EmpSync for LGB

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What is EmpSync ?

EmpSync is an employee tracking app developed by team Front Yard with journey tracking, attendance tracking and leave tracking features.

Proof of Concepts:

Frontyard BI

Frontyard BI is a startup initiative to implement Business Intelligence to make business processes simple.

Intelligence is what we have and business is what you have, let's join our hands and make better business decisions. We are implementing Business Intelligence in industries. We have an efficient team to work with your data and can provide better insights!

Project name: LGB -1.o
CREATED BY:

Name	Team Frontyard BI
Website	frontyard.netlify.app
Phone Number	8610098083
Email	frontyard2020@gmail.com

CREATED TO:

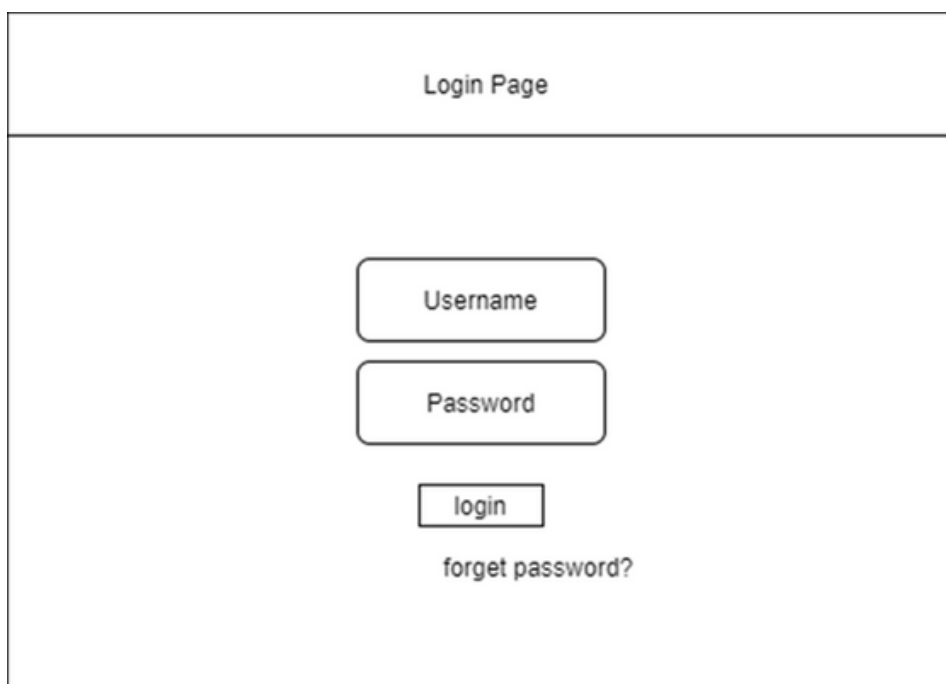| Name	LGB Team
Address	8/1238, Trichy Road,Coimbatore-641018, Tamil Nadu, India.
Phone Number	+91 422 2209090
Website	www.lgbstpl.co.in

Overview of the Project:

- LGB 1.o creates a portal for each and every sales person(employee).
- LGB 1.o provides an interface for employee attendance and helps admin to monitor the attendance of the employees.
- LGB 1.o provides an interface for tracking the sales person and helps admin to calculate the pay to be paid for salespersons.
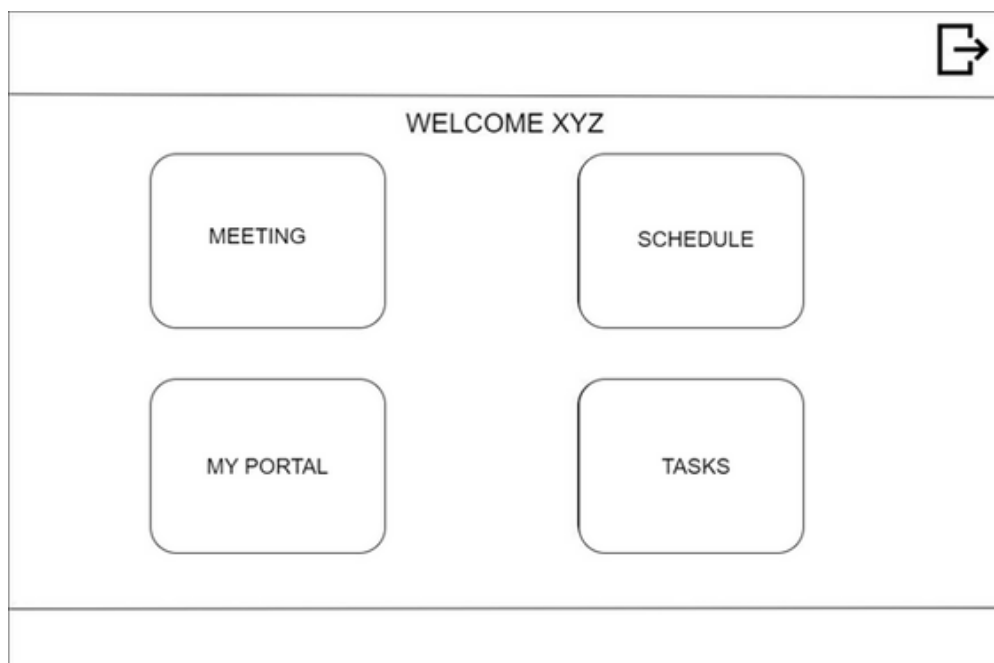
UX Designs

