



# A Donation Application

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# Introduction

An Android application that aims to streamline the process of donations.

How?

- By implementing a system to connect people who need donations with donors who can help them.



# Features

- Allows users to see their nearest donation centres according to their current location
- Allows users to see and volunteer for various NGO's
- Allows charities and NGO's to keep track of their volunteers registered through the application
- Allow users to request donations for themselves or as a representative for some cause.
- NGO's and charities can get in touch with those who require donations to verify their case.
- Allows other users to see various verified donation requests and get in contact with those people directly.
- Letting Charities and Hospitals issue notifications to all users in case of an emergency city-wide situation.

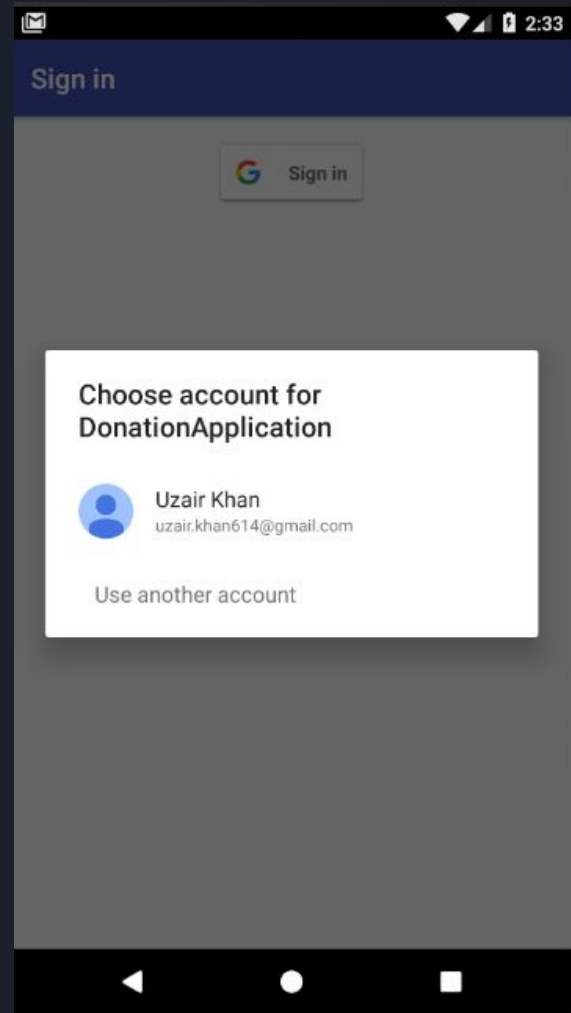


# Secondary features

- Backend server hosted on the cloud
- User credential safety by implementing Google Sign In which itself uses the OAuth 2.0 protocol both for the app and the backend server.

