BLOOD FOR LIFE

MOBILE APPLICATION

Application Development-2 (420-952-VA sect. 07001)

Submitted to:

Hasheminezhad, Mohammad Ali

Group Members:

Gurjas Singh (2101324)

Nancy Bansal (2021590)

Simranjeet Kaur (2102116)

INDEX

PROJECT DESCRIPTION

AIM: The aim of this project is to make a blood bank app using which receivers and donors can have access to each other in times of emergency. We tried to make this process easy via this blood for life application.

DESCRIPTION:

BloodForLife application will make it easy to manage a safe, secure, and accessible supply of blood and blood products. This app will help the donors to book, manage and keep track of their donations on the go. Users can locate their nearest blood donation centers.

ABOUT BLOOD FOR LIFE APP:

- This mobile application will allow a user to create an account on the application.
- The user can update their profile (name, contact, email address, address, blood group, age, gender).
- This application can be used by both the donor and receiver.
- When a patient needs a blood donation, the clinic (where the patient is admitted) can use the application to contact the blood donors in the vicinity or nearby city based on their location. The registered donors will get a notification about the blood donation needed at a specific clinic where they can go and donate.
- This application will also show nearby blood donation camps on Google Maps, where the donor can go and donate blood.

FUNCTIONAL REQUIREMENTS:

- Search for blood donation centers near you.
- Book, view or cancel a donation appointment.
- Easily sign-up or sign in to access your account information.
- View and manage your personal profile.
- View and manage your notification settings.
- View your donation history.
- Share your donation history on social.
- Send feedback.

NON-FUNCTIONAL REQUIREMENTS:

- **Security:** This application is secure as if you have corrected credentials, only then you can login and access it.
- **Maintainability:** A clean and consistent coding standard is followed as code is not so complex and classes are properly defined and focused with sensible names.
- **Reliability:** This application provides quality and reliability by giving response in limited time frame.
- **Scalability:** This application can handle enough users.
- **Performance:** It provides flawless user experience to customers.

USER STORIES

As	I want to	So That	Test Criteria
User	Create account	I can create an account to access the application	Must enter the required fields
User	Sign in	I can login to the application	Must enter Email-id and Password
User	To retrieve my password	I can retrieve the forgotten password	Click on forgot password
User	Edit user profile	I can edit my personal details	Enter full name, Email and Blood group. Click on update or cancel
User	Find donors	I can find blood donors when required	Click on find donors
User	Donate blood	I can be available for the donation	Activate the donate switch
User	Know my history of receiving and Donating blood	I can see the history details	Click on Donated and received blood users
User	Give Feedback on the application	I can provide feedback	Feedback should be submitted
User	Search nearby hospitals	I can search nearby hospitals and blood donation camps	Click on Google map
User	Call in case of emergency	I can call on the emergency services	Click on Emergency button
User	Sign up with google	I can sign up with google.	Click on sign up with google.

User	Change settings	I can change phone number, and location	Click on field
User	Logout	I can log out	Click on the logout button

INDIVIDUAL'S ROLES AND RESPONSIBILITIES:

Gurjas Singh: Front-end, database, google sign up, google API, contributed to project report.

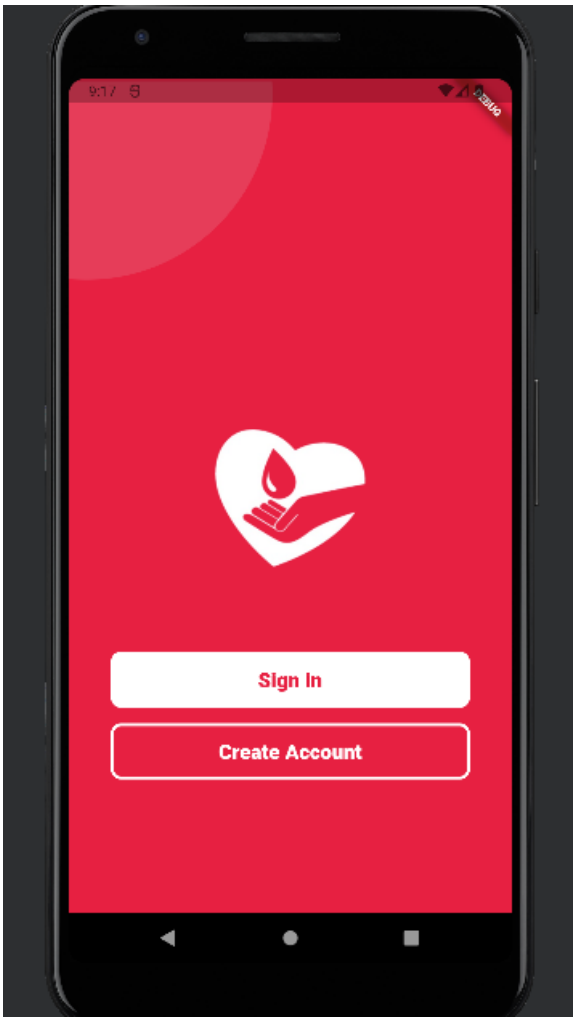
Nancy Bansal: Front-end, database, project report, contributed to google sign up

