



Parcel Tracker

Track your parcels here

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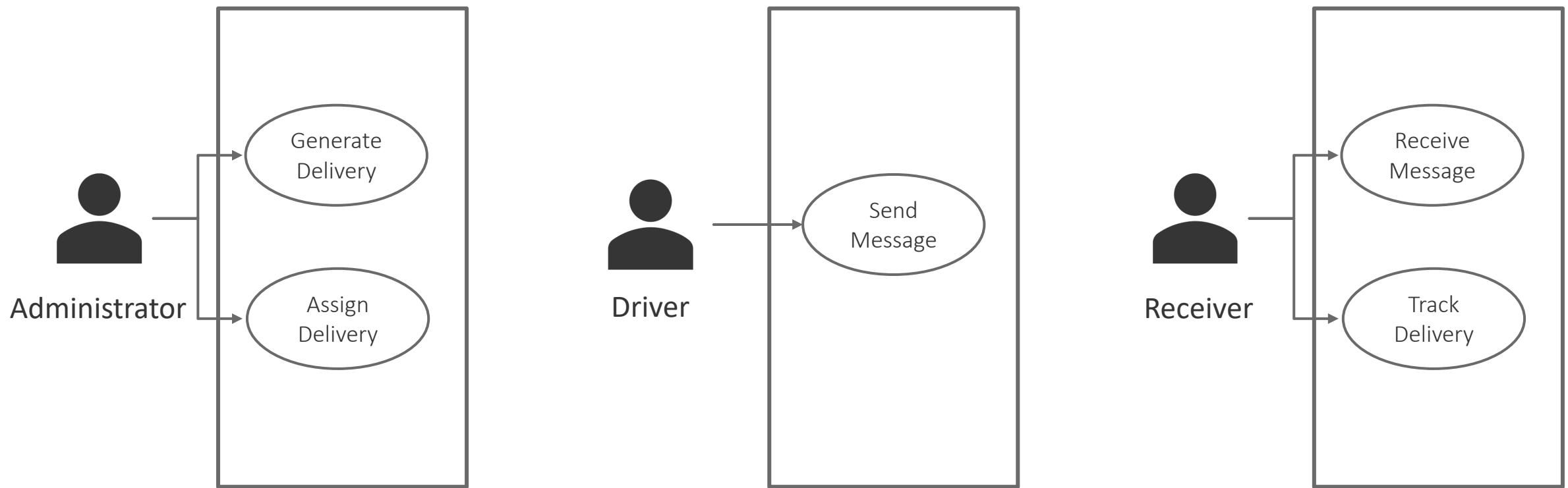
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Introduction

We have selected the Parcel Track app. We want to develop this app which facilitates precise package tracking as online shopping is taking off these days and delivery services are a key part of daily life. This app increases the users experience and makings tracking their packages extremely convenient.