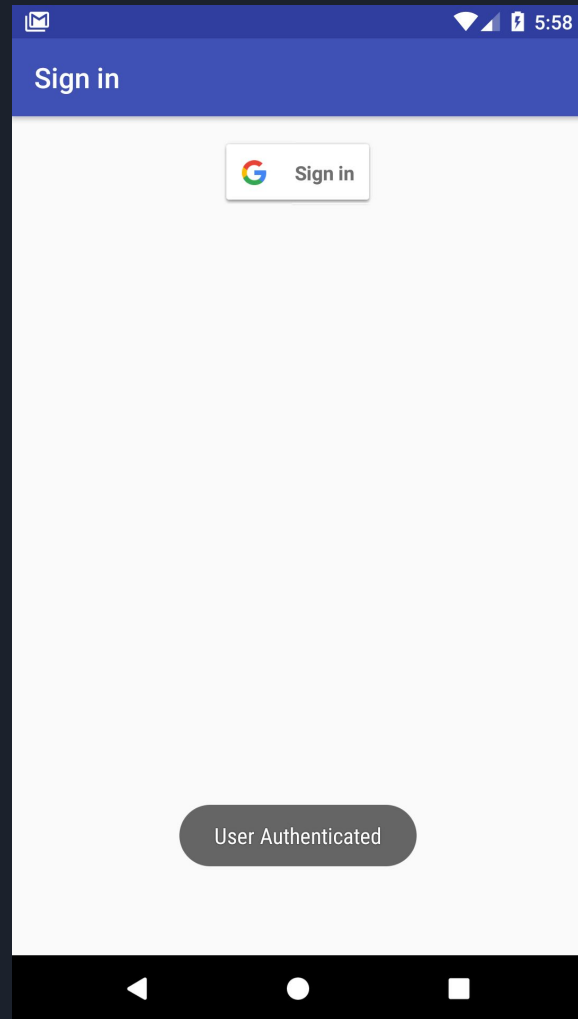
# Achieved Goals

- Google Sign In Authentication implemented...



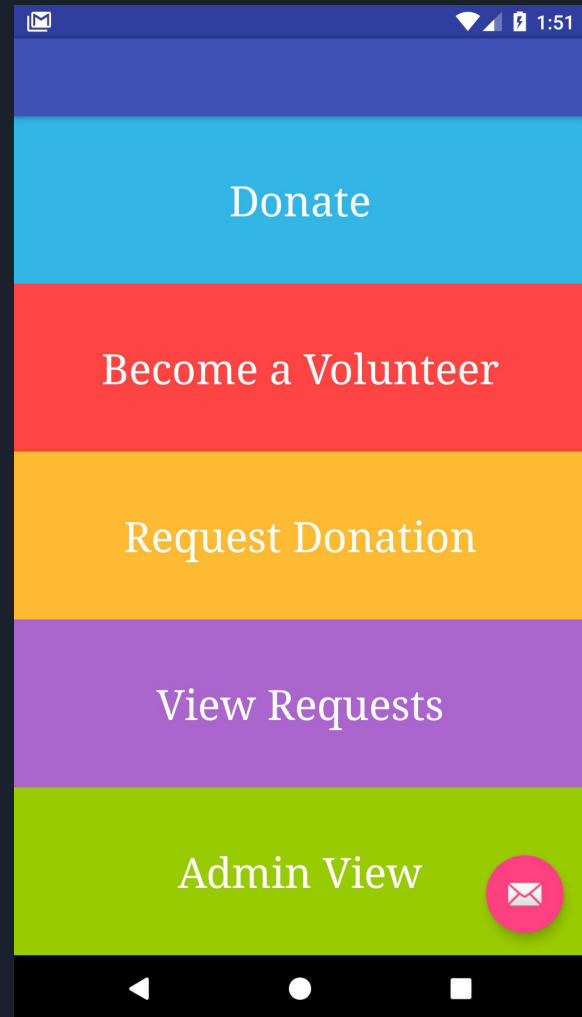
# Achieved Goals

- ...with authentication by the backend server as well.



