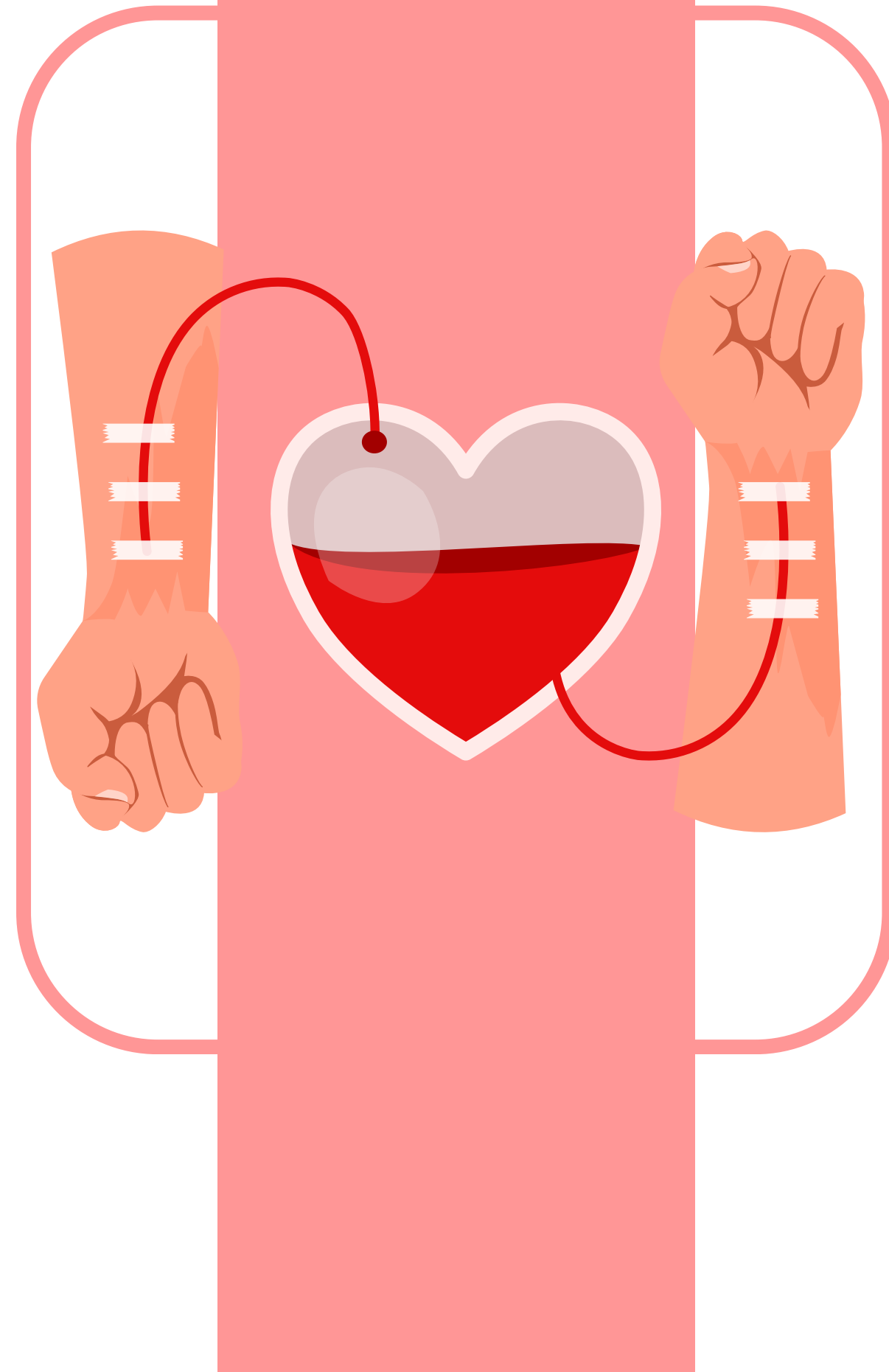
We chose the "Wareed" blood bank app because we wanted to create a user-friendly solution that makes donating and receiving blood more accessible. Our goal is to save lives by connecting donors with those in need quickly and efficiently.



Why our app is important ?



- Millions rely on donated blood for medical treatments.
- Our app Connects donors with blood banks and maintains blood inventory.
- Our app will take the responsibility to connect to the blood bank system to centralize collection, testing, storage, and distribution.
- Because it is Critical role in healthcare, our app will ensure safe blood supply.



Challenges and how to overcome them



- **Communication Problems:**

- Challenge: We could not make time to gather all members and meet because we could only meet in university.
- Solution : have online meetings

- **Time management :**

- Challenge: We didn't have the all time to work on the project due to midterm exams and quizzes.
- Solution: We develop a daily or weekly schedule outlining tasks and deadlines.



Project Planning:

SRS-file:

The tasks in our SRS document were split into eight parts, to enable each group member to select a topic and focus on it. We established a time limit for submission to ensure fast and proficient completion. Subsequently, after that we made a meeting to showcase all the work and assess any modification or suggestions.

SDD-file:

In order to discuss the specifications about the tasks in the SDD document, we scheduled a meeting in the university. And because of the diagram required in the file and the shortage of time, the tasks were divided into eight parts. This division allowed each member to focus on her own diagram. Then a meeting was held later to verify the completion of the file.

The Presentation:

We divided the tasks equally between us.