Sales persons view

1) Login page

2) Home page

3) Journey Page

MEETING

ELIGIBLE MEANS OF TRANSPORT

BIKE

CAR

INPUT

Type of CC based on vehicle

TRAIN

BUS

TICKET IMAGE UPLOAD

START

4) Leave page

SCHEDULE

No.of PL : 7/10
No.of CL: 3/5
No.of ML taken: 5

Next assigned date of work: dd/mm/yyyy
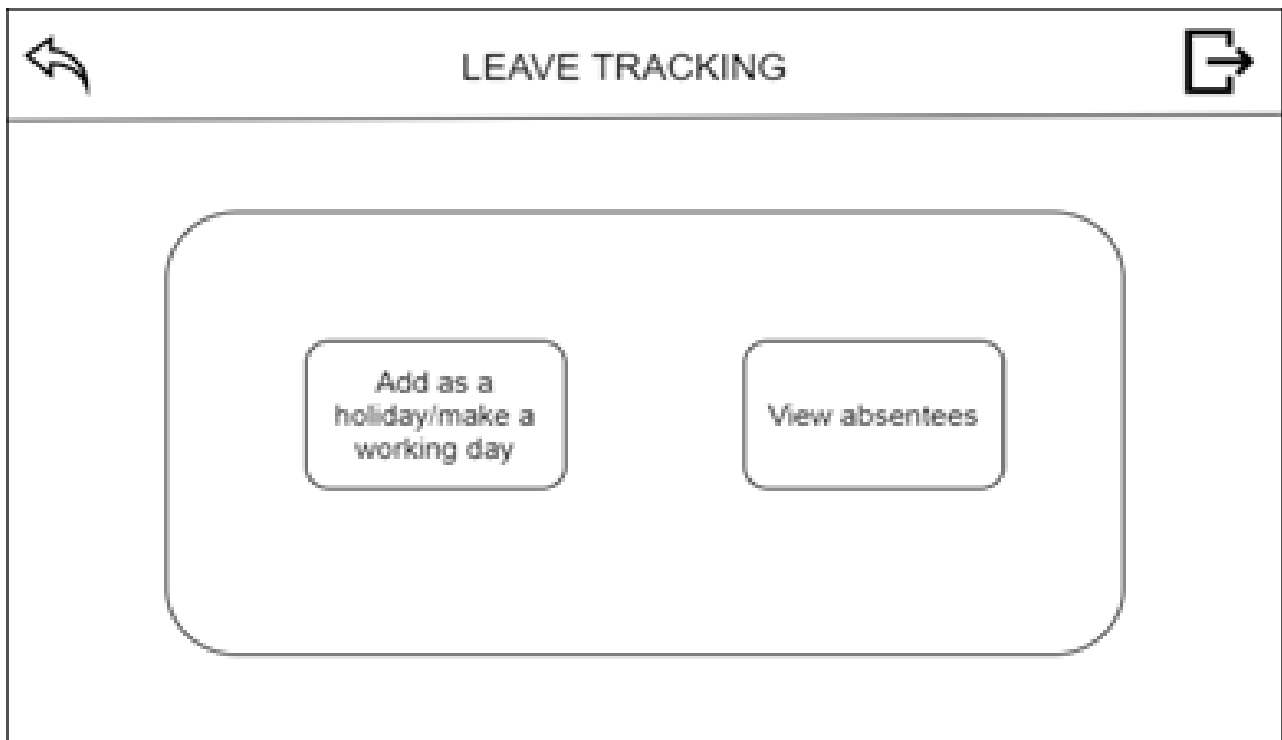
Reason box

Submit

Cancel

Apply leave

Cancel leave

Admin View:

1) Home Page:

Leave Tracking   Travel History

2) Leave tracking app

LEAVE TRACKING

Add as a holiday/make a working day   View absentees

| | PL | | CL | | ML |

NAME	REASON	TYPE
XXX	bbb	PL
YYY	ccc	PL
ZZZ	ddd	CL
AAA	eee	ML

2) Travel History

TRAVEL ID	FROM DATE-TO DATE	FROM PLACE-TO PLACE
101	21/2/2020 -22/2/2020	CBE TO TIRUPUR
102	21/2/2020 -22/2/2020	CBE TO BLORE

Summary:
What has been done?

- ·Built a journey tracking feature with two categories own transport and public transport. Public transport options has a feature of uploading the ticket and own transport feature has the feature of calculating the distance and travel allowance. The both features have a way of conveying the journey end by means of mailing to the admin.
- ·Attendance tracking captures the time and location while logging in logging out for the day.
- ·Leave tracking feature finds the EL and CL available for that person along with history of leaves taken.
- ·Profile feature list the details of the person in the event of filling the asset details in the profile page.
- ·Login and sign up page comes with firebase authentication with unique ids with additional feature of forgot password.

What needs to be done?
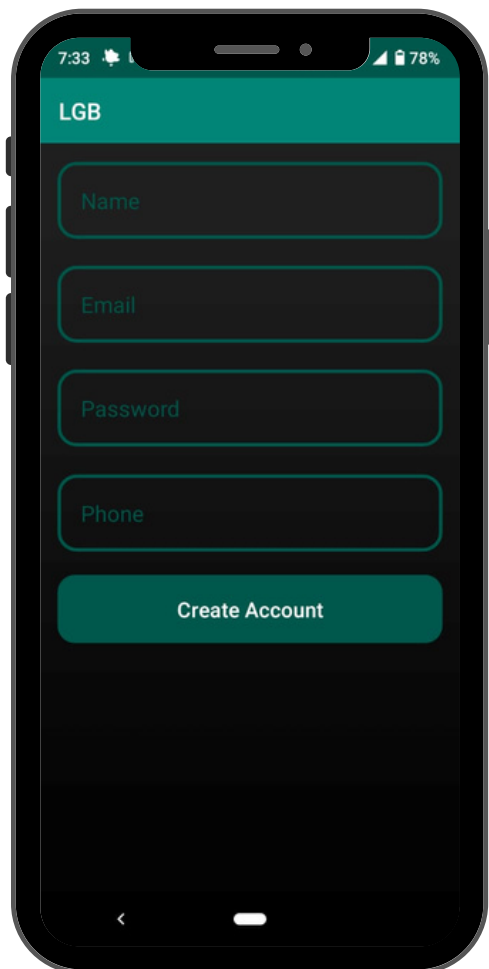- -The admin view described in UX design is not being developed.

Project plan detailing the individual modules
1)Login and Sign up actions

- Once a person signs up firebase automatically generates UID and provide authentication this is purely for security purpose.
- We also have forgotten the password feature.
- In order to make this forgot password feature useful, it is mandatory that we need set the security questions.
- We also provide a remember me check box which will avoid from asking the the username and password repeatedly
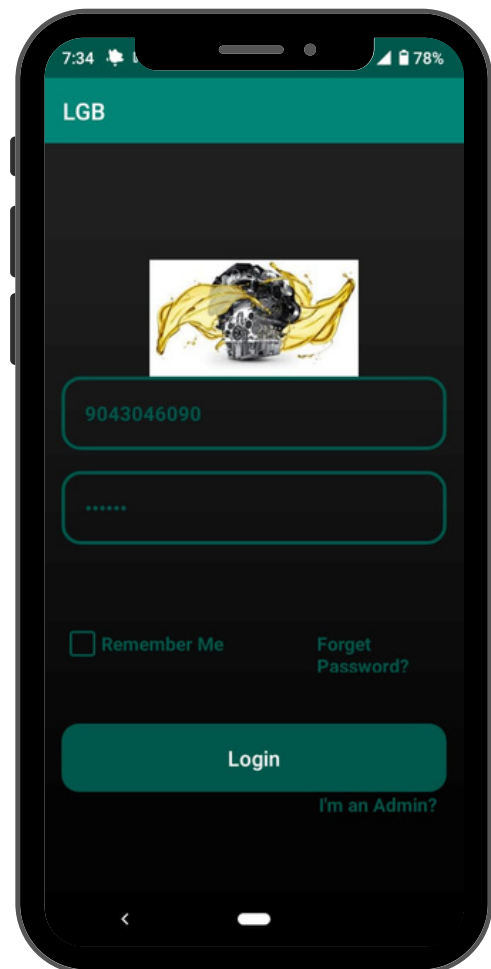
Sub Modules
I) Sign up page   II) Login page