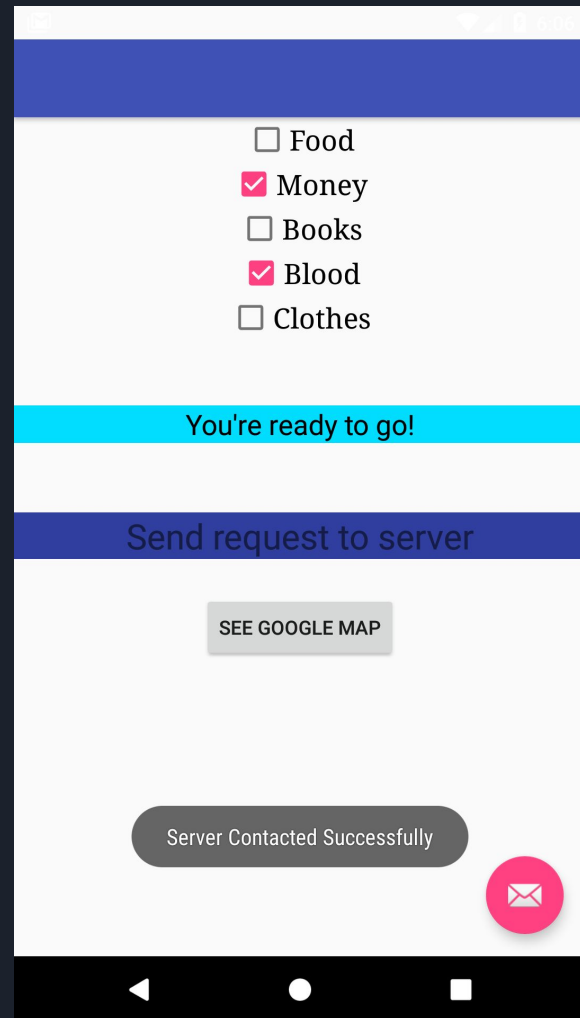
# Achieved Goals

- The Main Menu



# Achieved Goals

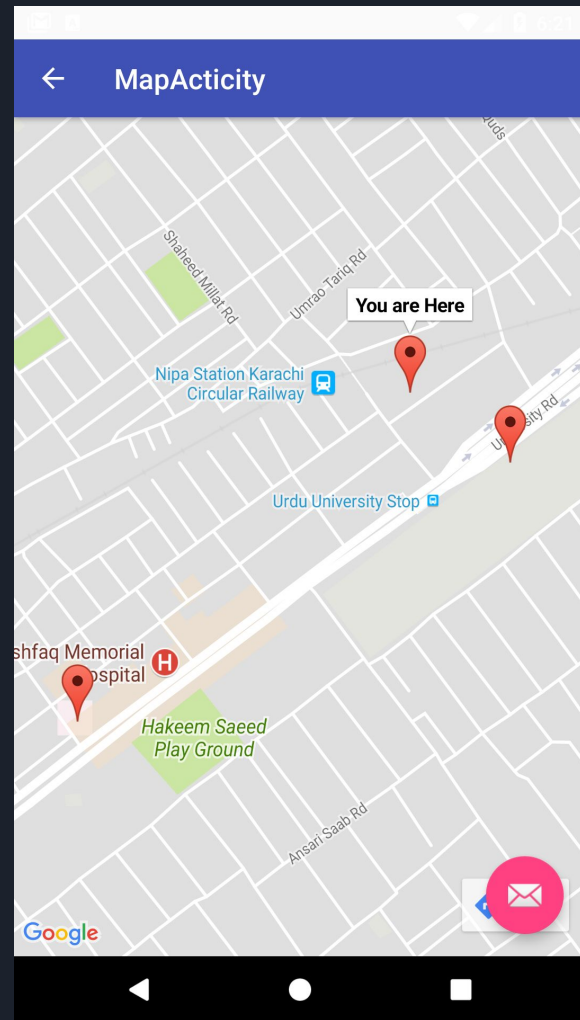
- Users can select the type of donation centres...





