Task 10.1 Private Sharing APP

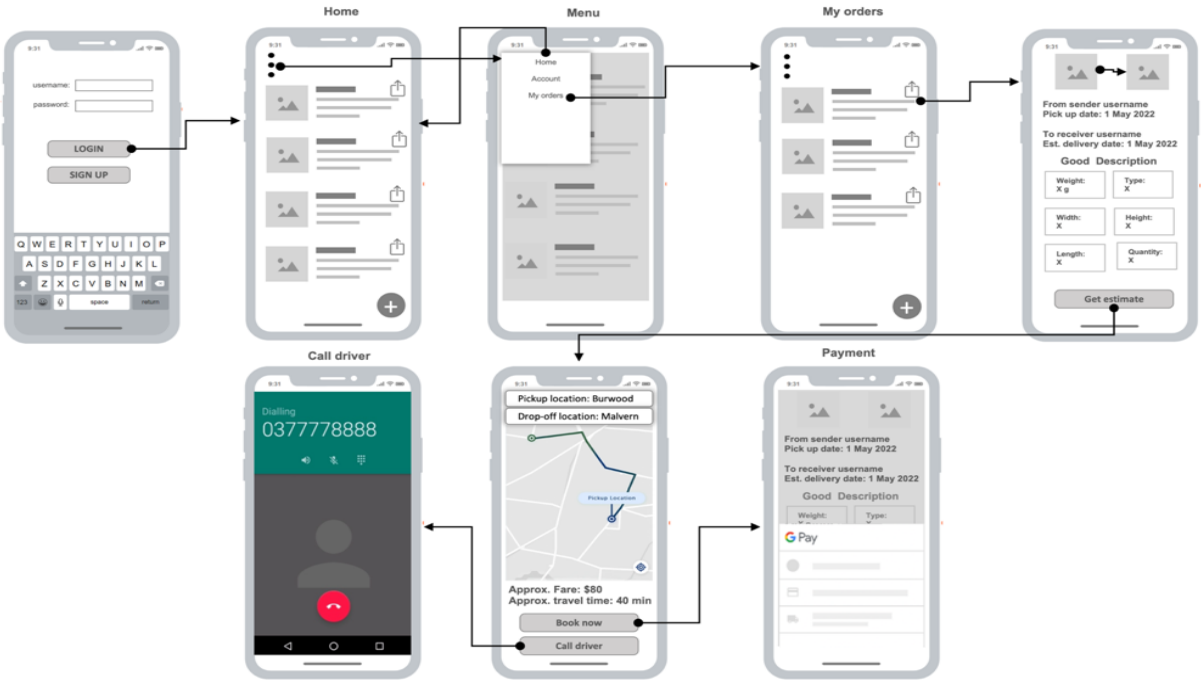
Overview

This assessment task intends to provide you with experience in using *all concepts that you have learnt so far* in Android mobile app programming. You are given the requirements of a truck-sharing *mobile app*. Build an android app that can capture all the requirements conveyed.

Seek ways to employ Google's Private Compute Core Architecture. [For HD Task]

Truck sharing App

Add the new payment, map and call features to your existing truck-sharing app that you have developed in Task 6.1D. These three features need to be added based on the following mobile app interface wireframes.

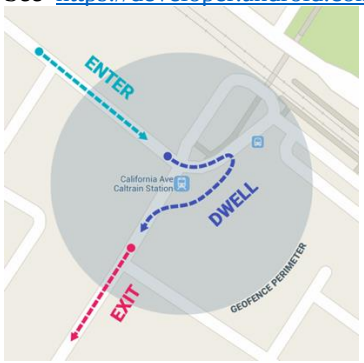


When a user clicks on the "Get estimate" button on the order, the app will be directed to the estimate screen. The user can see the fare and travel time and book by simply clicking on "*Book now*". Then, the app will be directed to the payment page. You could choose any payment API like Google Pay API, Stripe, PayPal and AliPay. It is not limited to Google Pay. The user can also make a call by clicking on the "*Call driver*" button. It can be developed by calling the built-in Phone Call functionality of Android.

Read the PCC document carefully and prepare a 1-page report explaining potential ways to adopt PCC features for advances in this app (privacy, federated learning, federated analytics etc.).

SIT708 students: Implement Geofencing in the app.

See https://developer.android.com/training/location/geofencing



Submission Details

1. Ensure that all your project files are in a directory called "Task 10.1D".
2. All files required to be uploaded and a link to the "Task 10.1D" directory must be submitted to OnTrack.
3. Please make sure that I and your marking tutor have access to the folder.

4. A link to the demo video of your app running must be submitted by using the task submission page to OnTrack.
5. Submit your GitHub link. Also, submit your MainActivity file to Ontrack.
6. It would be great if you could submit the screenshot of the main app screen.
7. Individual assignment: should submit it by 8 pm AEST, Friday, Week 12.