10 Days

SRS

Started
17/9/2023

Ended
27/9/2023

17 Days

SDD

Phase 1:
Phase 2:

Started
2/10/2023
30/10/2023

Ended
4/10/2023
15/11/2023

2 Days

Presentation

Started
27/11/2023

Ended
29/11/2023

SRS (Software Requirements Specification)



The SRS document for “Warred” app provides an overview of the system, user requirements, and use case scenarios. It also specifies the requirements for external interfaces and outlines nonfunctional requirements such as performance and security. Additionally, the document describes the methods used for gathering, analyzing, and validating requirements. This comprehensive document guides the development team in creating an effective and user-friendly blood donation app.

Functional Requirement



- **logging system**

- 1.signup
- 2.login

- **main activity**

- 1.location access
- 2.specify closest blood bank
- 3.book an appointment
- 4.appointment confirmation

- **Community**

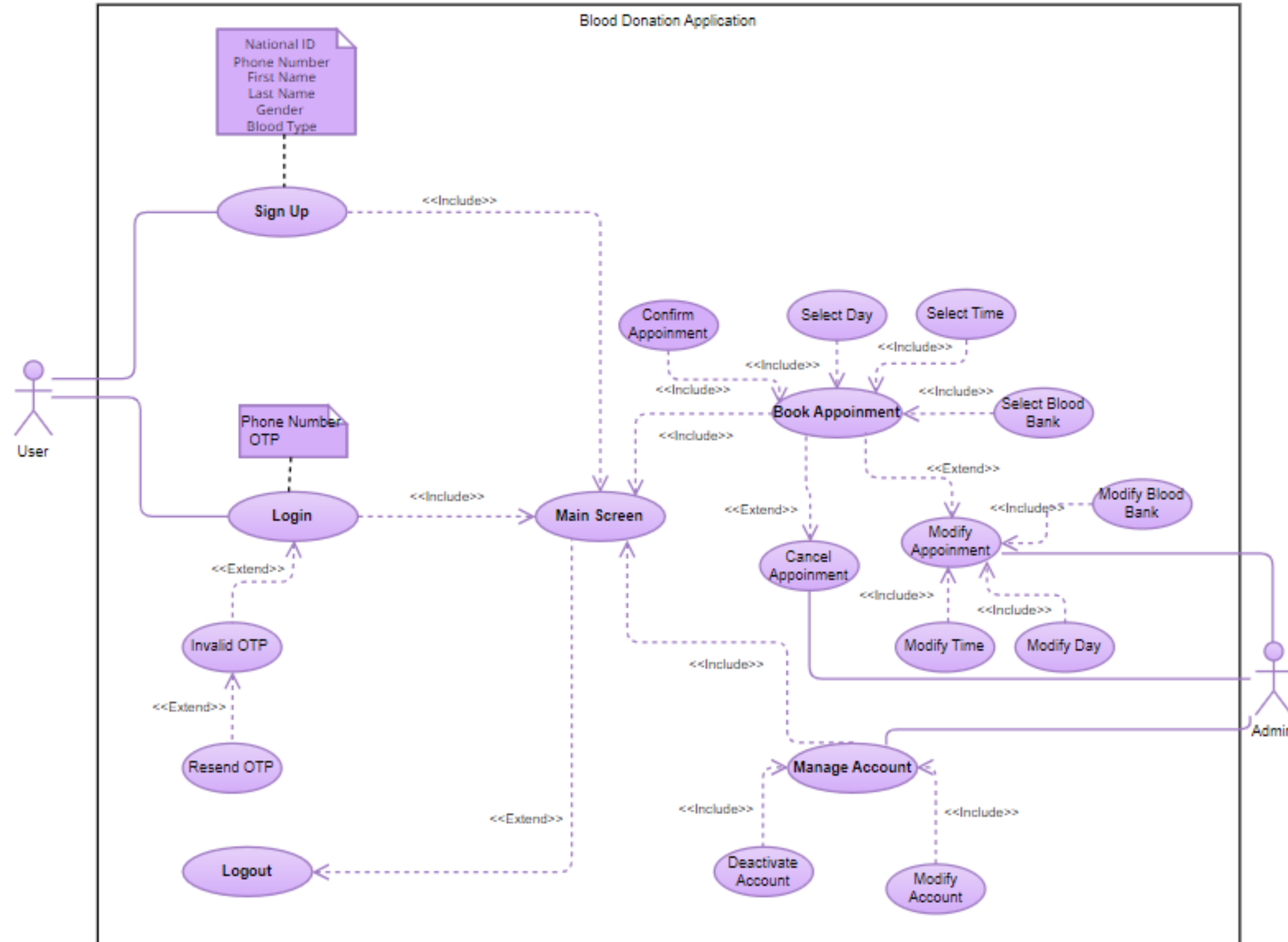