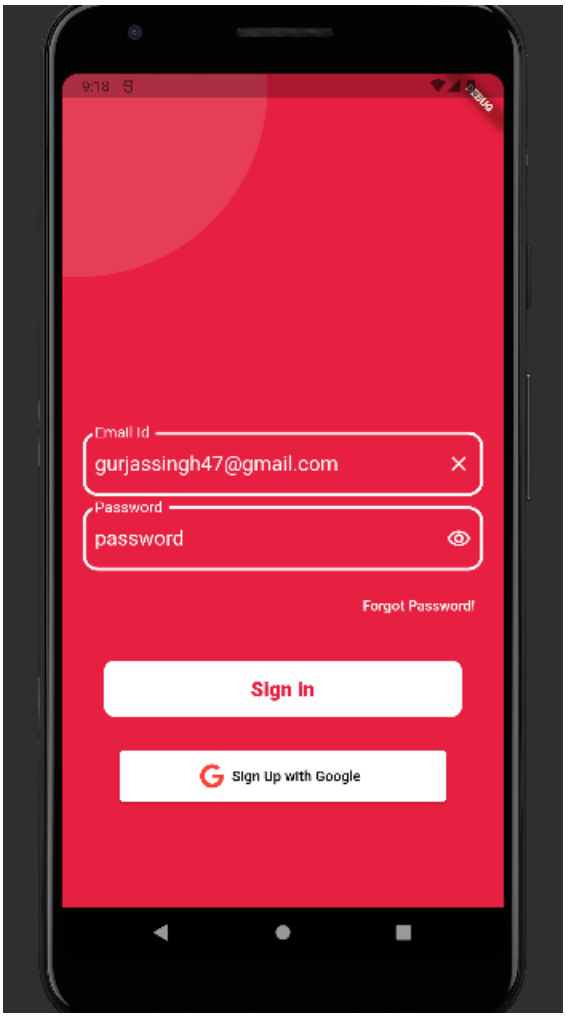
Simranjeet Kaur: Front-end, database, project report, contributed to google API