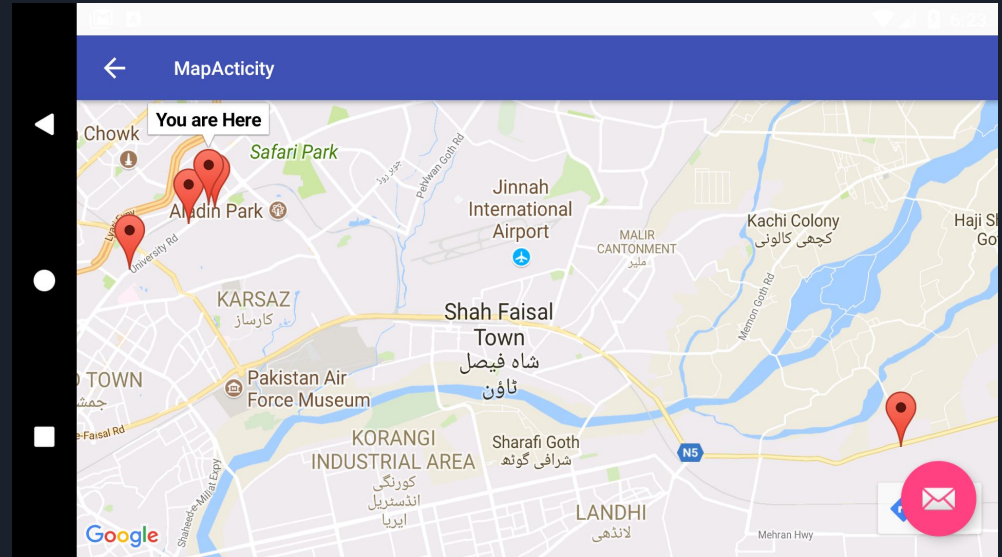
# Achieved Goals

- ...and see the nearest donation centres according to their location...



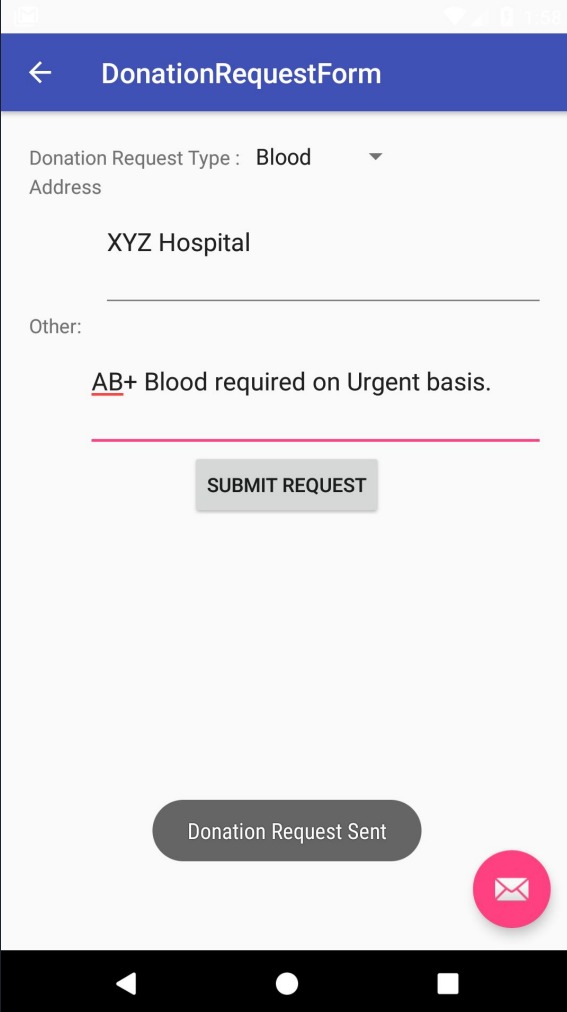
# Achieved Goals

- ...or zoom out to get a bird's eye view.



# Achieved Goals

- Users can also send a donation request form.



The screenshot displays a mobile application interface for a 'DonationRequestForm'. At the top, a blue header bar contains a back arrow and the title 'DonationRequestForm'. Below the header, the form fields are as follows: 'Donation Request Type : Blood' with a dropdown arrow, 'Address' with the text 'XYZ Hospital' and a horizontal line, and 'Other:' with the text 'AB+ Blood required on Urgent basis.' and a pink horizontal line. A grey 'SUBMIT REQUEST' button is positioned below the 'Other:' field. At the bottom of the screen, a dark grey rounded rectangle contains the text 'Donation Request Sent', and a pink circular button with a white envelope icon is located in the bottom right corner. The entire app interface is set against a dark blue background.



# Work to do.

- UI\UX Design
- Letting NGO's and charities view their volunteers.
- Letting NGO's and charities approve donation requests.
- Allowing users to view verified donation requests.



# Documentation

- SRS completed.
- SDS to be completed.
- Class documentation to be completed.



Thanks!