- contacts access

Non-Functional Requirements



- **Performance:**
- **Security**
- **Safety**
- **Software Quality Attributes**

Use Case

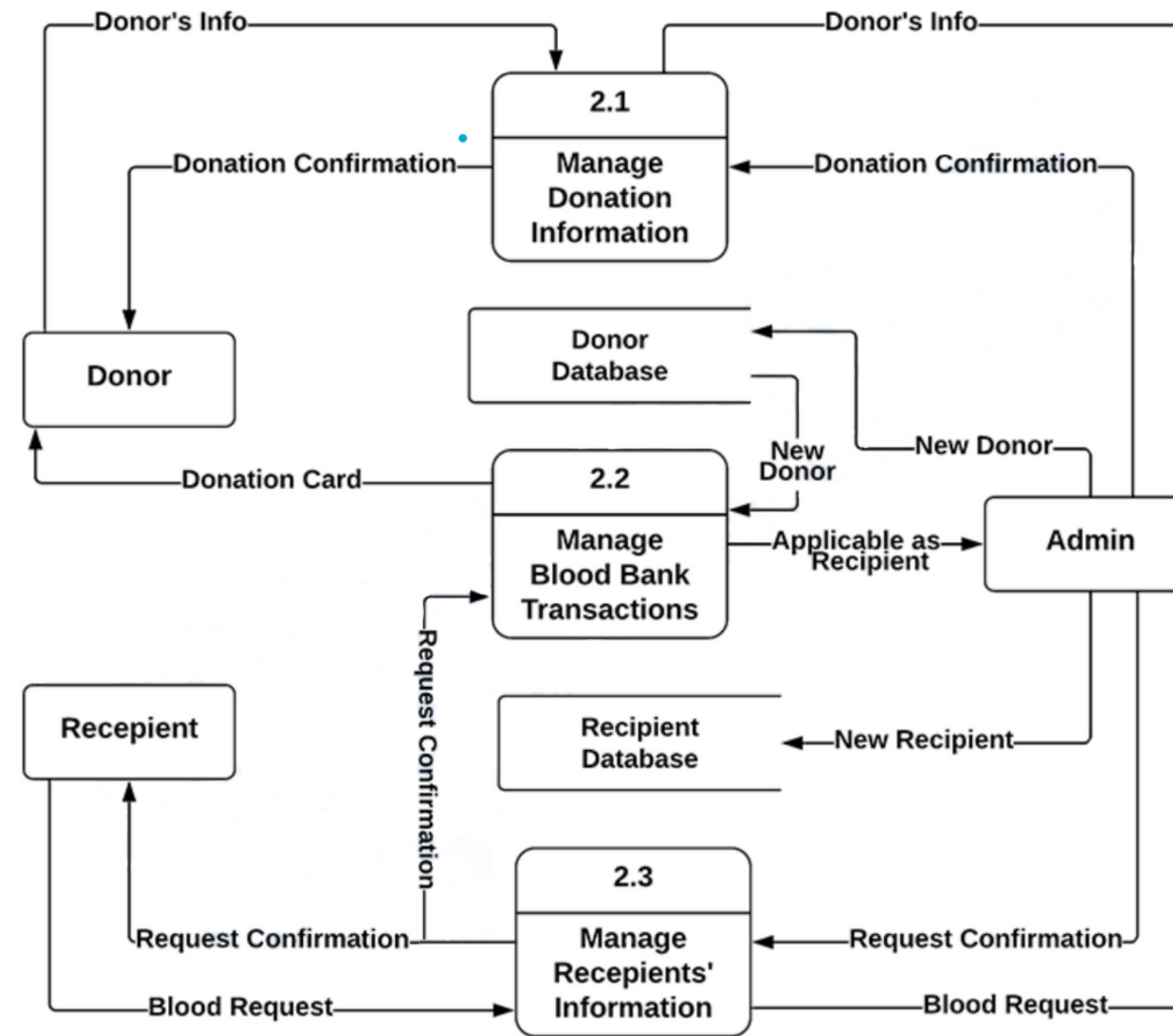


SDD (Software Design Document)

...

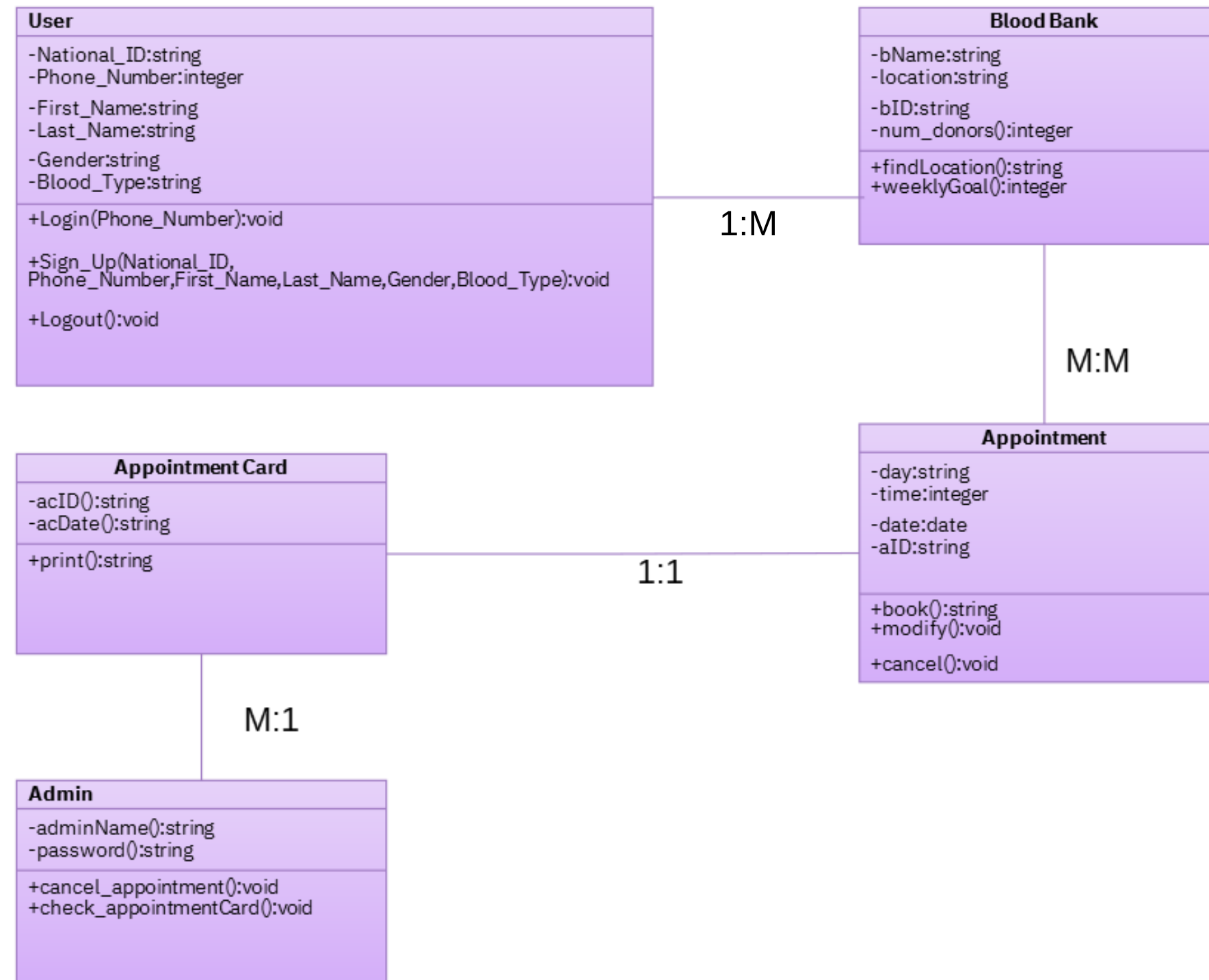
The Software Design Document (SDD) for “Warred” app provides a detailed description of the app's scope, constraints, software process activities and models, ethics considerations, system overview, system architecture ,components design, and data design. It outlines the objectives and target audience of the app, breaks down the system into its components, explains their roles and responsibilities, and provides design rationales. The SDD also covers the database design and data structure, ensuring effective data management . This comprehensive document guides the development team in designing a well-structured and functional blood donation app while considering technical, ethical, and design aspects.