III) Without Remember me feature
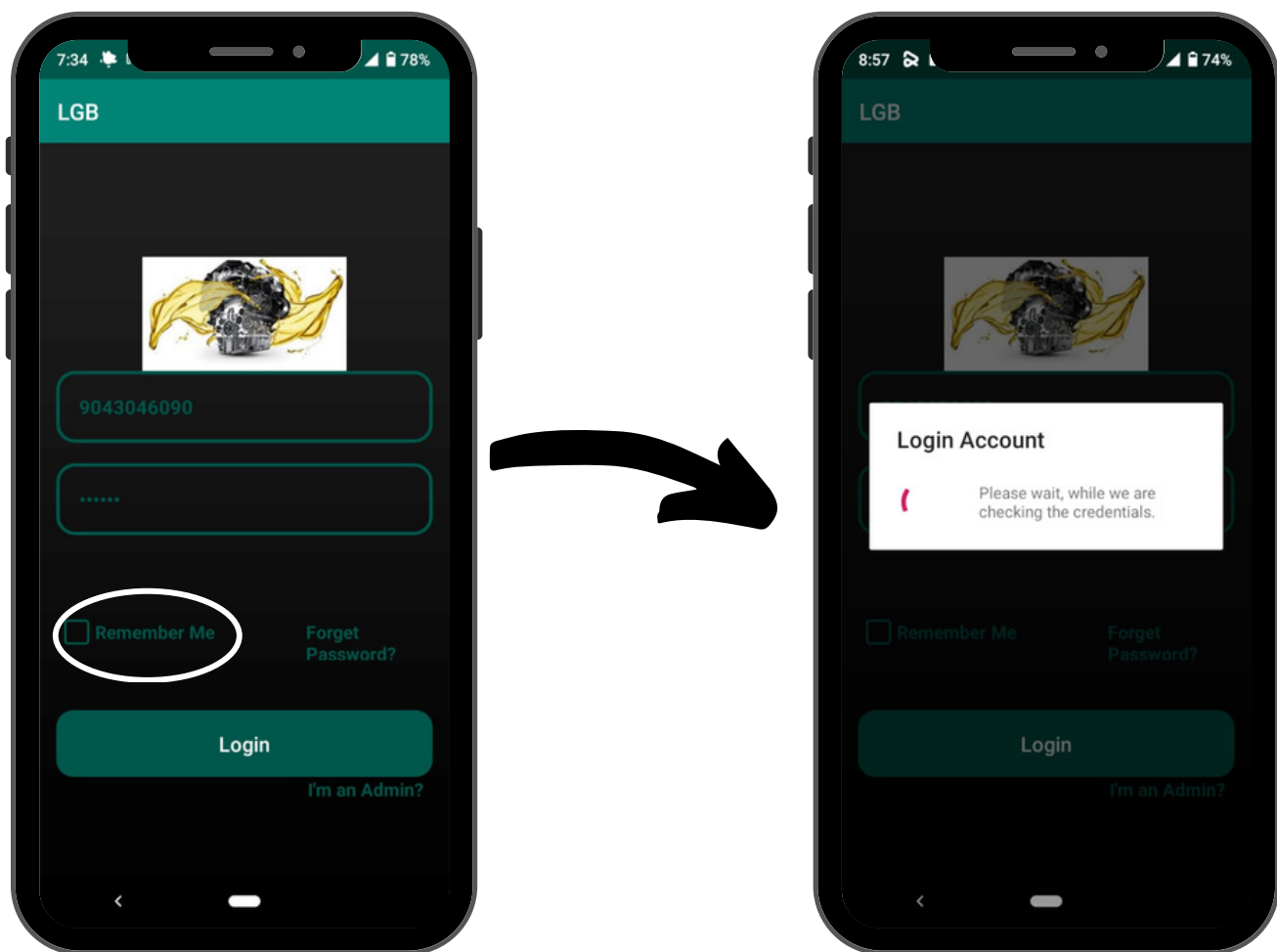
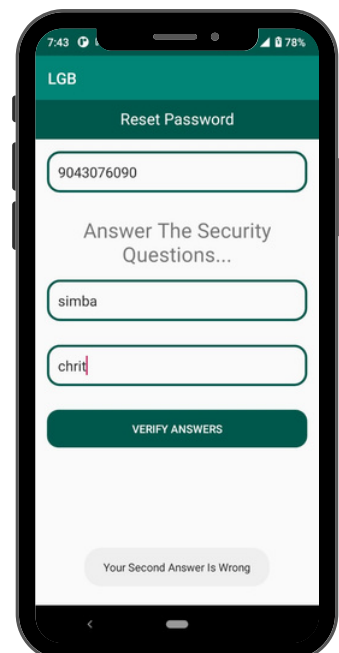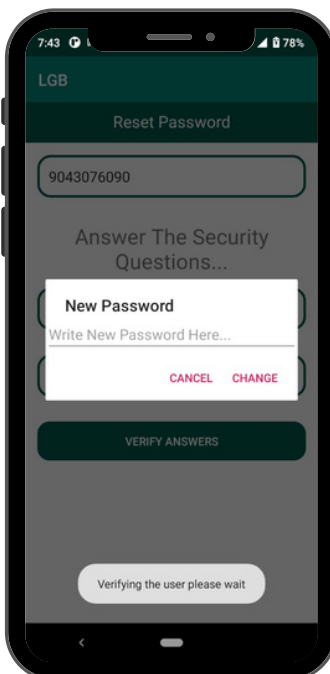