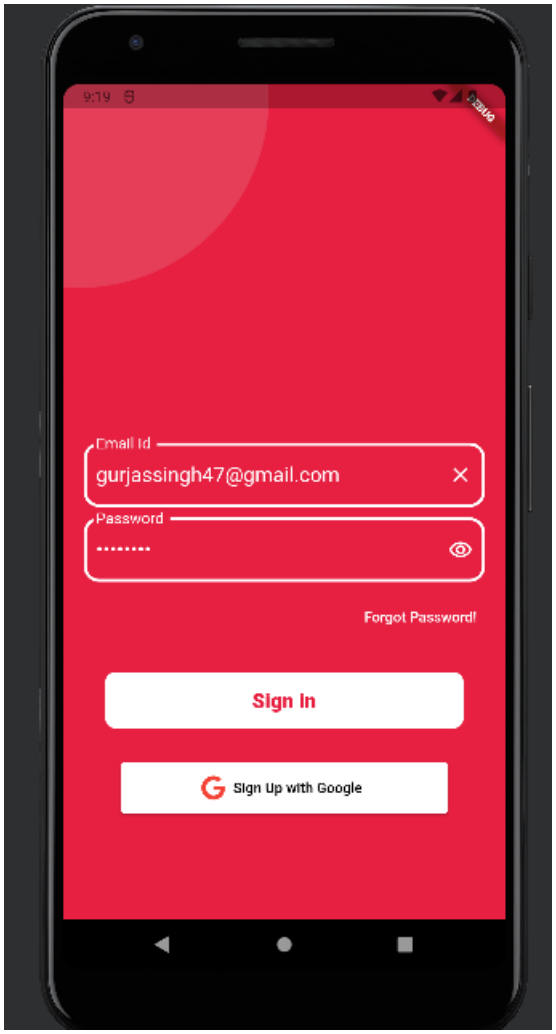
CHOSEN DATABASE: FireBase

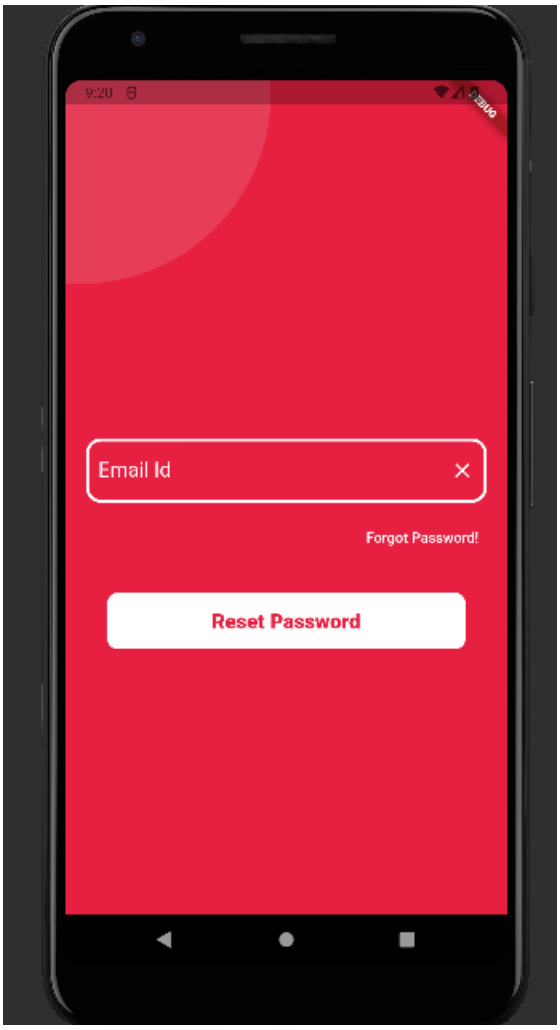
GitHub LINK: https://github.com/adinashby-vanier-college/app-dev-2-project-gurjas936.git

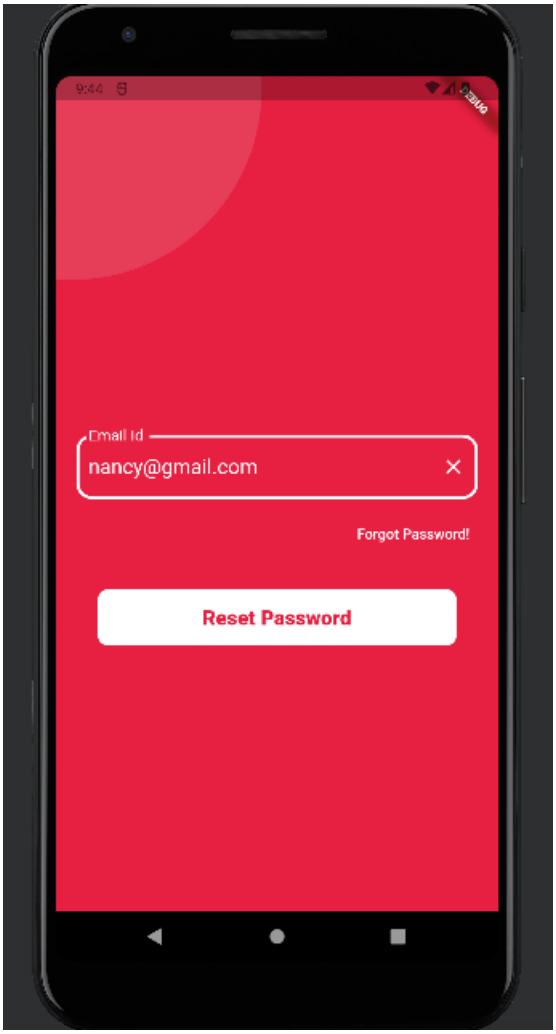
SCREENSHOTS:

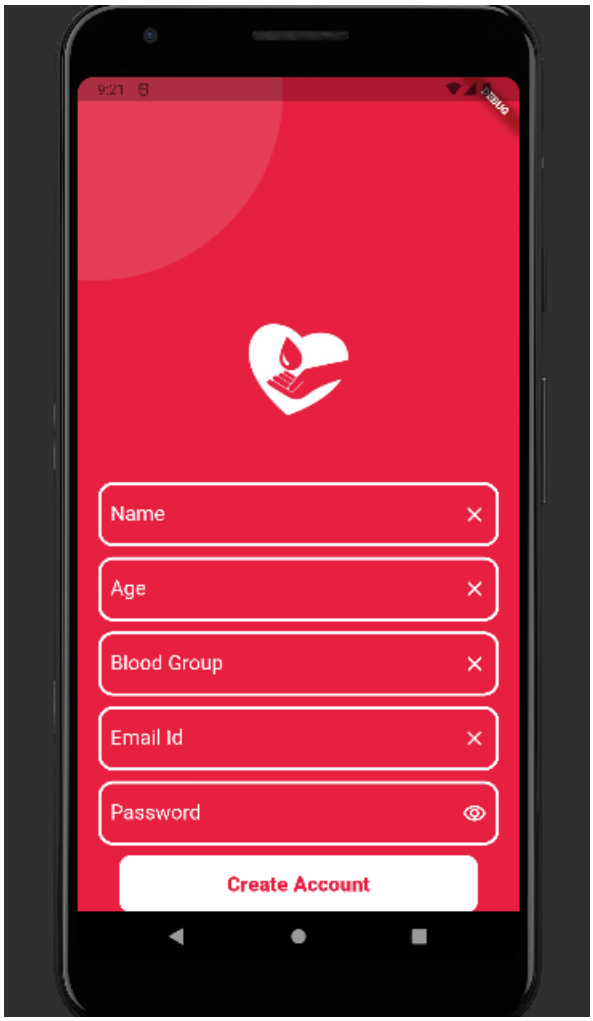


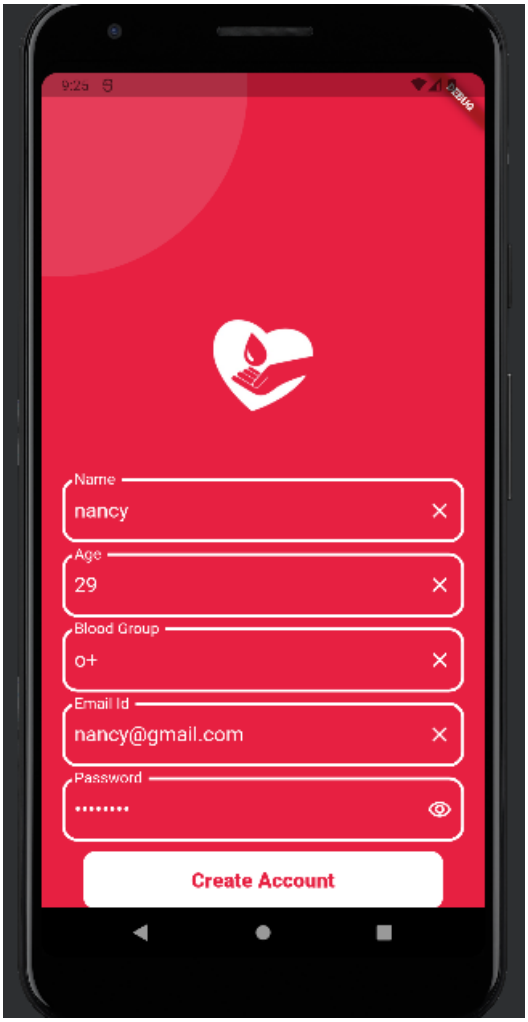

9:18
Email Id
gurjassingh47@gmail.com
Password
password
Forgot Password!
Sign In
Sign Up with Google