Data-flow Diagram (DFD)

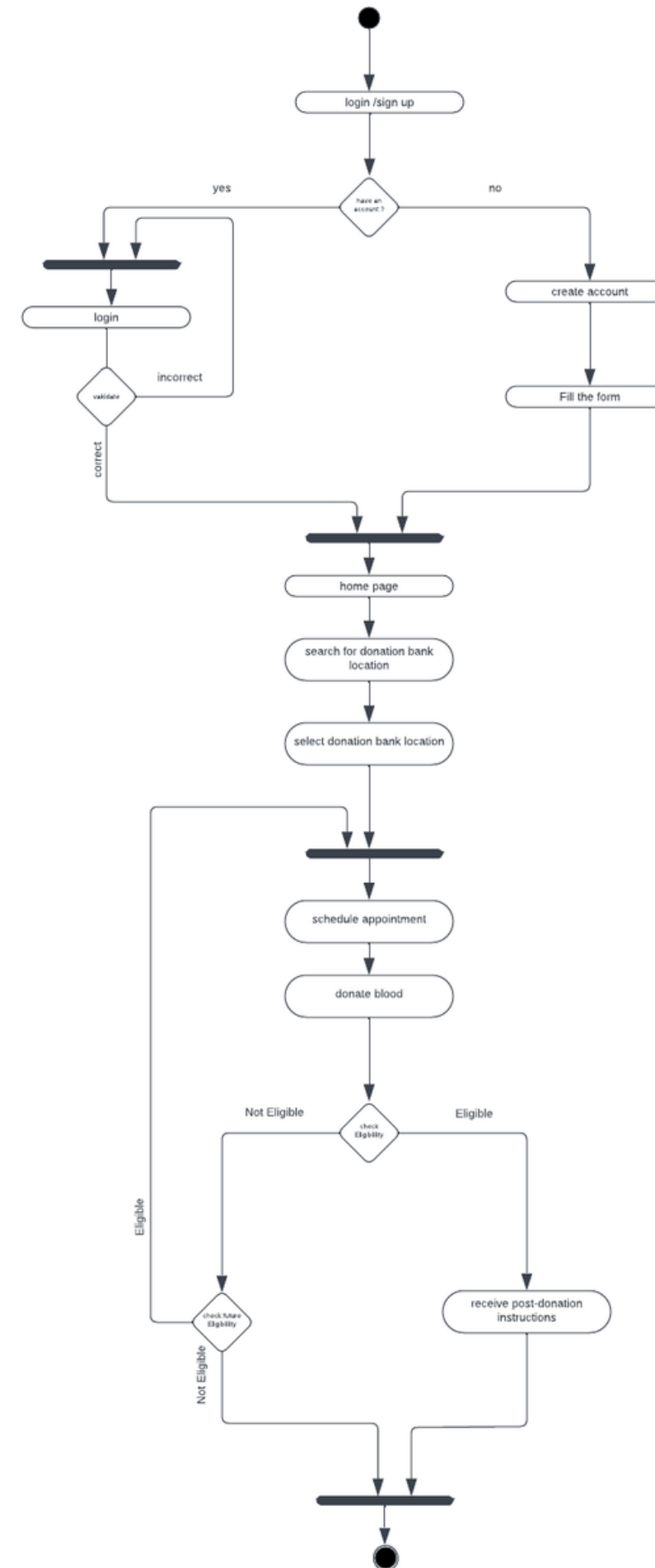


DFD level 2

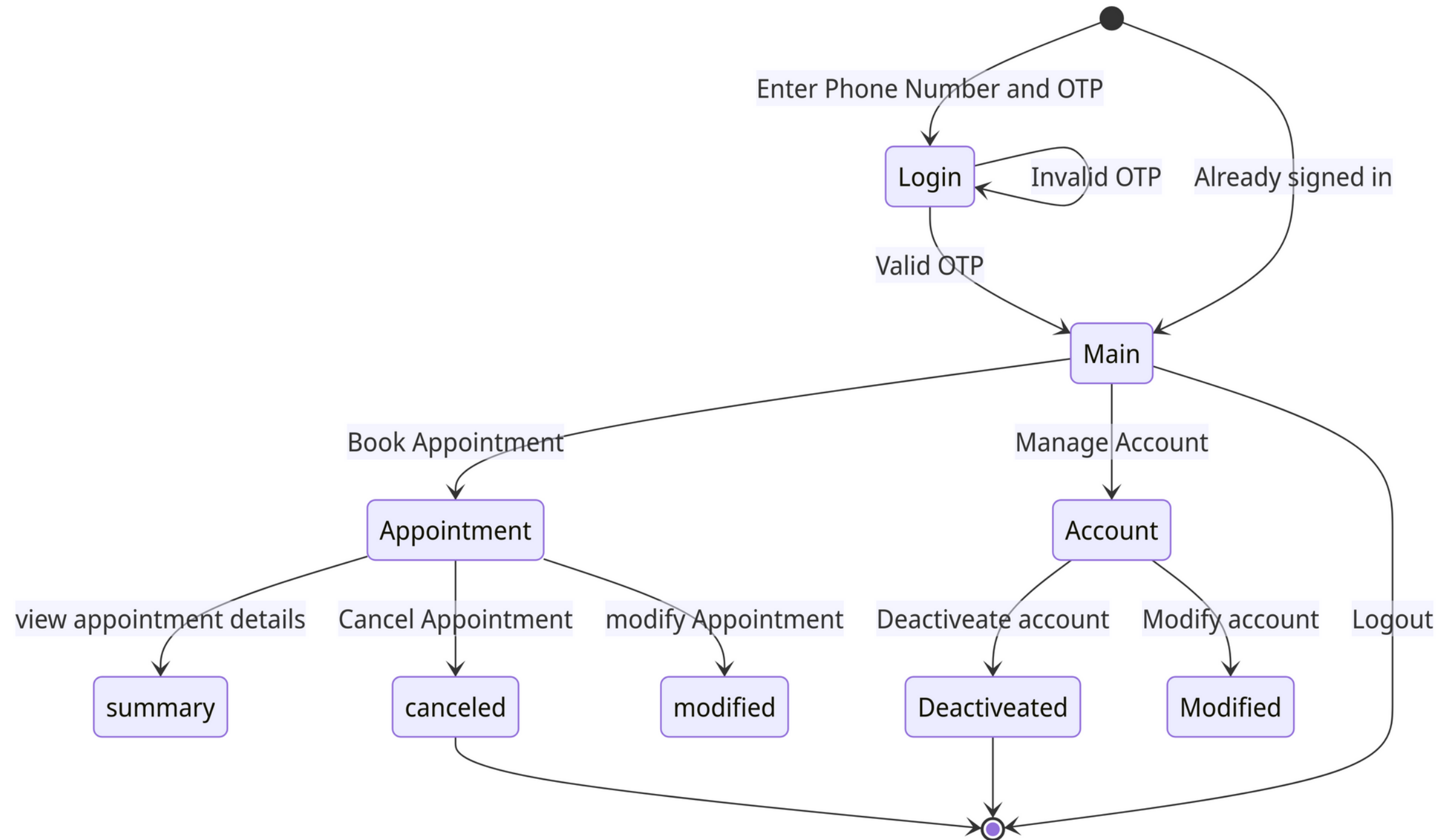