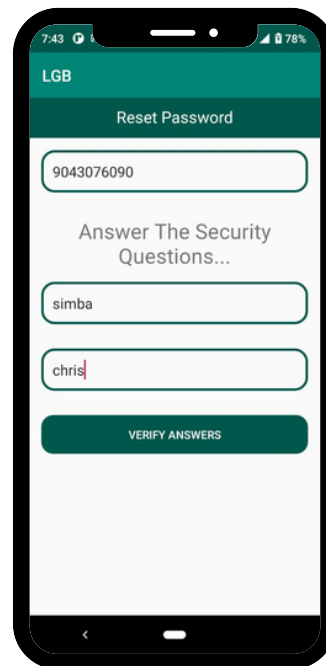
IV) Remember me feature
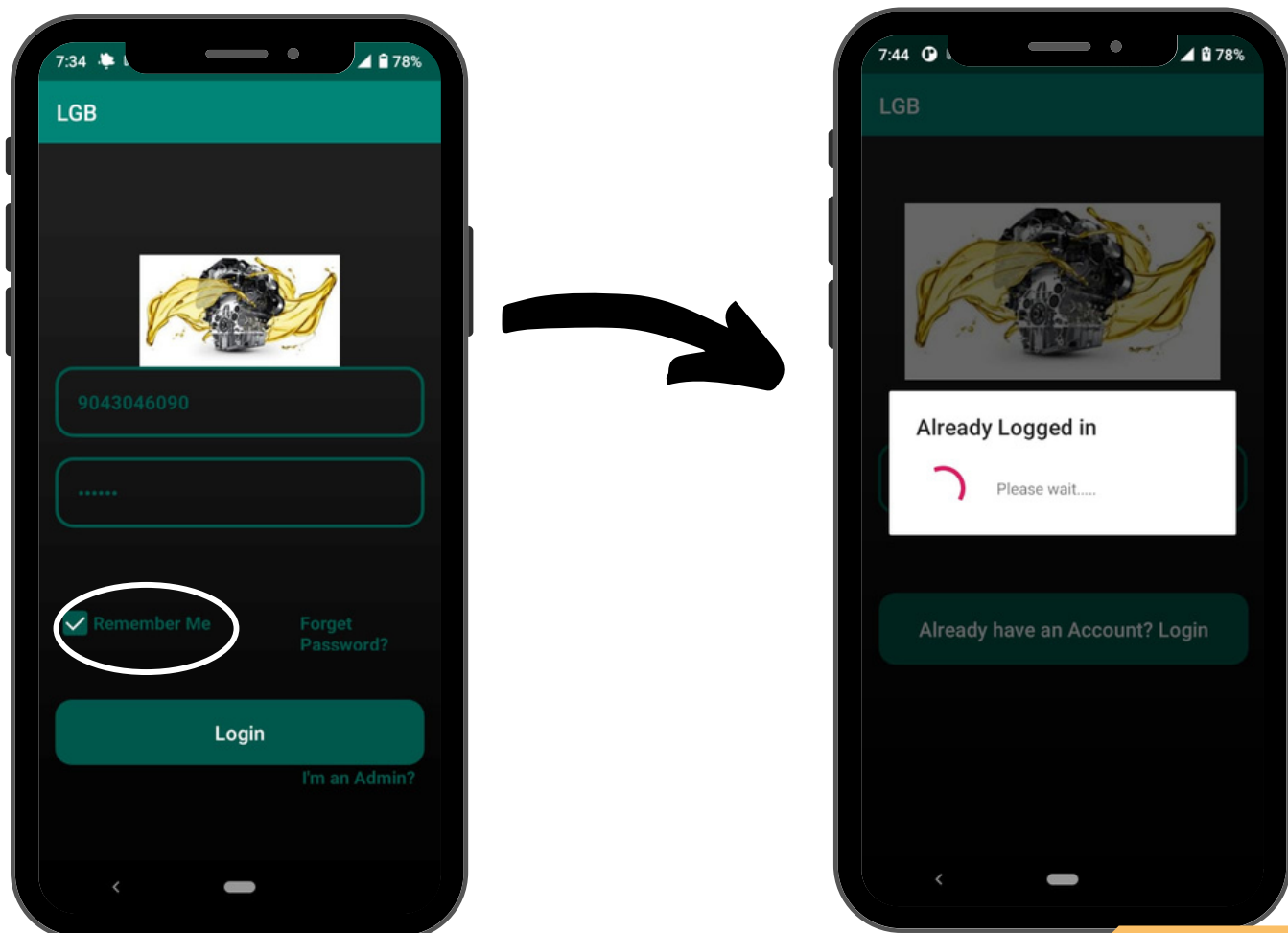
v) Forget password feature