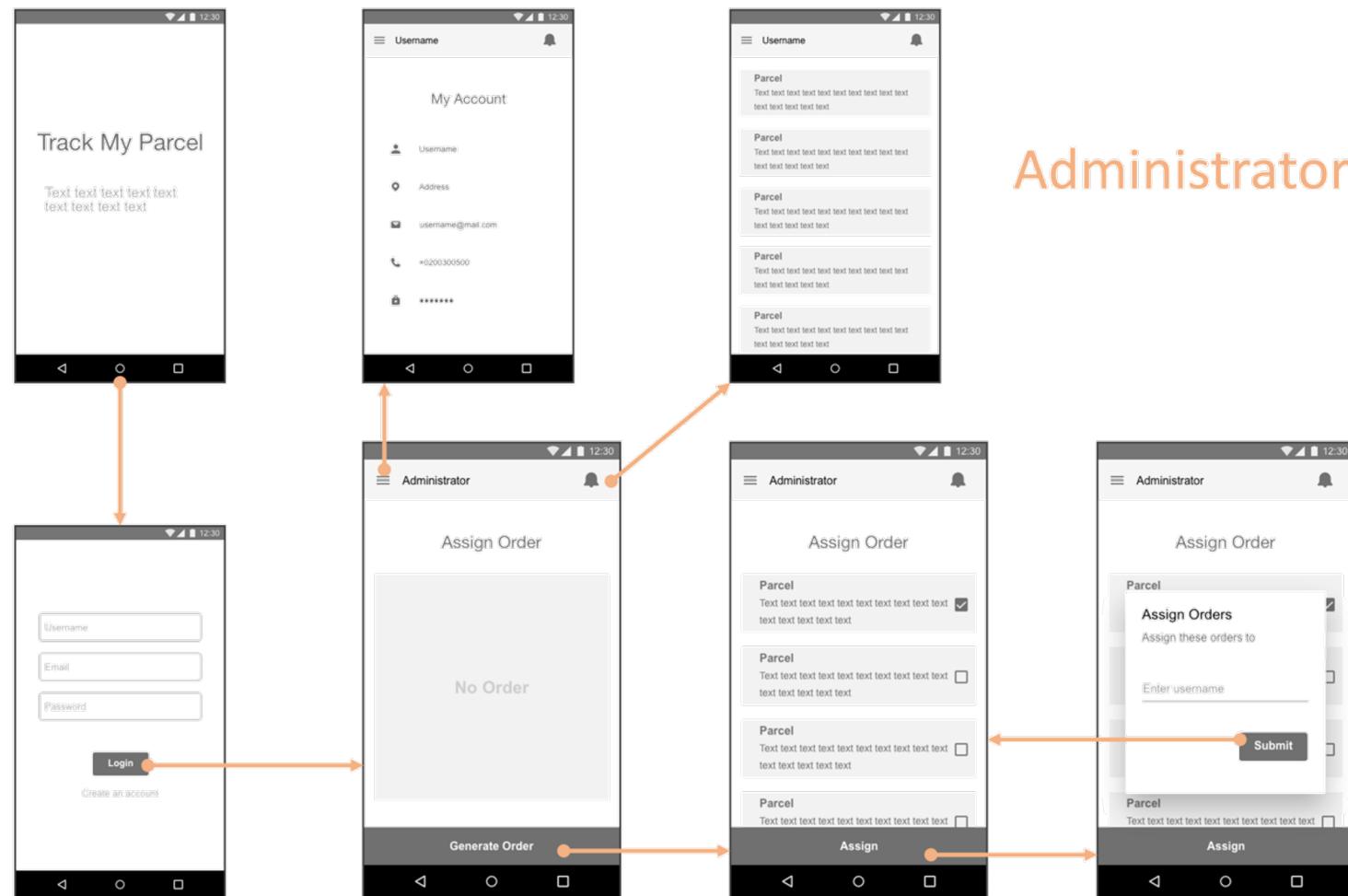
Use Case Diagram



Use Case Scenarios

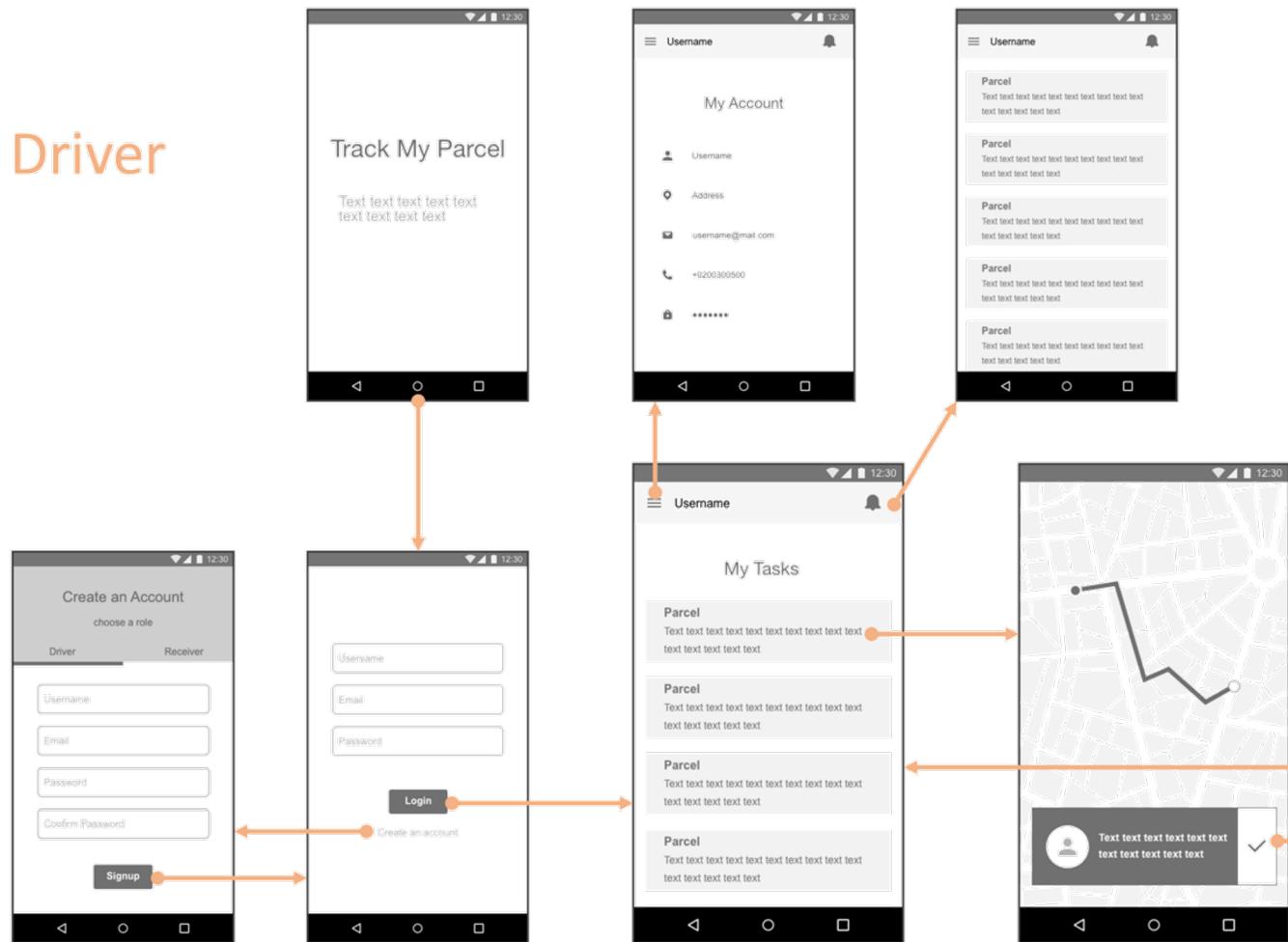
- Every morning, the administrator will get a list of un-assigned deliveries from the database by clicking the “Generate” button in the app. He selects a few of deliveries the destination are in the same area and enter the driver’s name in the alert dialog after he clicks on the “Assign” button. He confirms and the app will go back to the deliveries list, he can assign other deliveries to other driver.
- After the administrator assigned the deliveries will be displayed in the driver’s app. The driver click on the delivery card, will send a message to the receiver to tell him how long the parcel will be arrived.
- After the driver send the message, the receiver can receive the message and can see the delivery in his app. He can click on the card and a google map will be displayed and show where is the parcel.