Class Diagram



Activity Diagram



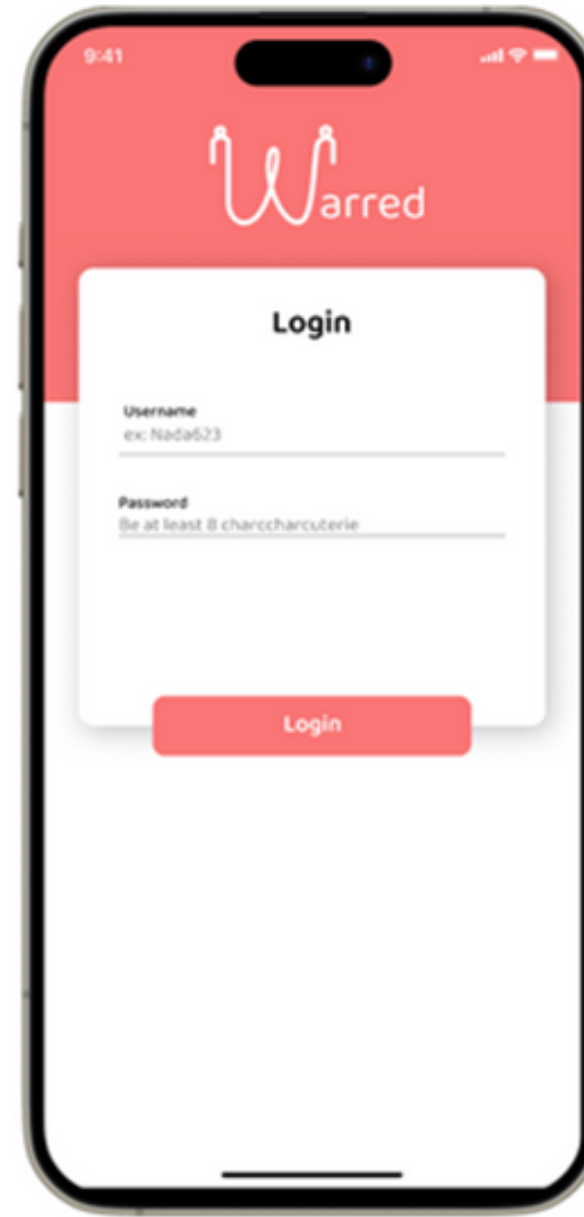
State Diagram



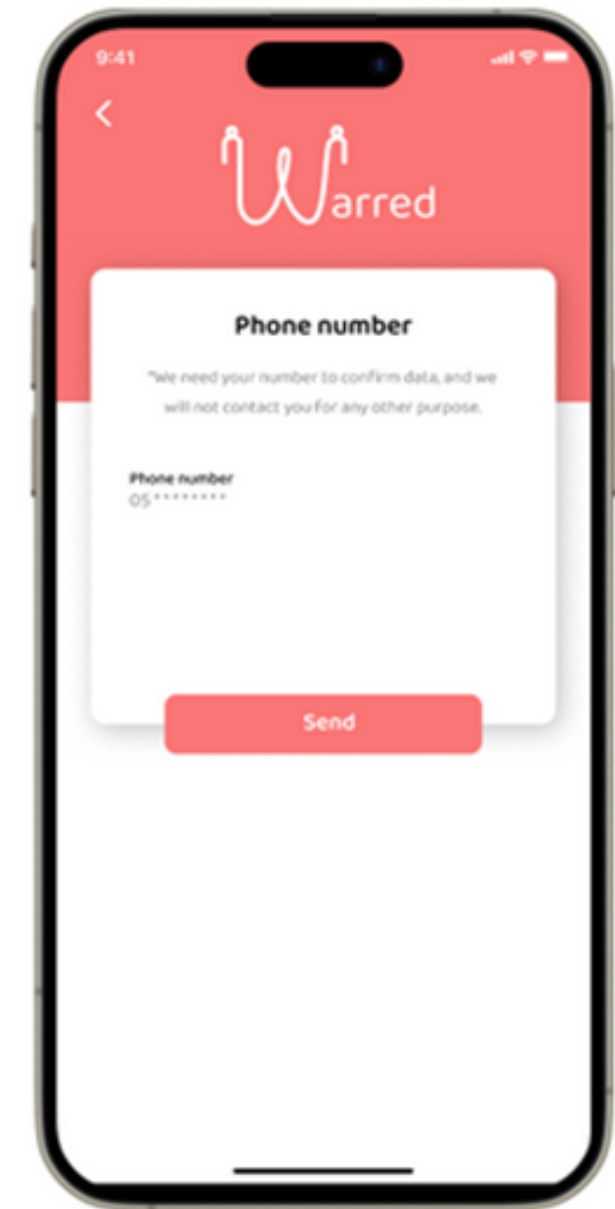