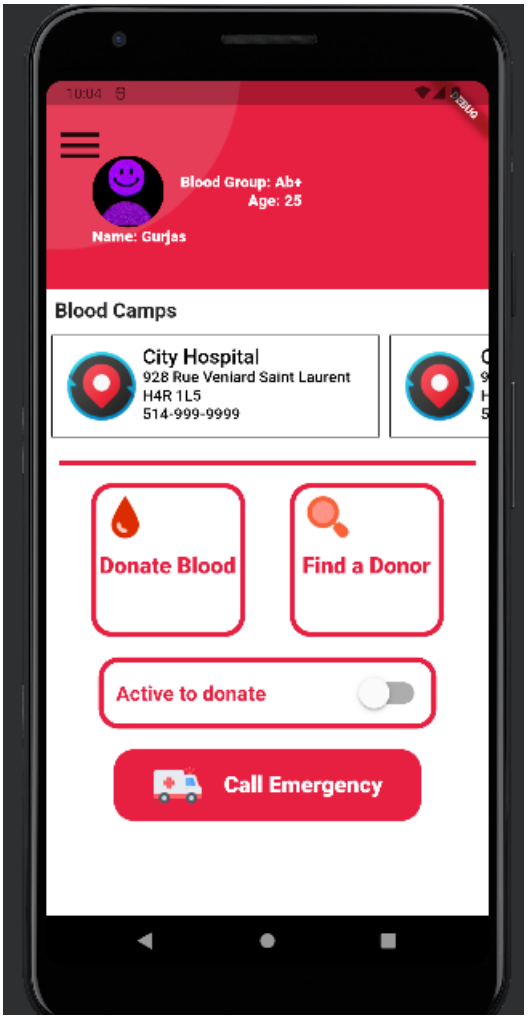

9:19
Email Id
gurjassingh47@gmail.com
Password
Forgot Password!
Sign In
Sign Up with Google

