

UG2K19 Hackathon

mstr.apk

Team Heibi

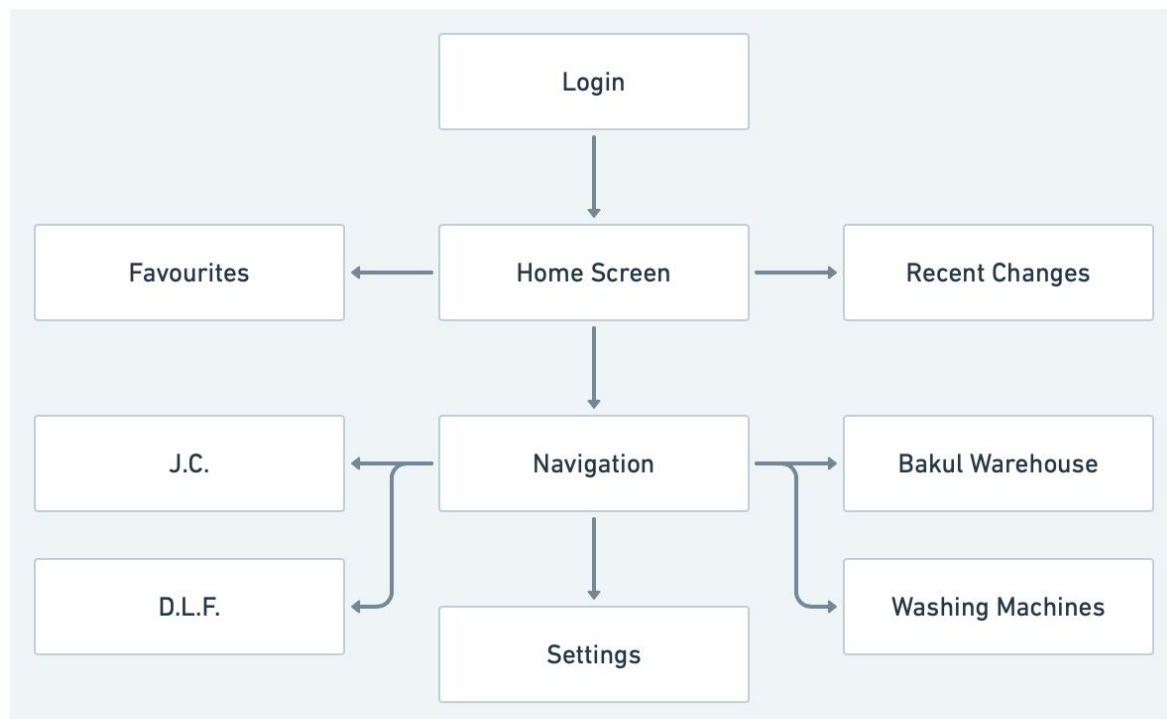
Team: Tushar Jain, Ainesh Sannidhi, Pahulpreet Singh,
Shivansh Bhasin, Rishabh Khanna, Kshitijaa Jaglan

Mentor: Mallika Subramaniam

Overview

This app aims to make Life@IIITH slightly easier by letting users know whether amenities, such as the TT Table, Pool Table and washing machines, are vacant, and if they are, how many. It also provides a service of contacting people at JC and DLF so that you don't have to call random people to ask whether they are at DLF or not. This saves the time of users and is extremely convenient.

Here is a basic overview of all the sections of the app:



Technologies

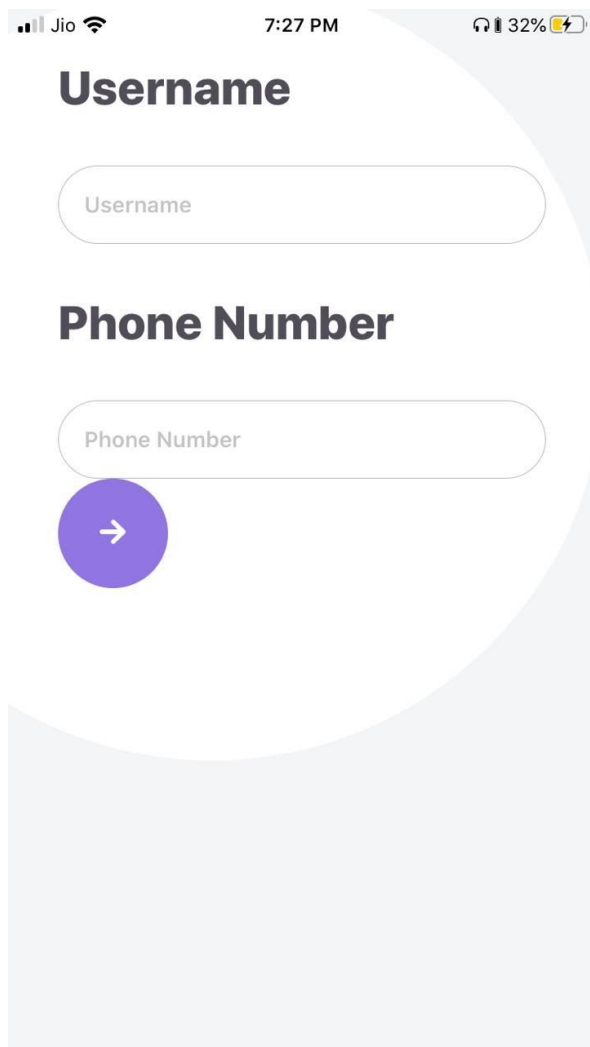
The project was made possible with using the React Native framework for front end to make a mobile app that works on both iOS and Android.

For the back-end, we're using Django with a MySQL database.

Components

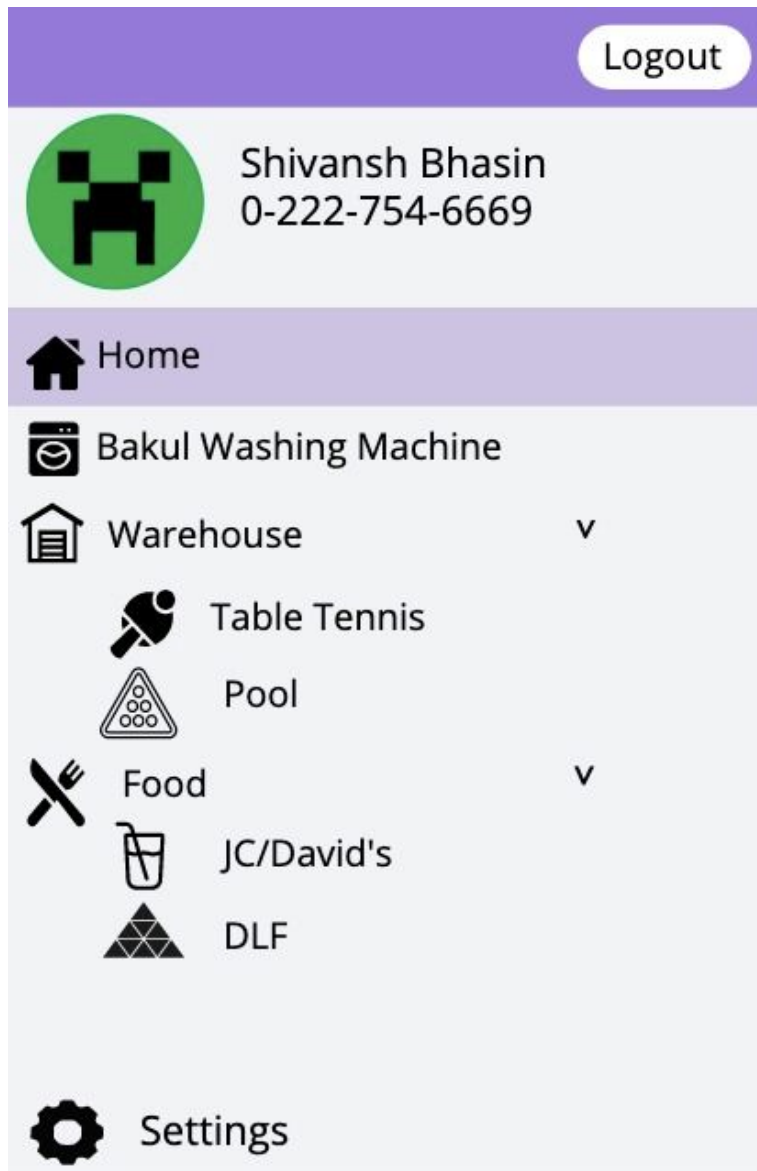
Screen 0: Login/Sign Up

The data obtained while signing up can also be used while making requests in the JC/DLF Section.
(explained later in the report)