Design of User Interface



Warred's Logo
screen

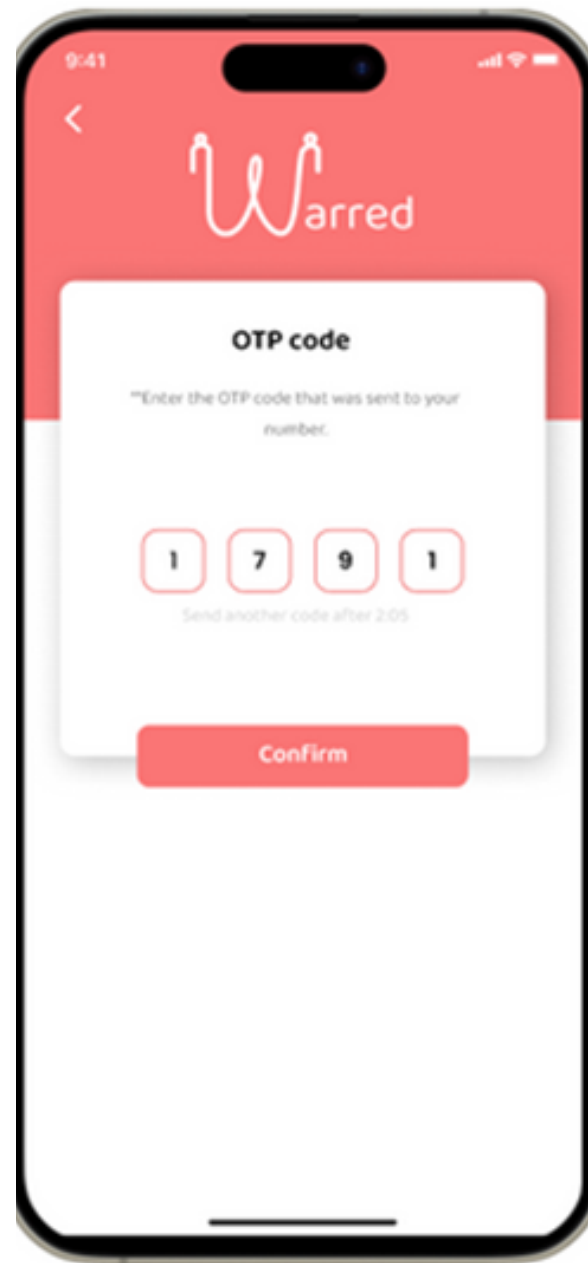


Login page