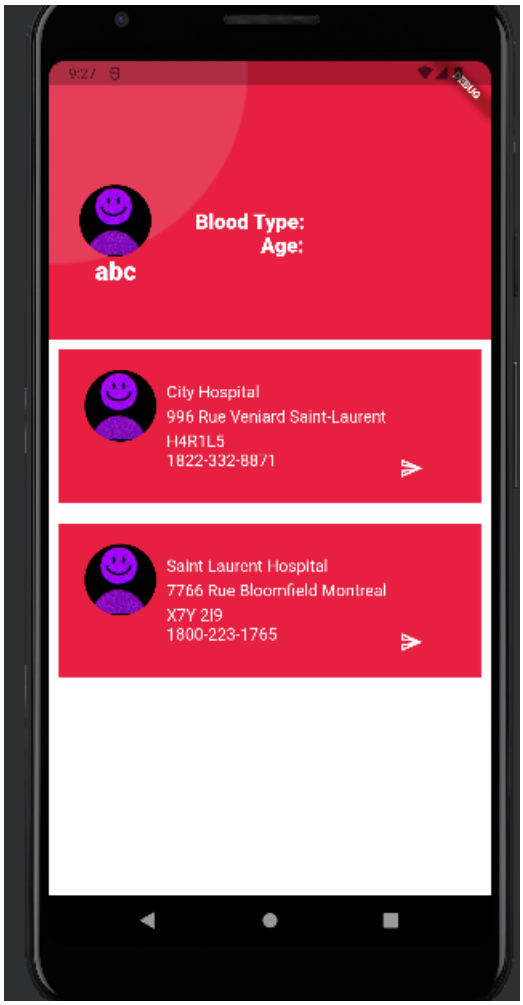

9:20
DEBUG
Email Id
Forgot Password!
Reset Password

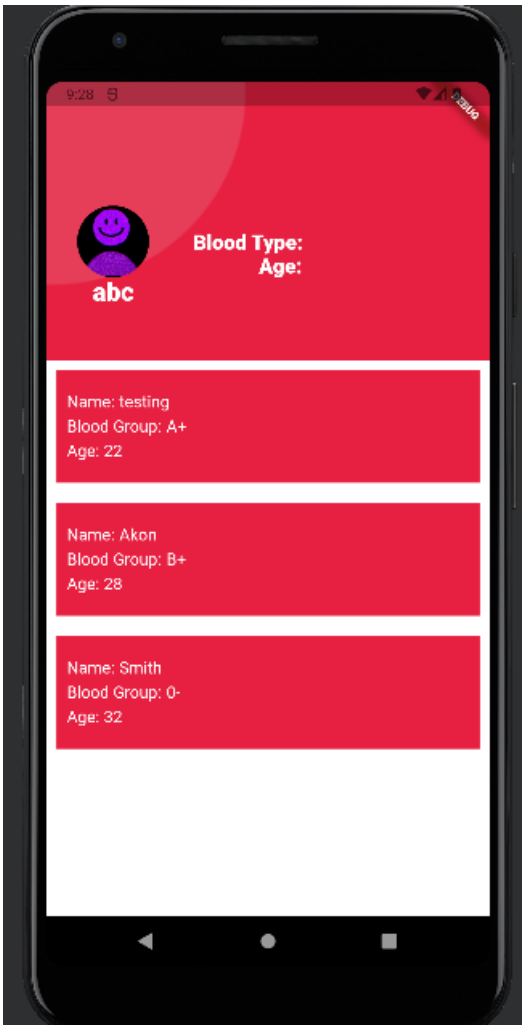

9:44
DEMO
Email Id
nancy@gmail.com
Forgot Password!
Reset Password

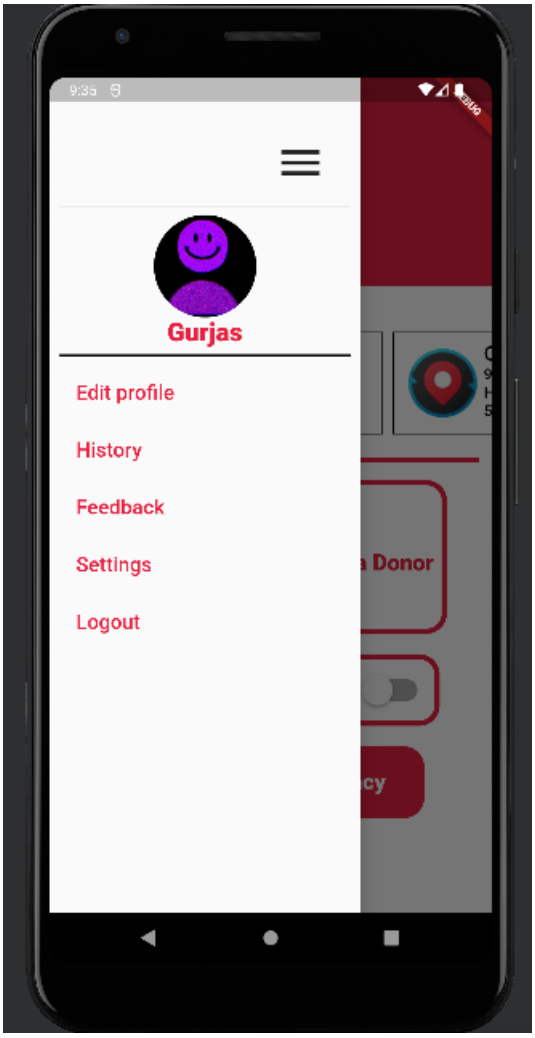

9:21
Name
Age
Blood Group
Email Id
Password
Create Account

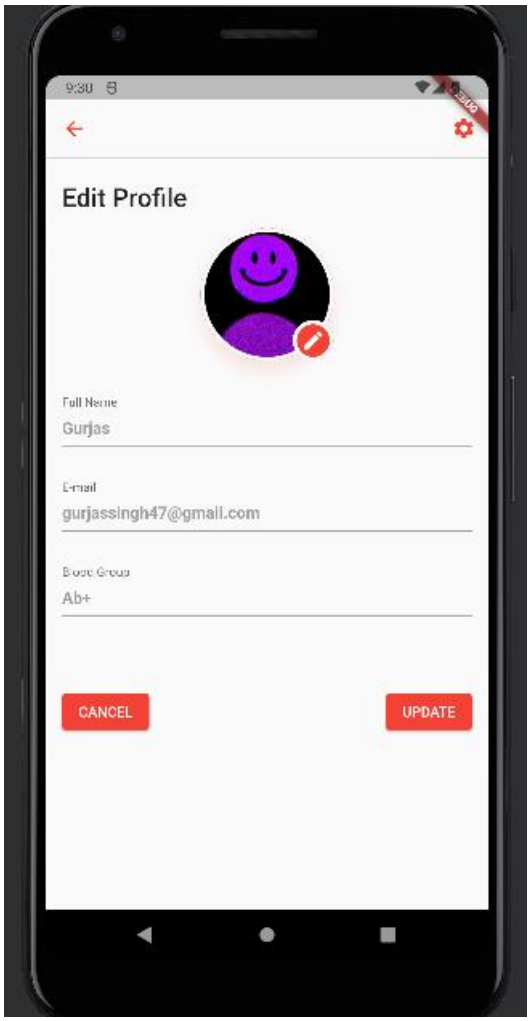

9:25
Name
nancy
Age
29
Blood Group
o+
Email Id
nancy@gmail.com
Password
Create Account

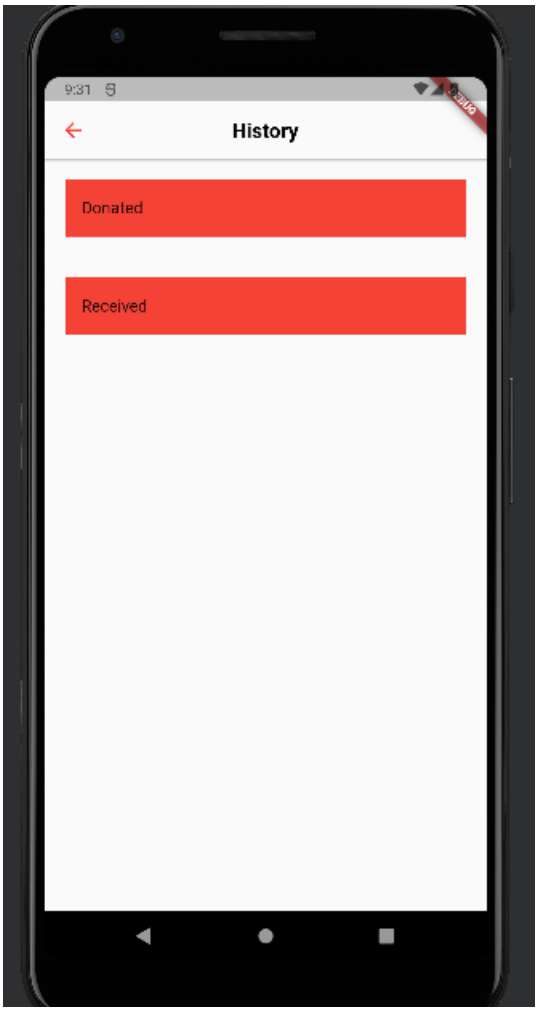

Blood Group: Ab+
Age: 25
Name: Gurjas
Blood Camps
City Hospital
928 Rue Veniard Saint Laurent
H4R 1L5
514-999-9999
Donate Blood
Find a Donor
Active to donate
Call Emergency

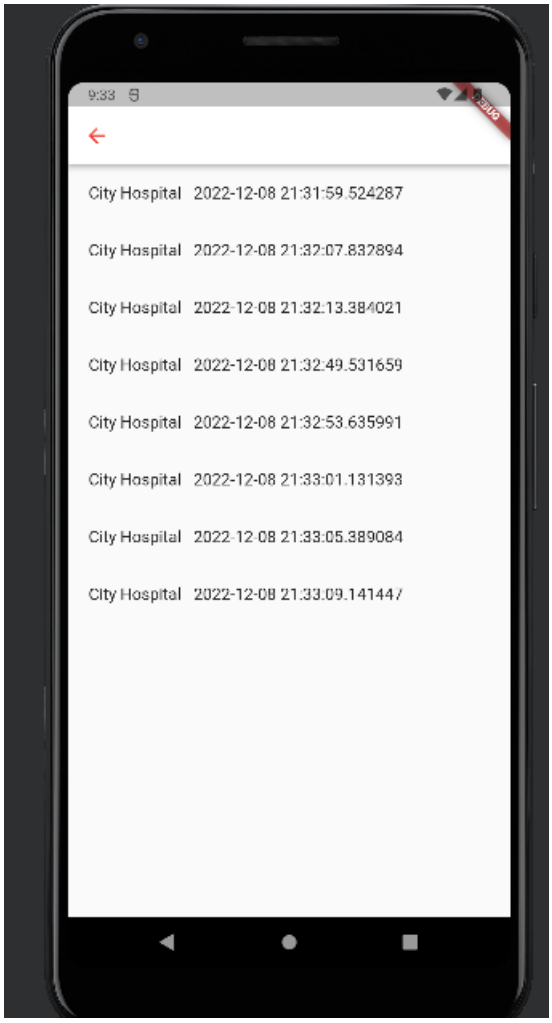

9:27
DEBUG
Blood Type:
Age:
abc
City Hospital
996 Rue Veniard Saint-Laurent
H4R1L5
1822-332-8871
Saint Laurent Hospital
7766 Rue Bloomfield Montreal
X7Y 2J9
1800-223-1765