Disclaimer: We need to set the security questions in home page which is discussed in this document.
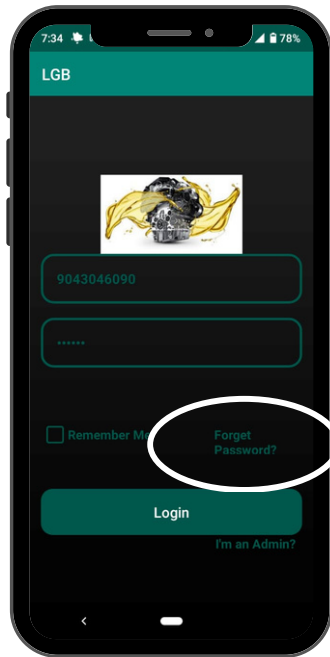
3) Home page

- The home page is the point of focus where we could find all the features and logout feature(one with small door symbol at top right corner).

- It also consists of an important feature of setting a security question (One small setting symbol at top right corner)which is quite mandatory for setting a new password.
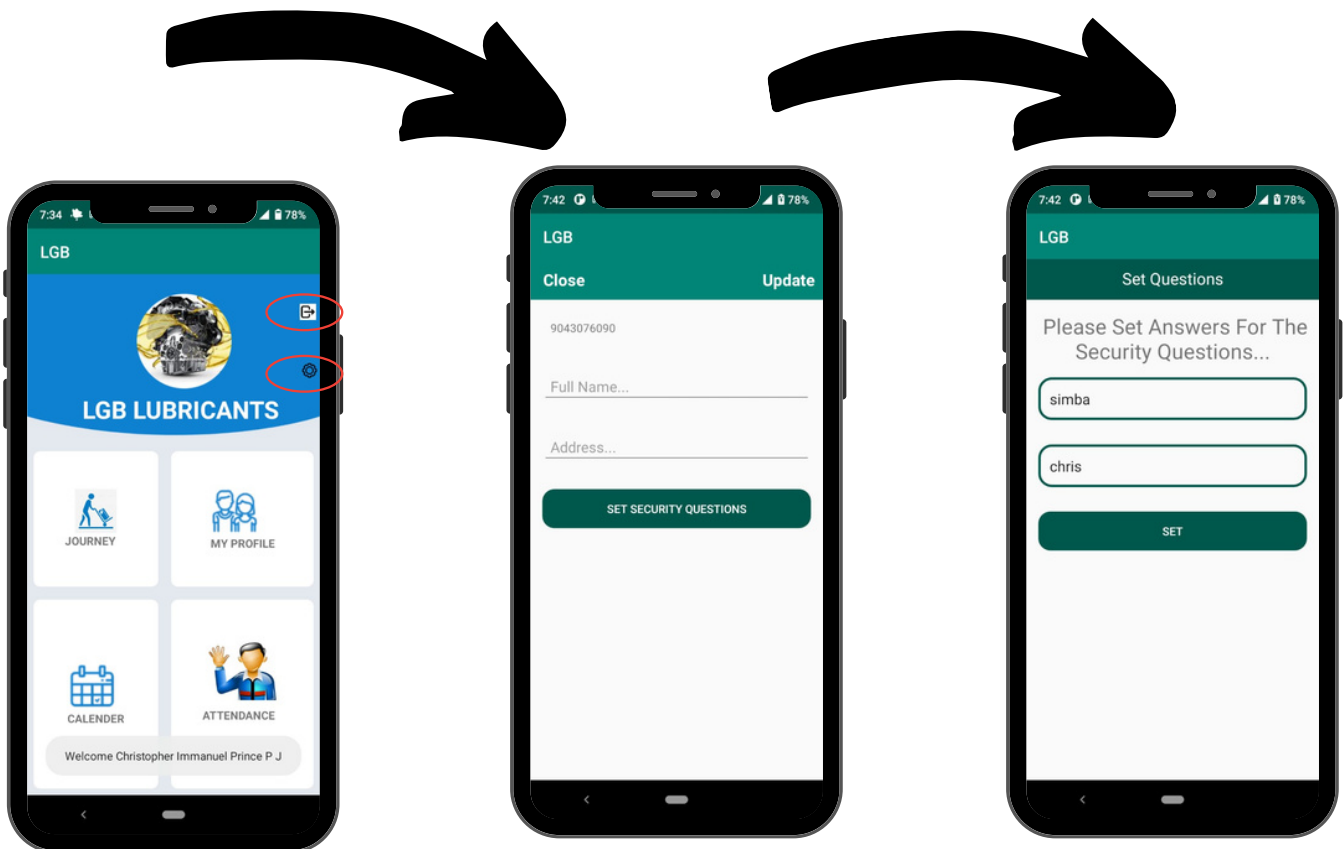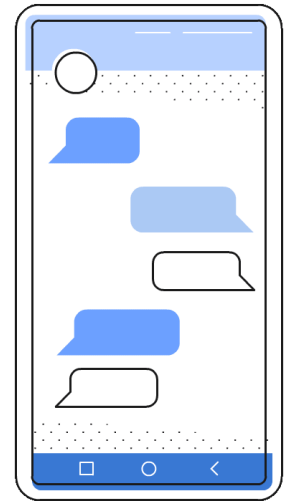
4) Profile page

Profile feature list the details of the person in the event of filling the asset details in the profile page.
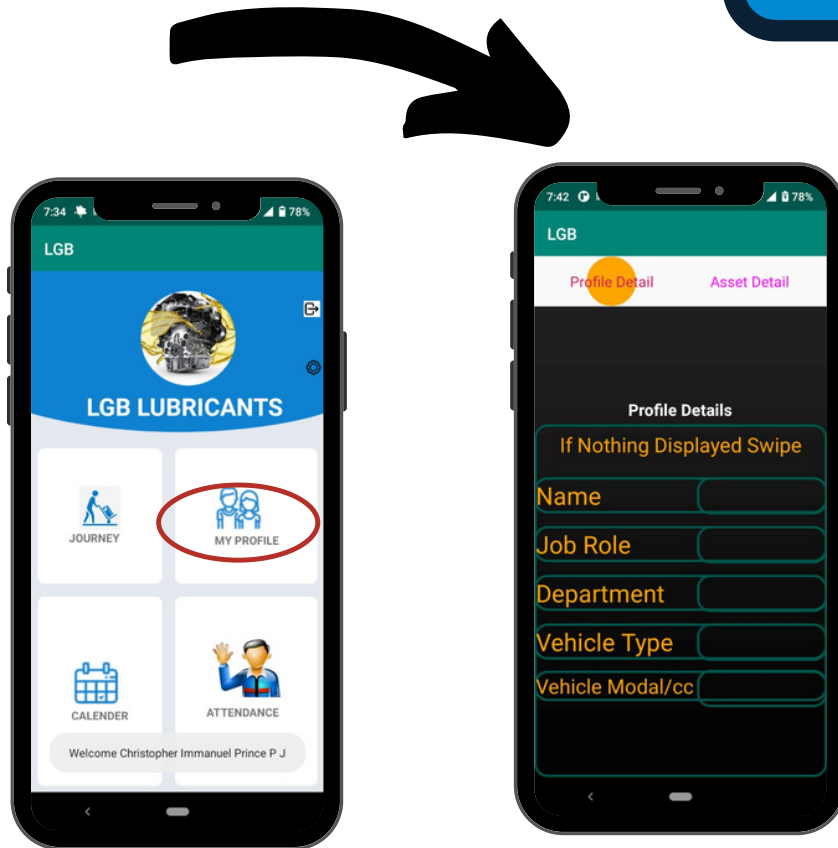
Asset Details is a single-time access tab where we fill in details about the vehicles we use, the department where we are and the designations, etc...