Wireframes - Administrator



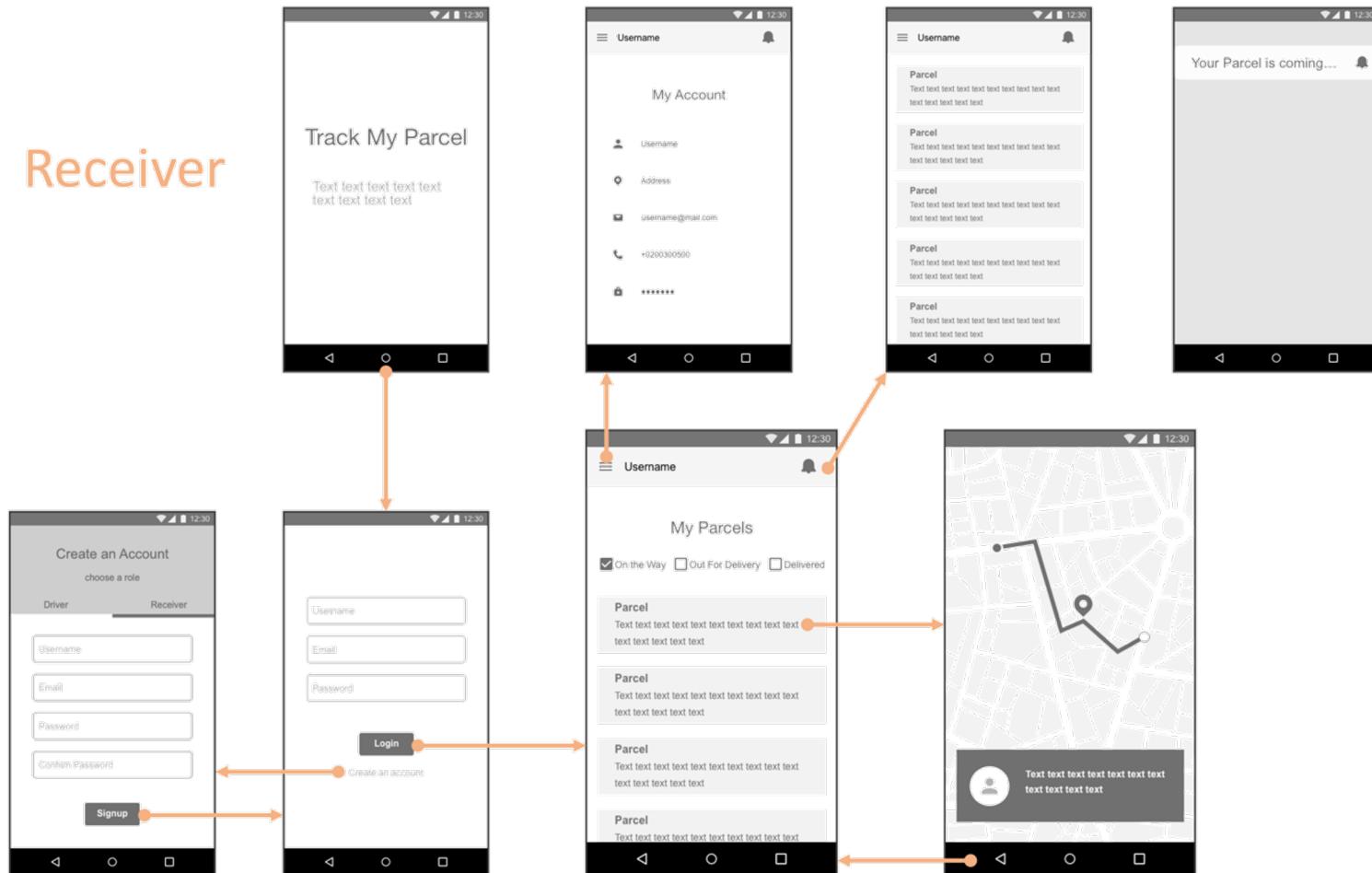
Wireframes - Driver

Driver

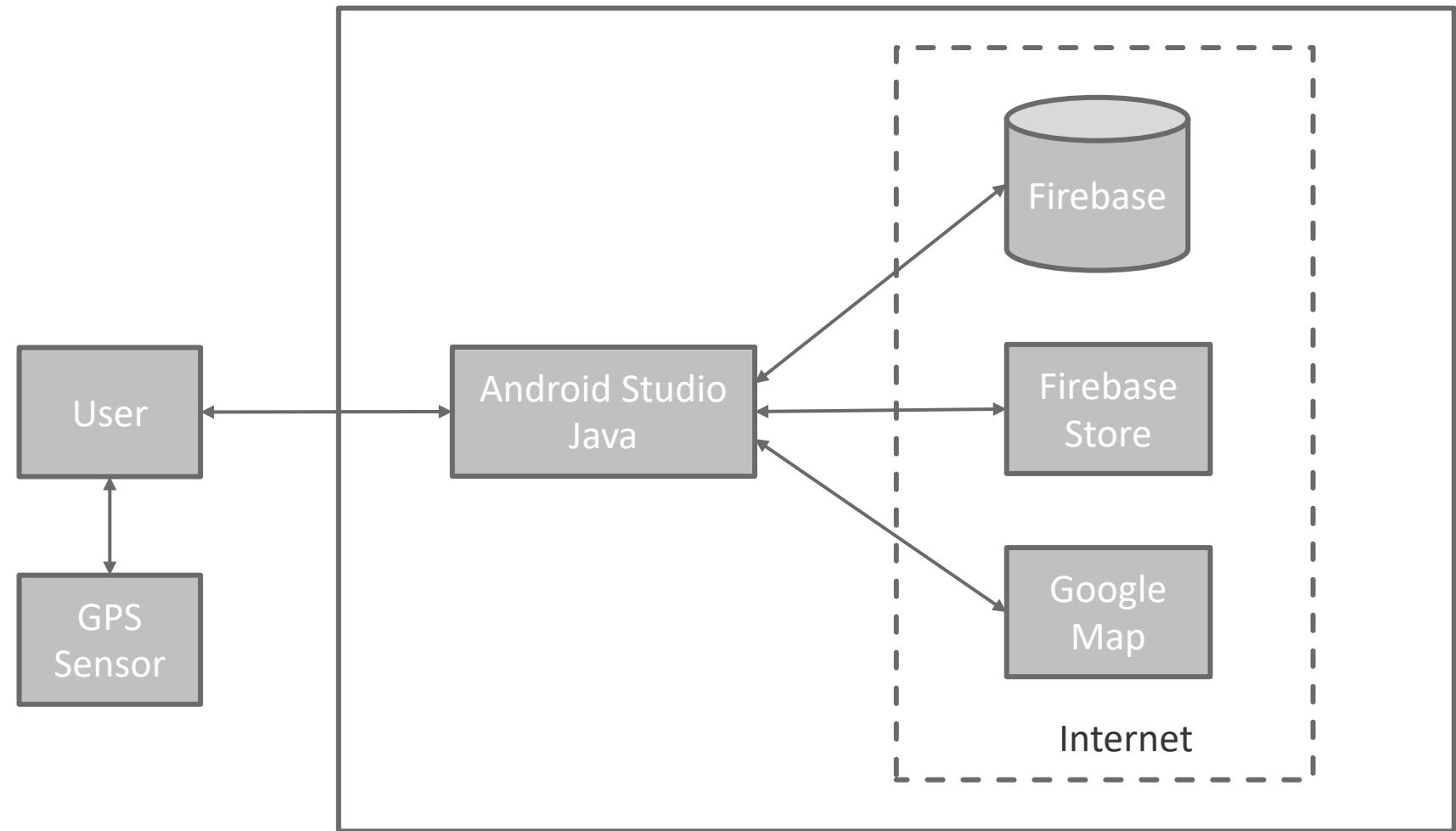