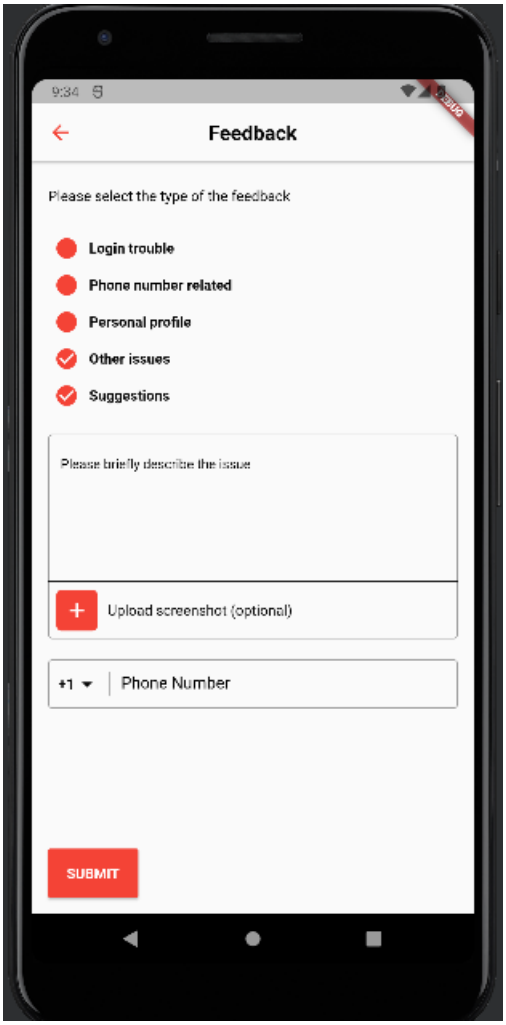

9:28
DEBUG
abc
Blood Type:
Age:
Name: testing
Blood Group: A+
Age: 22
Name: Akon
Blood Group: B+
Age: 28
Name: Smith
Blood Group: 0-
Age: 32

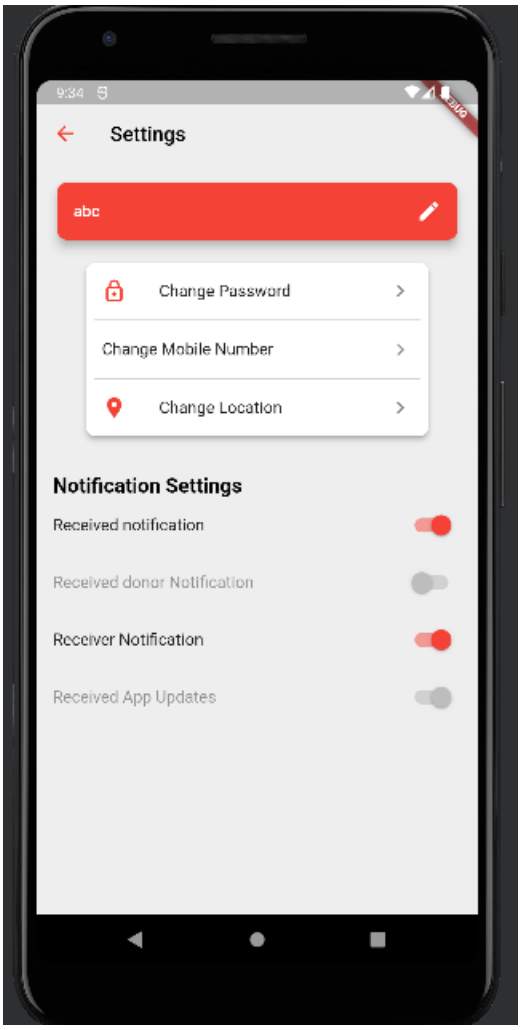

Gurjas
Edit profile
History
Feedback
Settings
Logout
Donor


9:30
Edit Profile
Full Name
Gurjas
E-mail
gurjassingh47@gmail.com
Blood Group
Ab+
CANCEL
UPDATE


9:31
History
Donated
Received


9:33
City Hospital 2022-12-08 21:31:59.524287
City Hospital 2022-12-08 21:32:07.832894
City Hospital 2022-12-08 21:32:13.384021
City Hospital 2022-12-08 21:32:49.531659
City Hospital 2022-12-08 21:32:53.635991
City Hospital 2022-12-08 21:33:01.131393
City Hospital 2022-12-08 21:33:05.389084
City Hospital 2022-12-08 21:33:09.141447


9:34
Feedback
Please select the type of the feedback
Login trouble
Phone number related
Personal profile
Other issues
Suggestions
Please briefly describe the issue
Upload screenshot (optional)
+1
Phone Number
SUBMIT


9:34
Settings
abc
Change Password
Change Mobile Number
Change Location
Notification Settings
Received notification
Received donor Notification
Receiver Notification
Received App Updates

THANK YOU