5) Attendance tracking

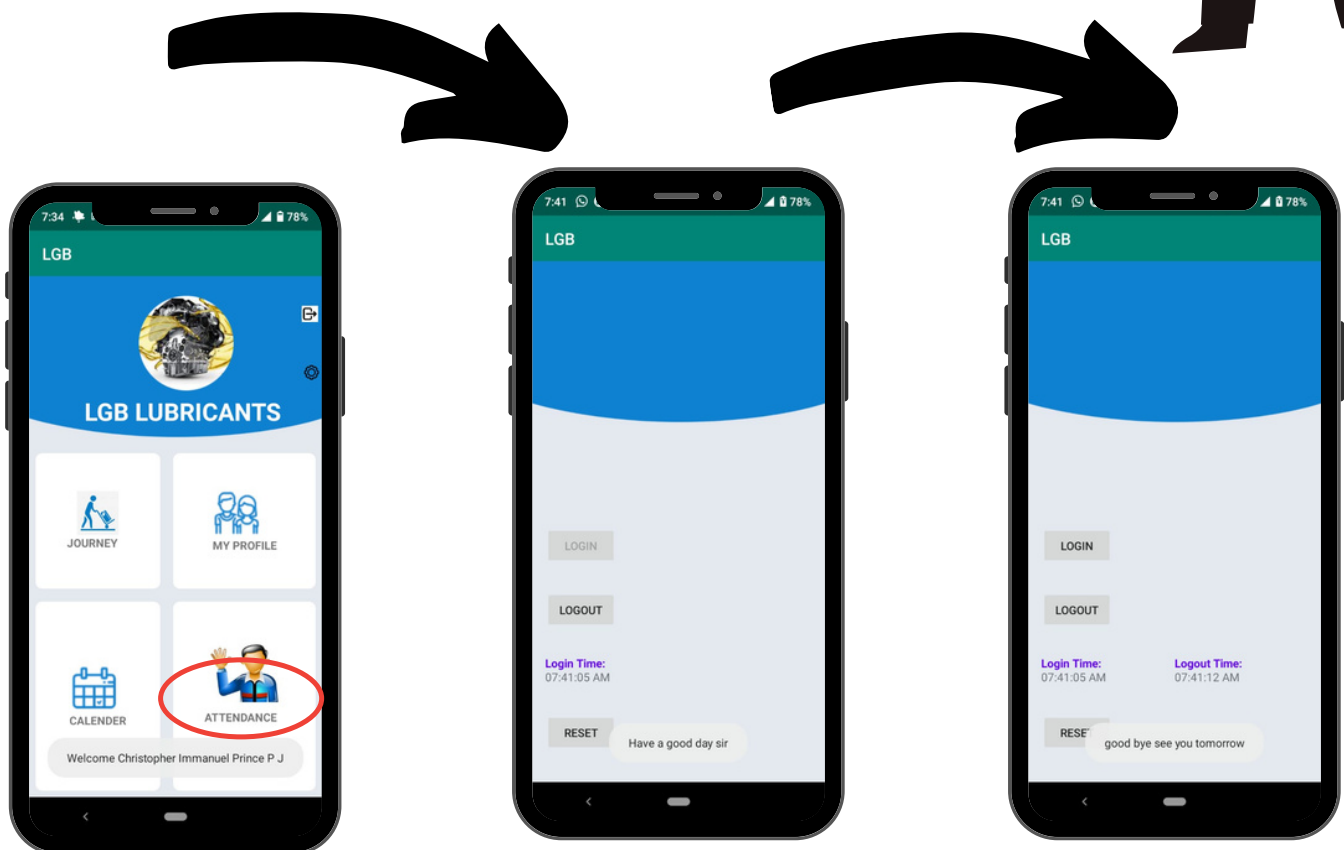On entering the workplace, employees trigger the login button that saves the time of login and the location from where they log in.
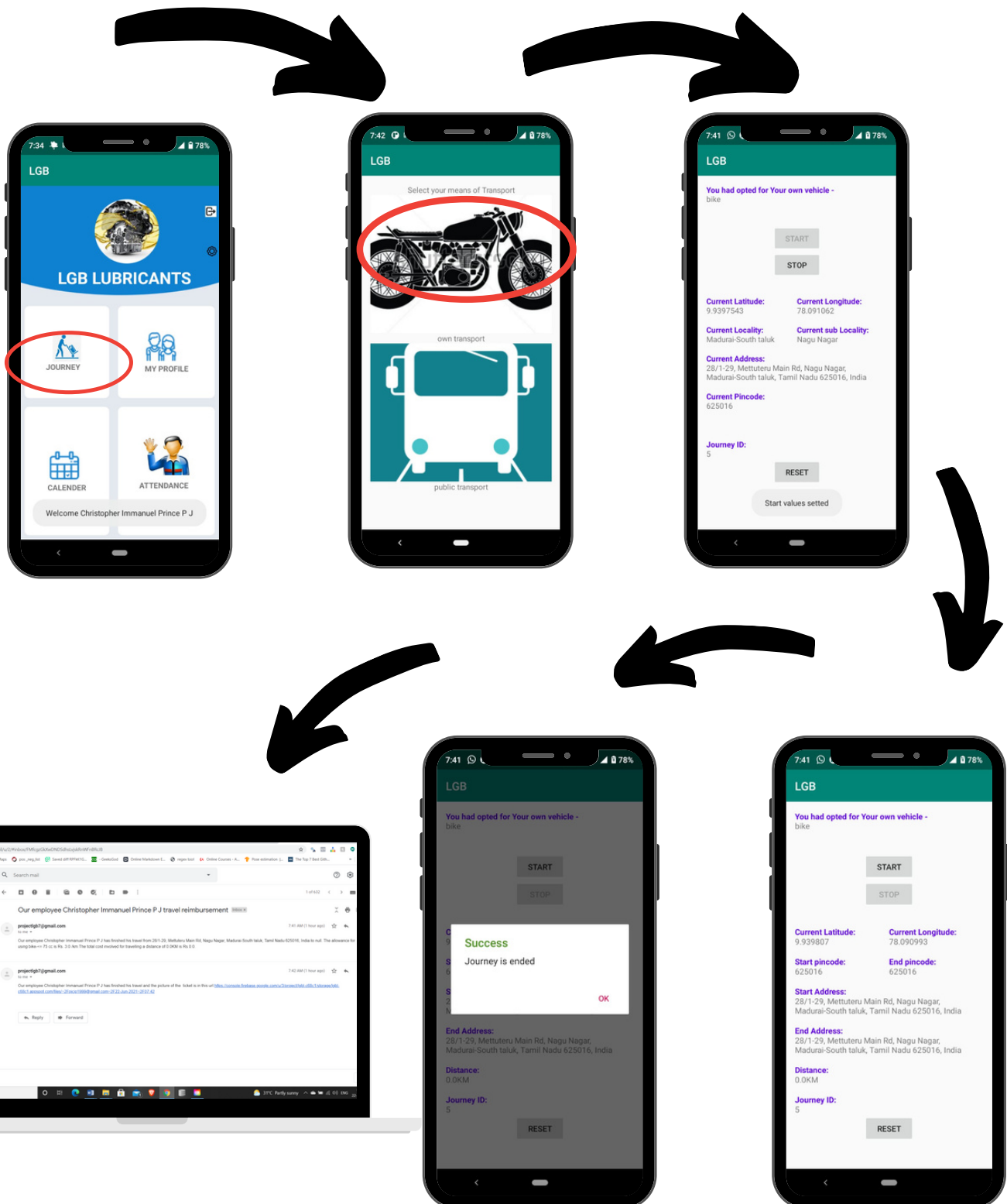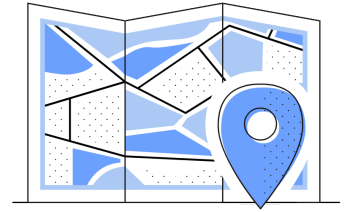
On leaving same procedure is followed

6) Journey Tracking app

1.Own transport:

- Here, the source and destination of the journey are triggered with the start and end button page.
- With the source and destination latitude and longitude distance and travel, allowance is calculated.
- Further, these details are mailed to the admin.