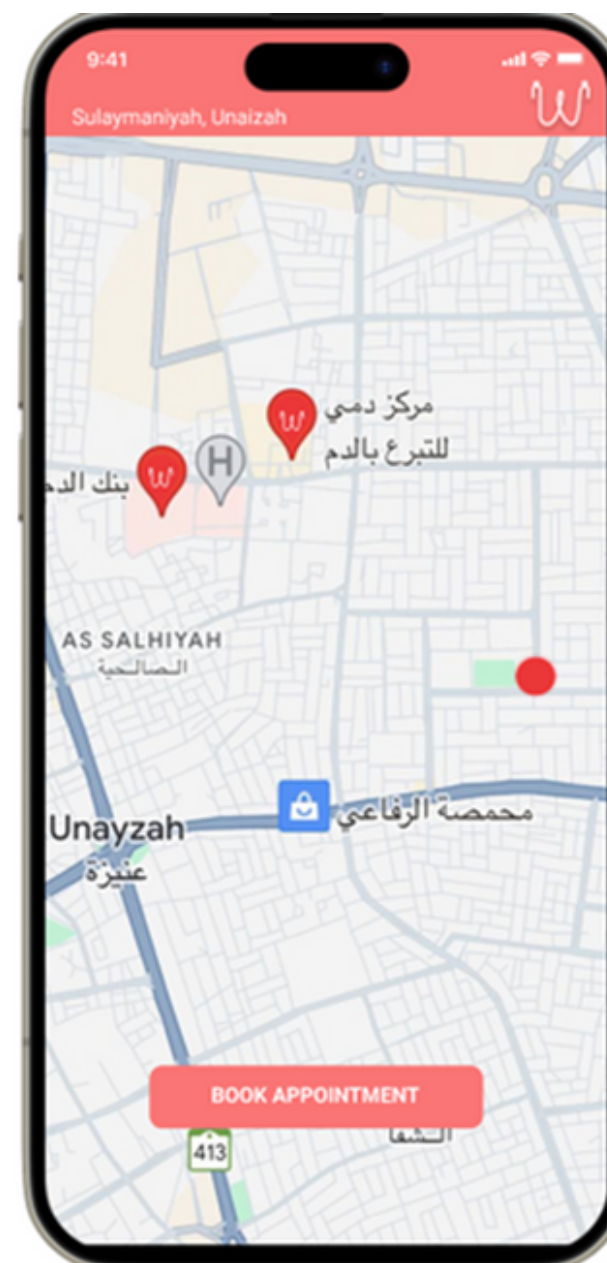


Login page

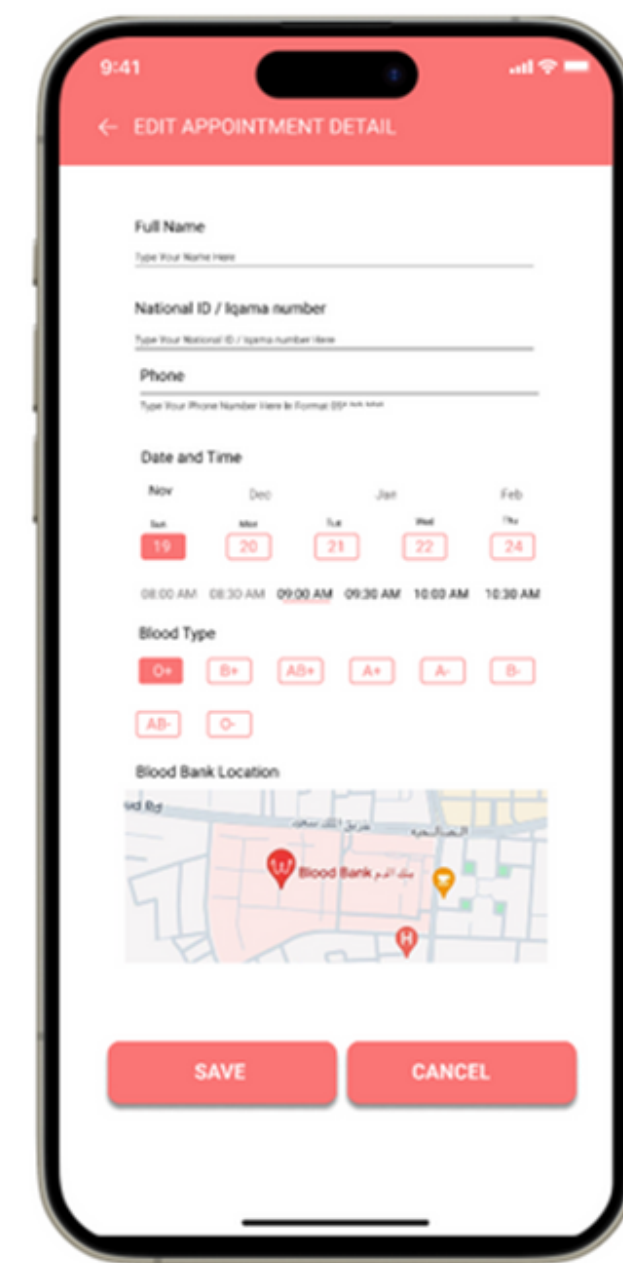
Design of User Interface



Authentication
page:

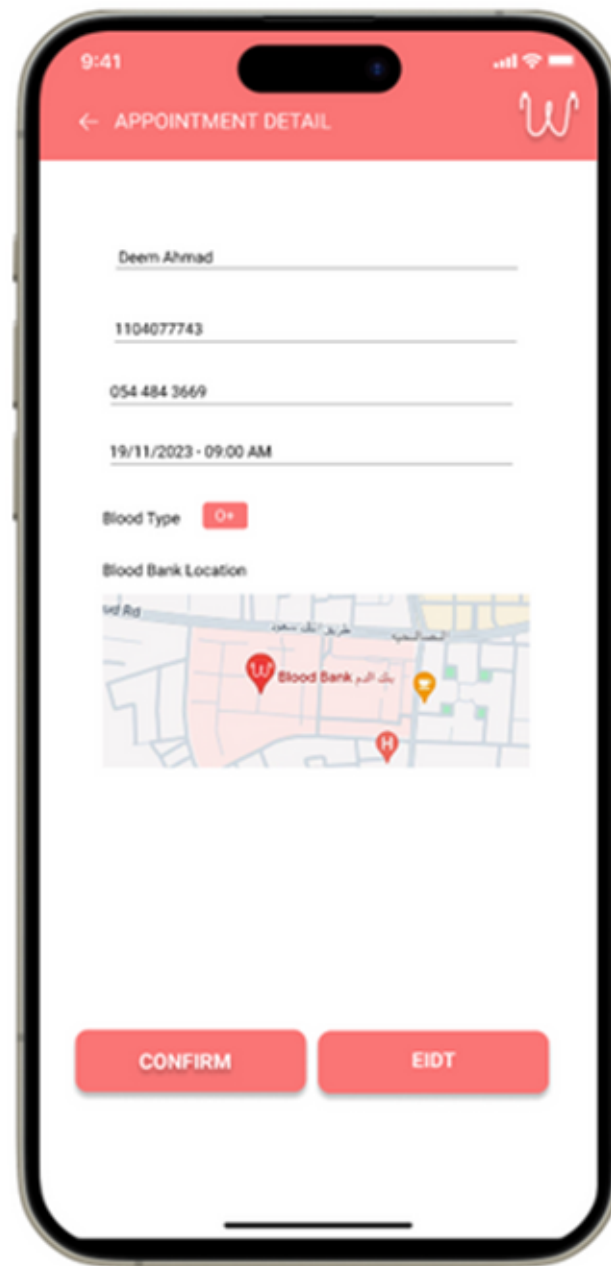


Home Page

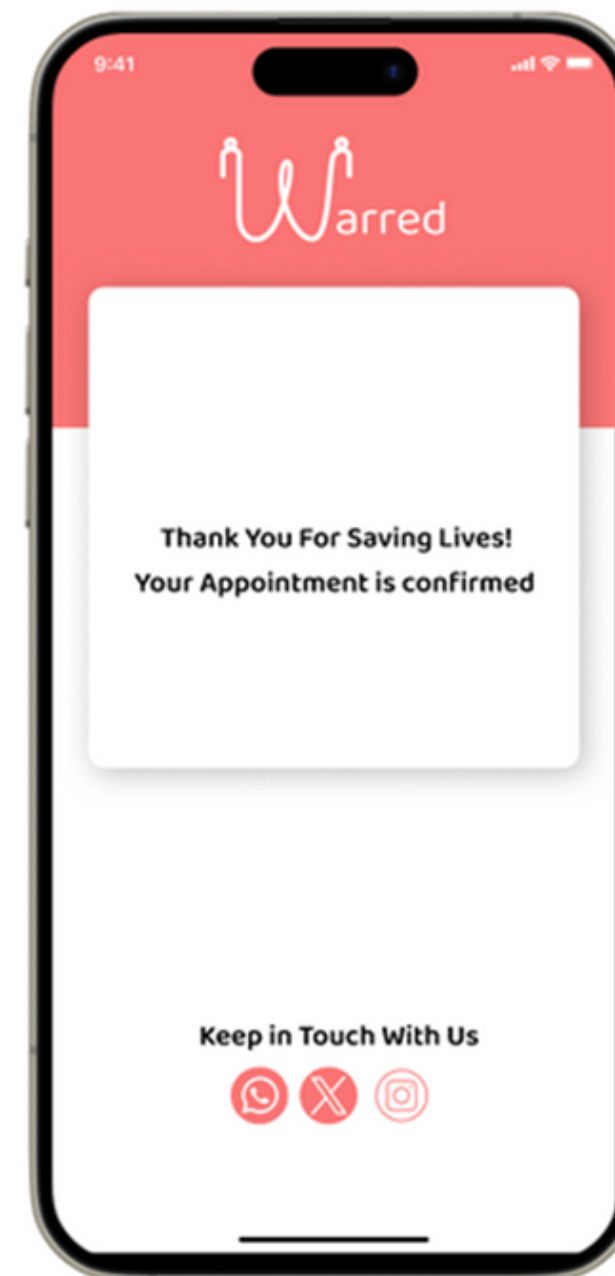


Appointment Details
(Save/Cancel) Page

Design of User Interface



Appointment Details
(Confirm/Edit) Page



Confirmation Page:

Warred Team

Want to Thank you

Reema Alnasser - ID : 421202130
Deema Alnasser - ID : 421202234
Deem Algherair - ID : 411202095
Wareef Alolayan - ID : 421202222
Shihanah Albadi - ID : 421202205
Jood Alolayan - ID : 421202232
Danah Alkughail - ID : 421202150
Seera Alhatlany - ID : 421202162