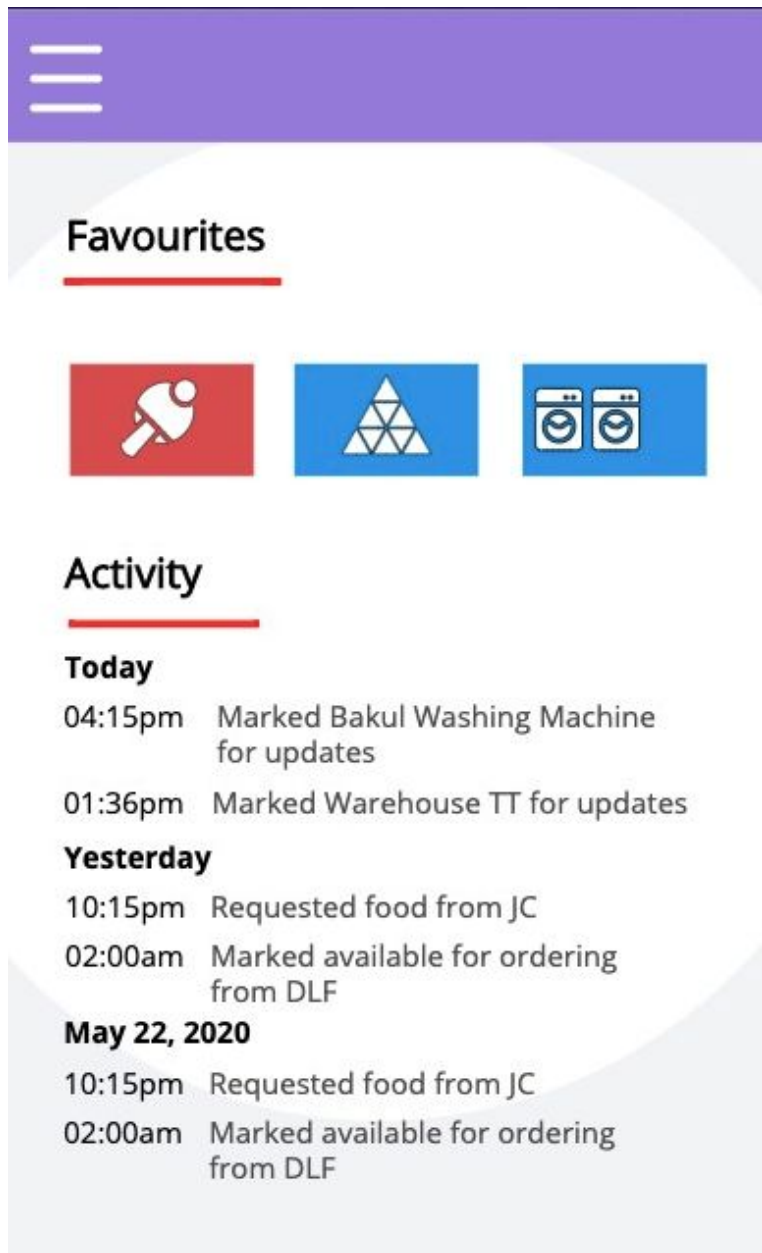


The screenshot shows a mobile application interface for login or sign-up. At the top, the status bar displays 'Jio' as the carrier, the time '7:27 PM', and a battery level of '32%'. The main content area has a white background with rounded corners. It features two input fields: the first is labeled 'Username' in bold black text, and the second is labeled 'Phone Number' in bold black text. Both fields are represented by rounded rectangular boxes with light gray placeholder text. Below the 'Phone Number' field is a purple circular button with a white right-pointing arrow. The entire screen is set against a light gray background with a large white curved shape on the left side.

Screen 1: The Home Page



Besides navigating to other pages, here we will have a log of the user's recent changes, along with favourites (here the user can check/control their favourites directly without having to navigate to the respective pages) which can be changed in the settings.



Screen 2: The Warehouse

The Warehouse utility contains the availability of the TT tables and Pool Tables. Users will be able to see the

number of available amenities and mark that they are currently using, or have stopped using these facilities. The current status of occupancy of these facilities will be reset according to the timings of the facility.

Screen 3: Washing Machines



This will keep track of the vacancy of washing machines. There will be one such page for each hostel (Parijat, Kadamb, Bakul, Palash) which they can toggle in the settings. Users can change the number of available washing machines whenever they start or stop using a machine. A feature that shows the time left for the availability of the next washing machine can be added as well.