6) Journey Tracking app

2.Public transport:

- Here we could upload the image of the ticket to the firebase storage.
- Further, the details are mailed to the admin with the URL specifying the location of the ticket in firebase storage
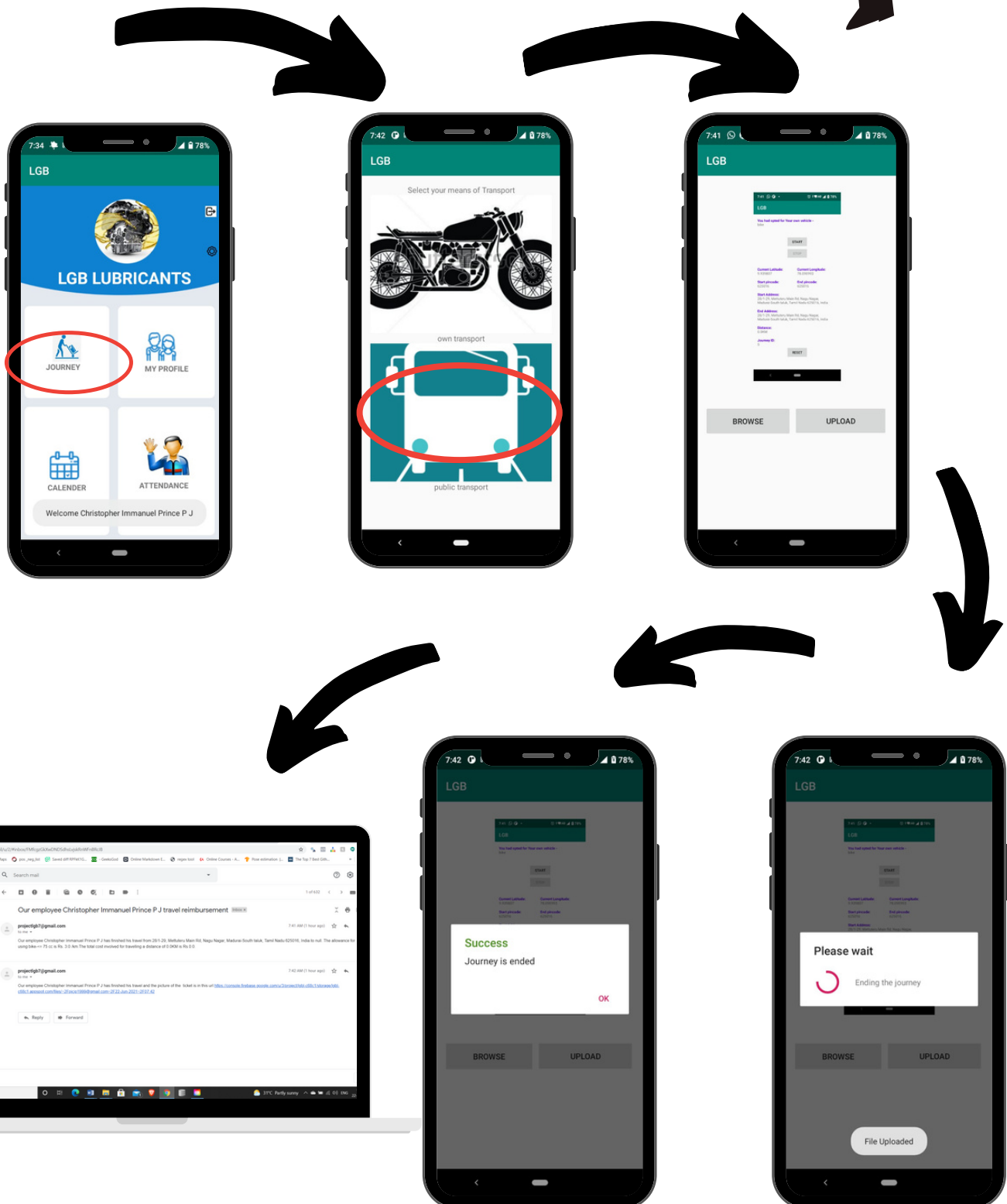
7) Leave Tracking Feature