Wireframes - Receiver

Receiver



Architectural Design

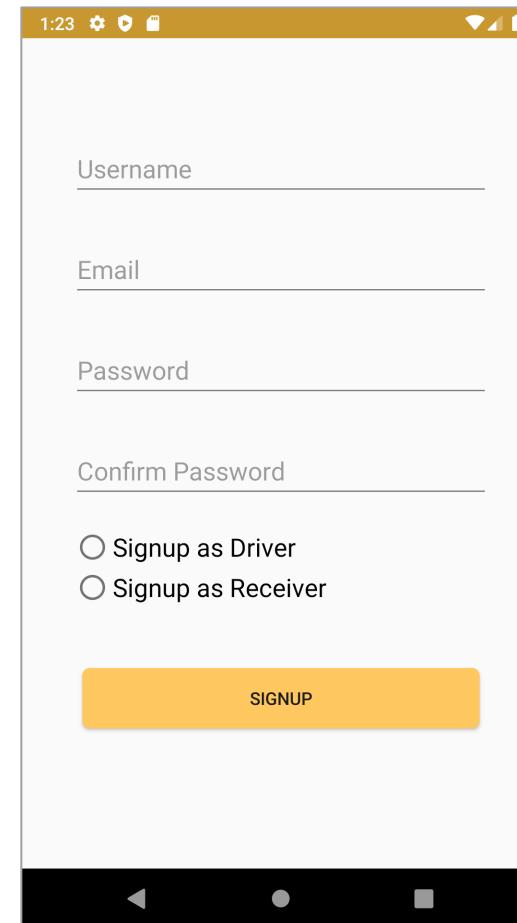
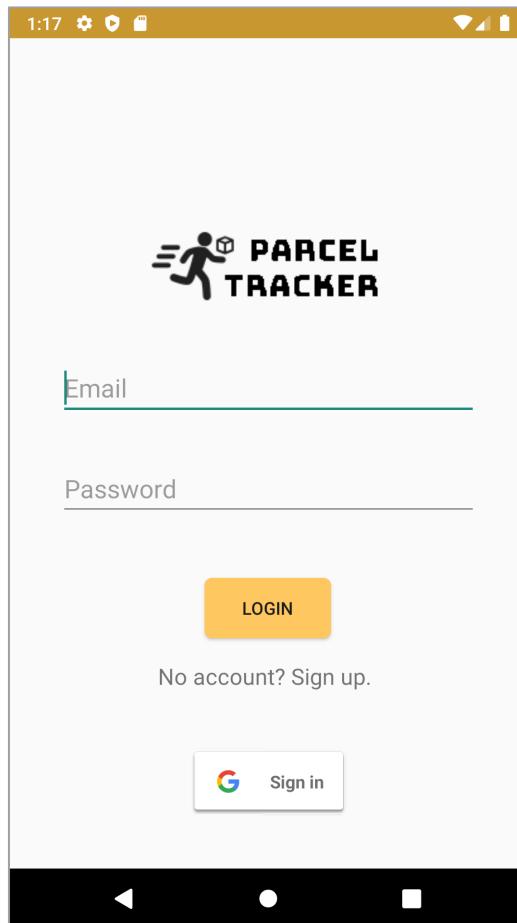


Project Highlights

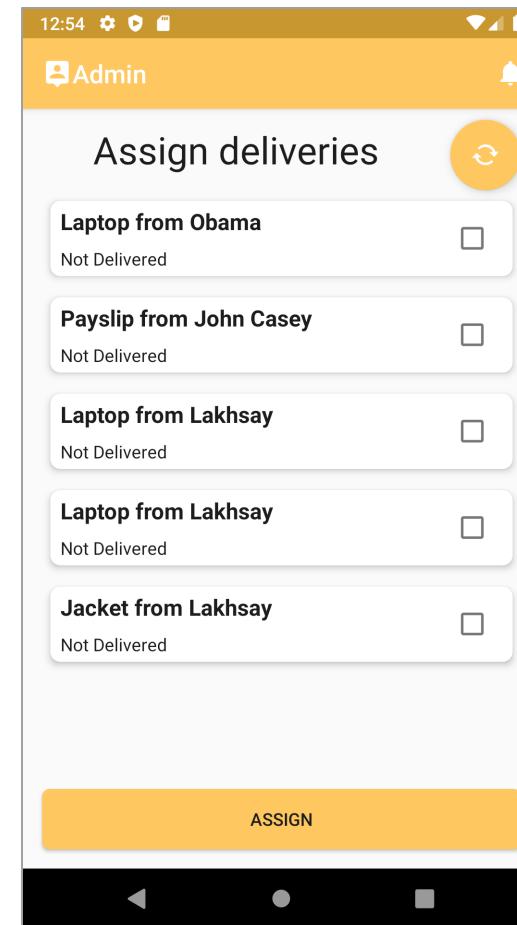
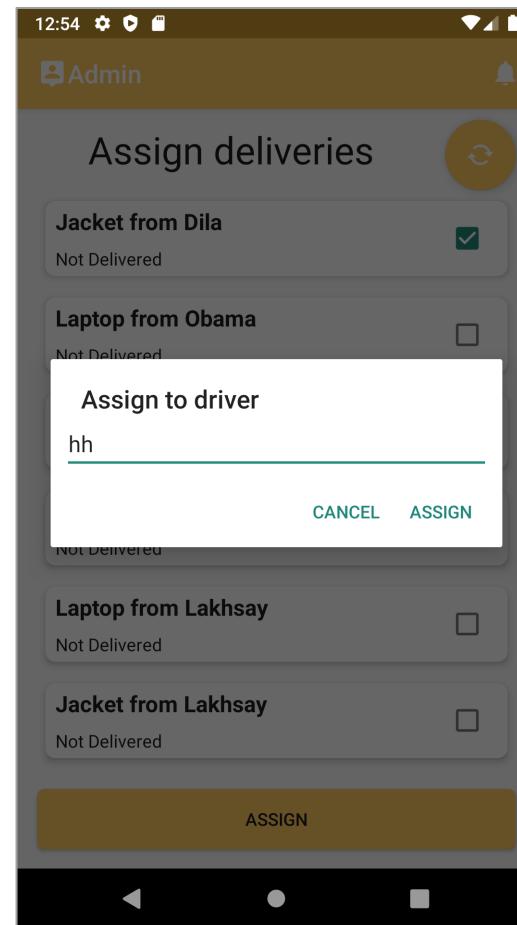
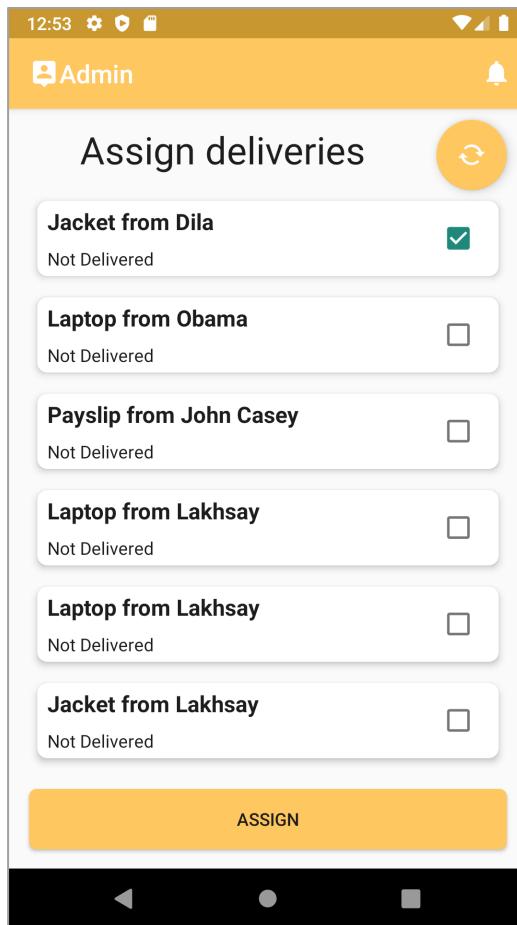


- Object Orientated Design
- Multiple Activities with appropriate navigation
- Store/Retrieval of Information
- Recycle View
- Sensor: GPS
- Firebase
- Firestore as instant messaging
- Google Map
- Login (+ using Gmail)
- Signup
- Random generate data
- Unit Test
- Version Control

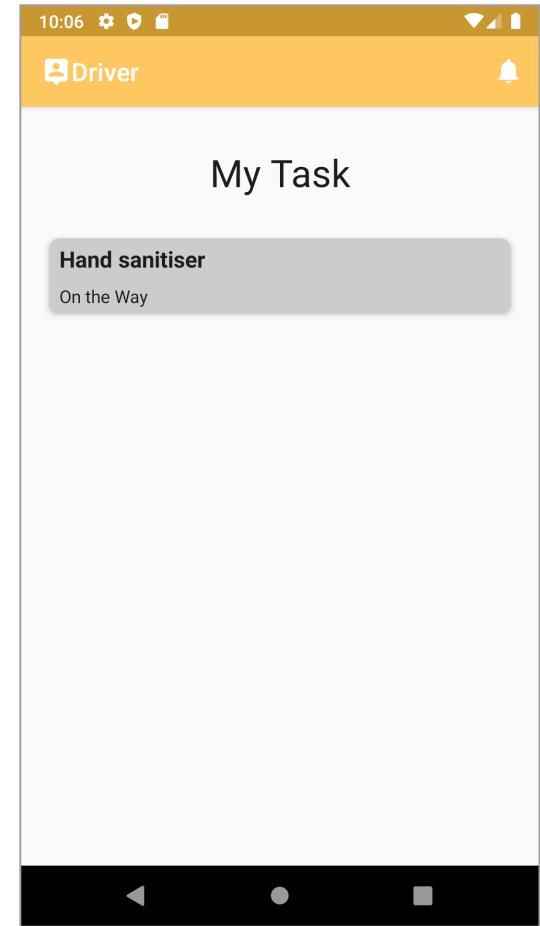
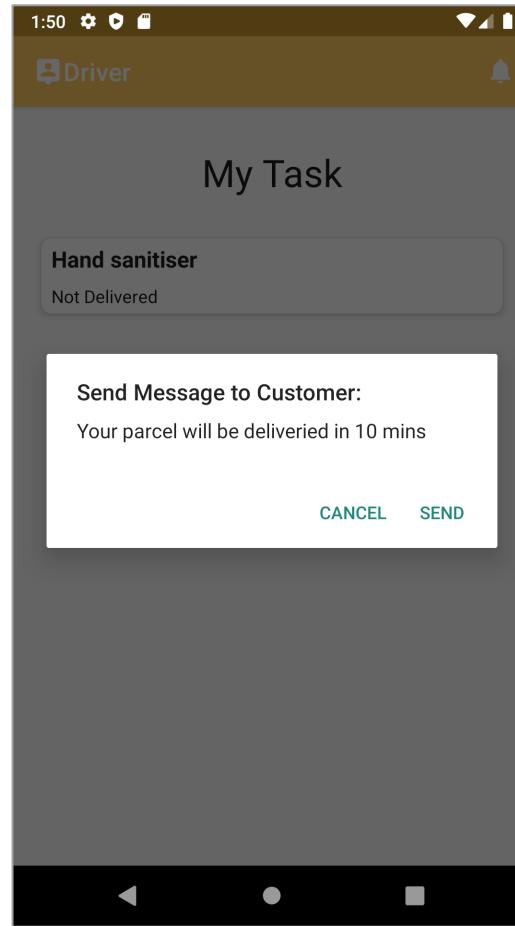
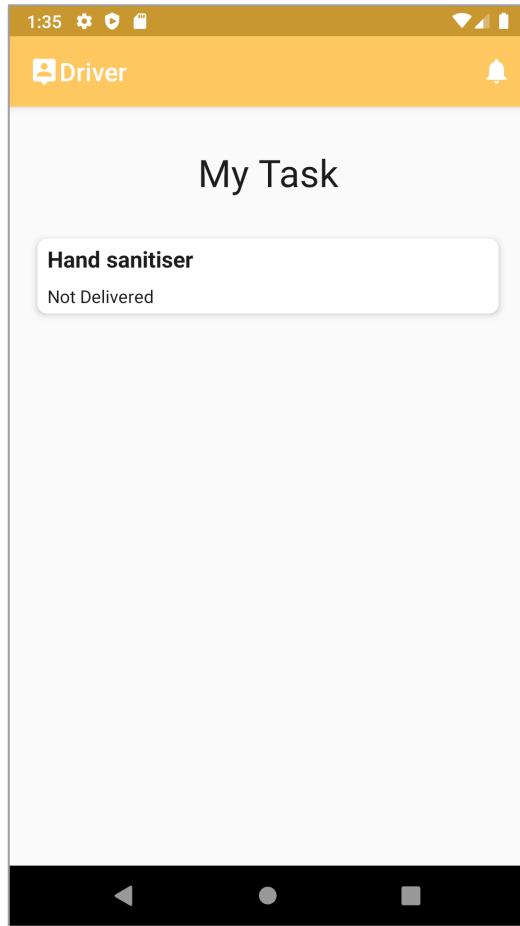
Product Screenshots – Login & Signup



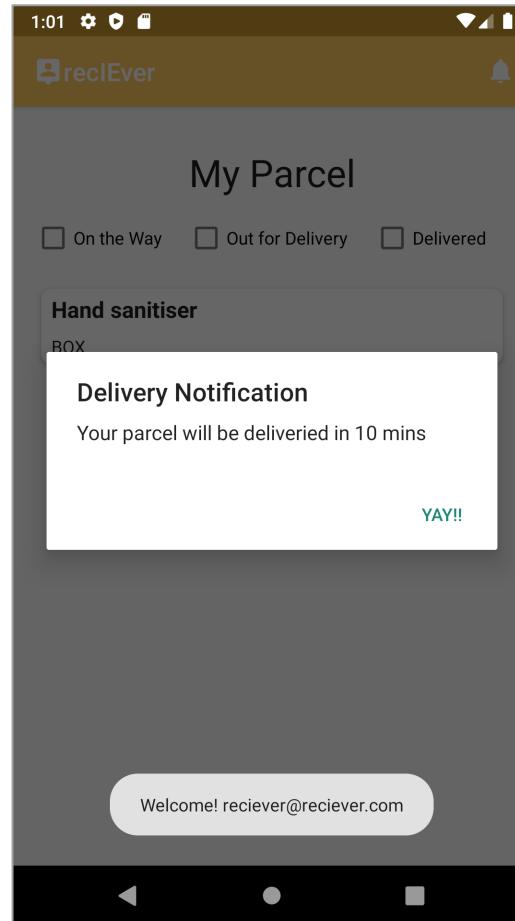
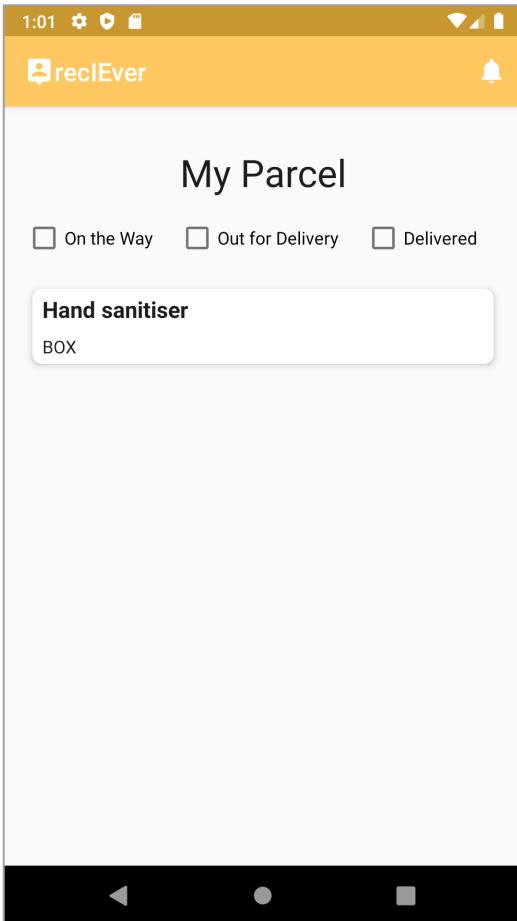
Product Screenshots - Administrator



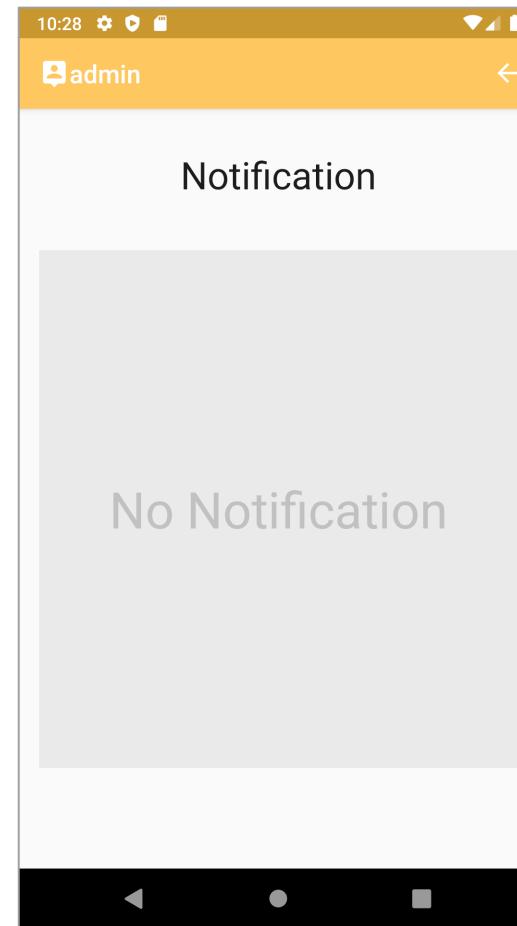
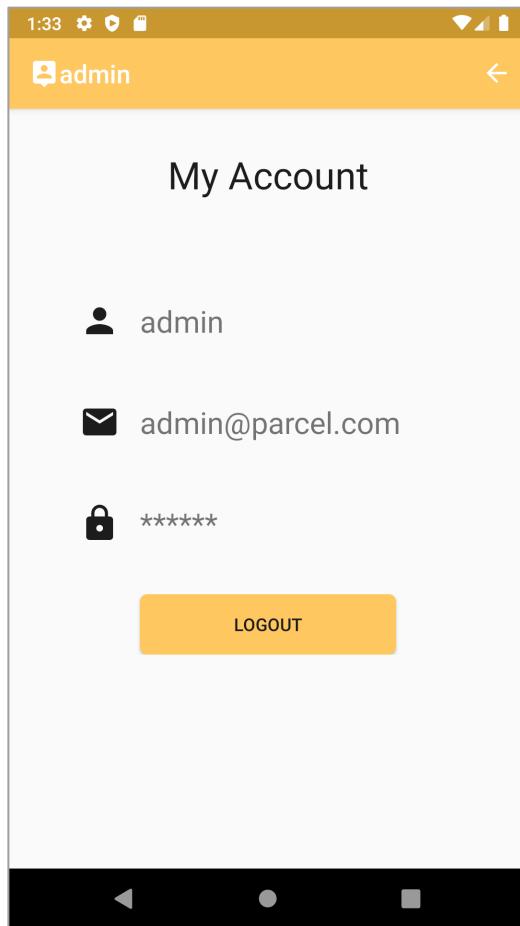
Product Screenshots - Driver



Product Screenshots - Receiver



Product Screenshots - Others



Team Reflection

- Used GitHub issues to manage task
- Used Trello to manage project
- Good communication via Messenger
- Everyone is actively involved in the project

Well Done!



Team Reflection

We Should:

- Have a product owner, to control everything is running to the right direction in the right time
- Have project plan
- Clearly assign the tasks to each member: who, what, when
- Try to estimate the time required for the work as accurately as possible
- Use Agile practice: continuous integration, continuous delivery

Do Better!



- Thanks -