Screen 4, 5: JC and DLF

The JC and DLF utilities allow users to request for food from either JC or DLF and allow users who are available to pick food up from either place to get the contact details of those who have requested for food. A feature that can be added is automatically sending the user's details (as they have already been stored during log-in), and instead of sending the user's name and phone number. The user can also send the food and shop from which they require.

A chat-box can also be added which allows users to chat with those that are picking up their food without the need of disclosing their personal details and information.



The image shows a mobile application interface for an 'Order' form. At the top, there is a purple header bar with a white hamburger menu icon on the left. Below the header, the word 'Order' is displayed in a bold, black font, underlined with a red line. The form consists of several input fields: 'ITEMS :', 'PLACE :', 'ADDRESS :', 'MODE OF PAYMENT :', and 'COMMENTS :'. Each label is followed by a corresponding text input box. The 'ADDRESS' and 'COMMENTS' boxes are larger than the others. The background of the form area is white, with light gray curved decorative elements on the sides.

Order

ITEMS :

PLACE :

ADDRESS :

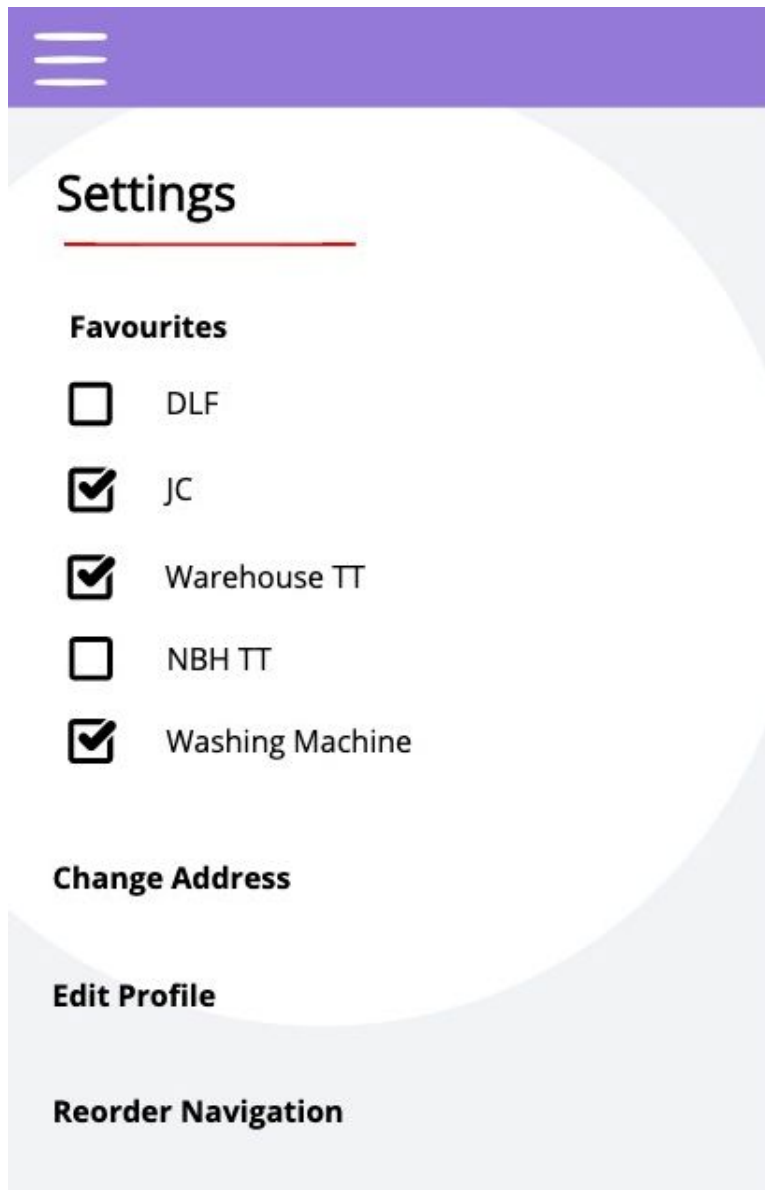
MODE OF PAYMENT :

COMMENTS :

Screen 6: Settings

In the settings page, the user is allowed to change their favourites, which are accessible directly from their home page, the order of the navigation bar and the user is also allowed to toggle the visibility of the

different services (for example, a person staying in Bakul would not require the washing machine utility of the rest of the hostels).



In the future, more features/locations might be included as per feedback.