- The leave tracking feature fetches the EL and CL available for that person along with the history of leaves taken.
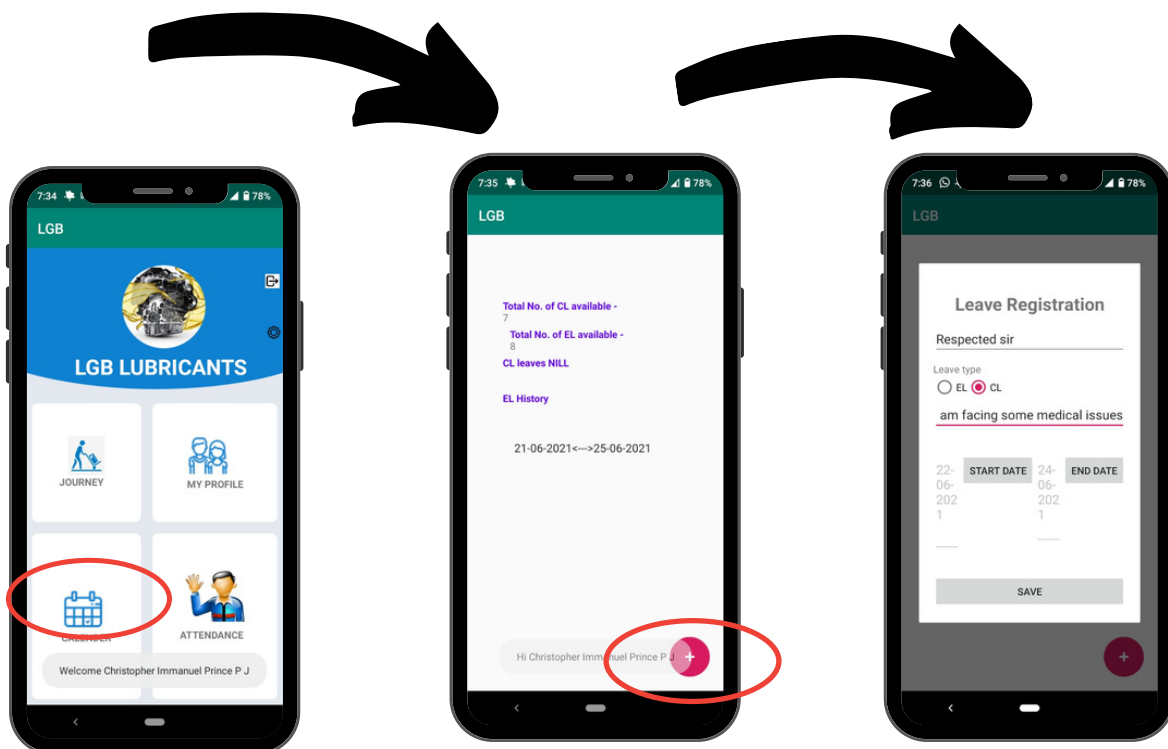- With the Floating action button at the right bottom, anyone can apply for leaves with subject, reason, start and end date of the leave only in case there exist availability.
- With start and end date provided, the difference is automatically calculated and updated to firebase
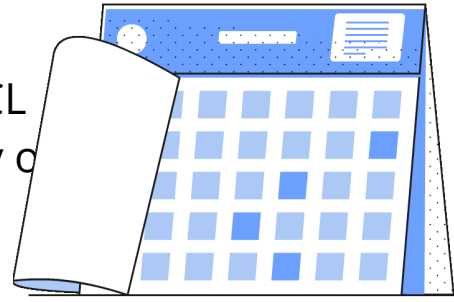
8) Network Listener
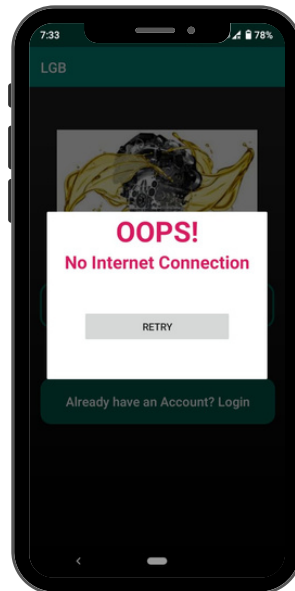
- Finds whether the device is connected to the network
- If not prompts and shows an alert box.
- If the internet is connected click retry to check whether you had regained the access in the device.

9) Location Listener

- Finds whether the device is connected to the GPs
- If not prompts and shows an alert box.
- It also asks for consent to switch on the location.

Disclaimer: Its always better to start the day with location on.

Reason: It takes on an average 0f 10 minutes to get the GPS connection. This latency might differe from device to device.
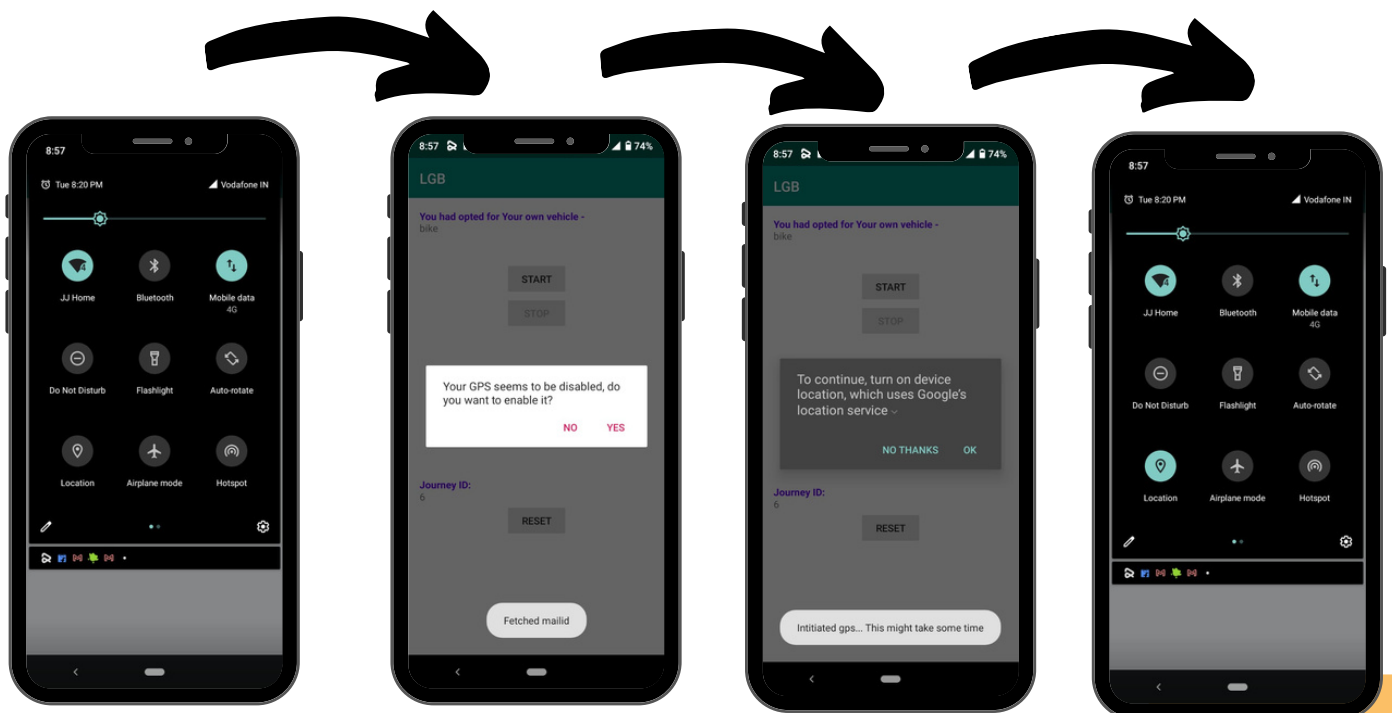
Deployment plans:

- For now, we use a realtime database and cloud storage of firebase which is a kind of free version here is the pricing plan to know how far the account is considered as free version. view firebase pricing

- The cloud storage and real-time data base are deployed with securities such as only the person with authentication created while signing up could have access of reading and writing data's to the database and cloud storage with our application.

Where can I find the app and codebase?

- Click this link and select the latest version app. You could see an option **view raw** click it to download the app.
- Click this link to view the codebase.

Tool used: