Falco

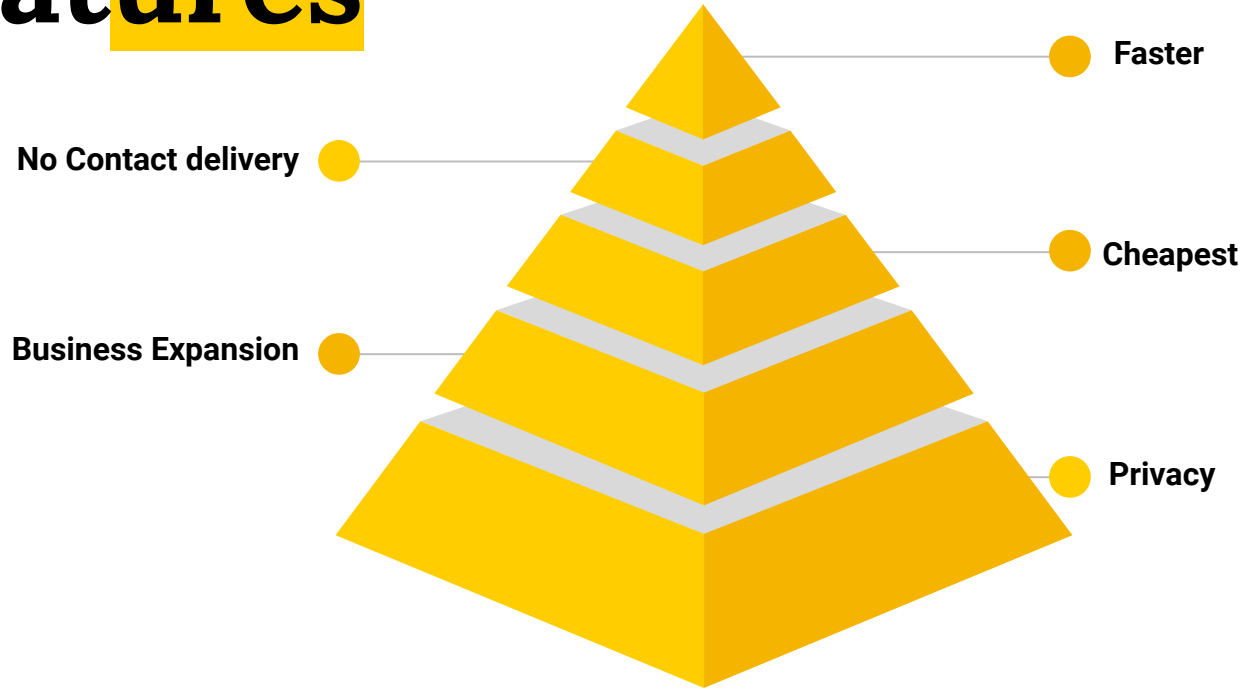# Problem Statement

- The *fast growth of online ordering* has increased the demand for delivery labour by a factor of ten.
- A drone that can be used to *deliver parcel to your doorsteps*
- The drone should be able to *avoid any collision* such as trees,buildings, other UAVs or sign boards.

Features

Faster

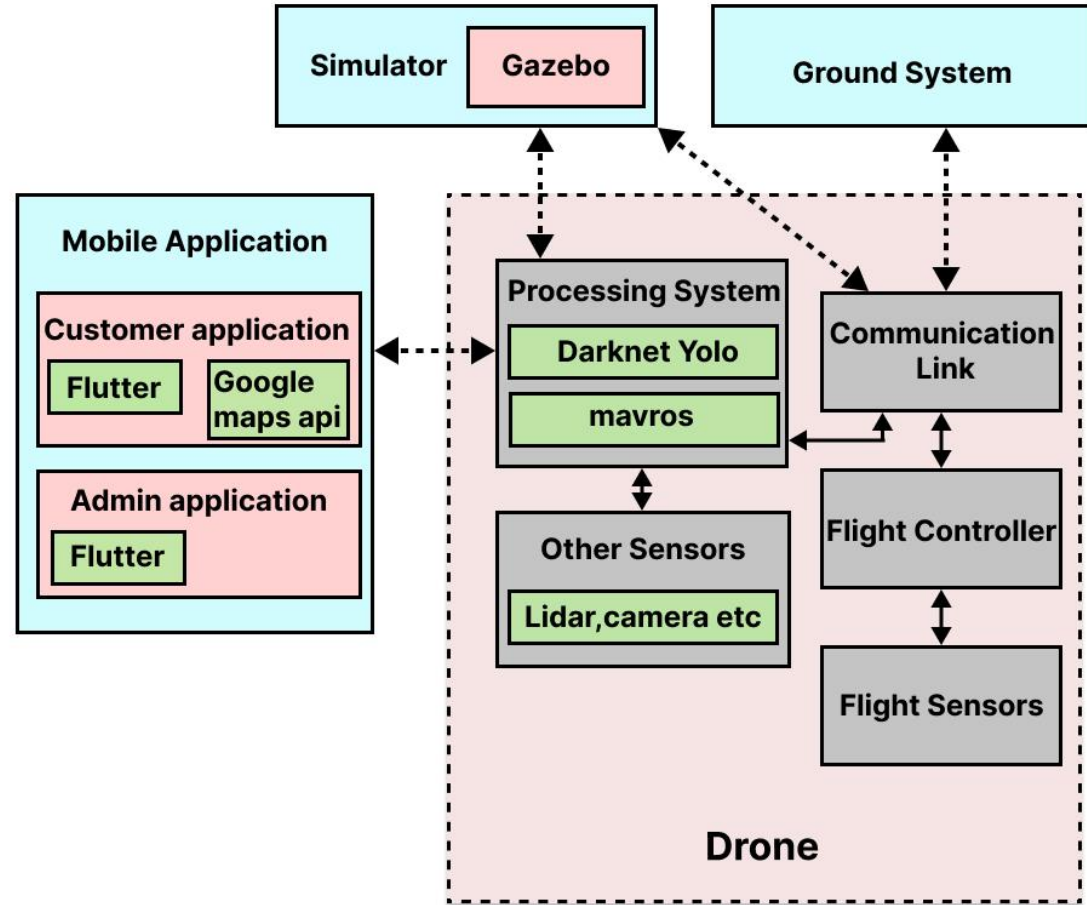No Contact delivery

Cheapest

Business Expansion

Privacy

Our Solution

- Falco promises a fast delivery of your parcels without any hitches to the customer.
- Controller can log onto the app that was created using Flutter.
- They can see the drones that are available and nearby.
- After choosing one, track the location through the app.
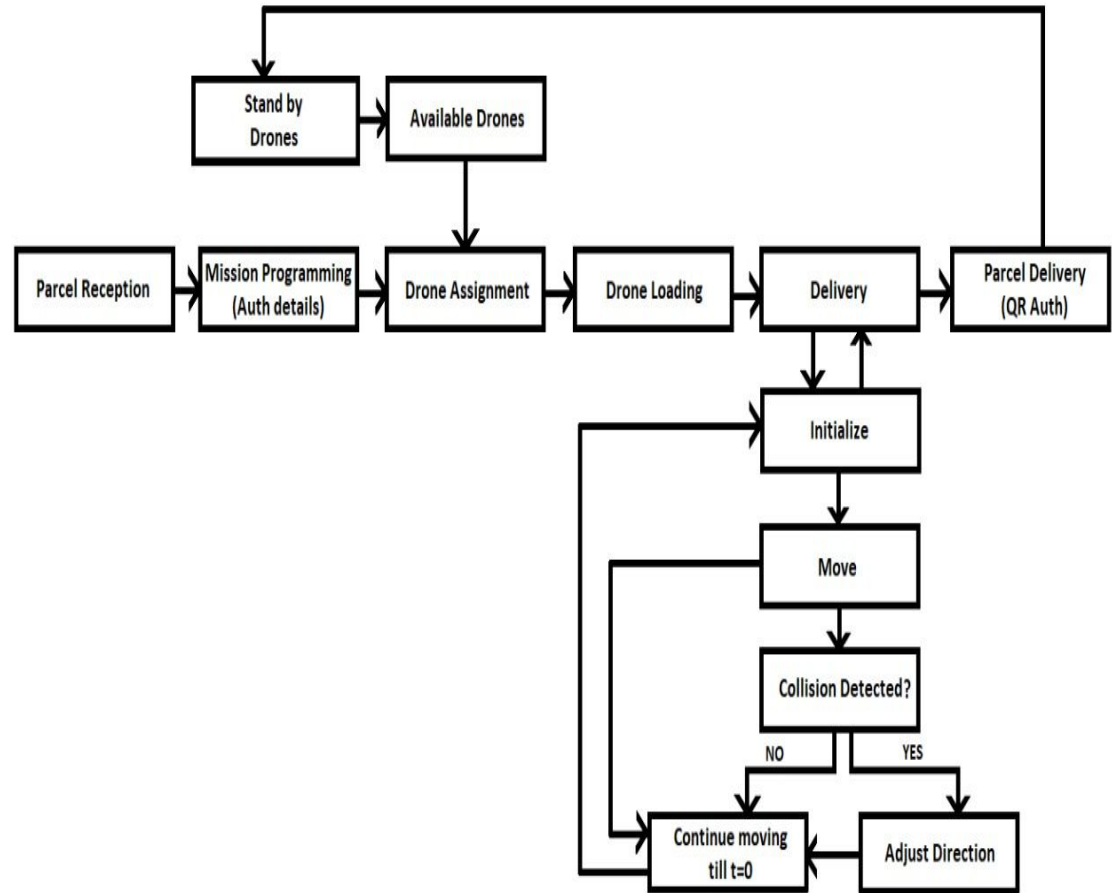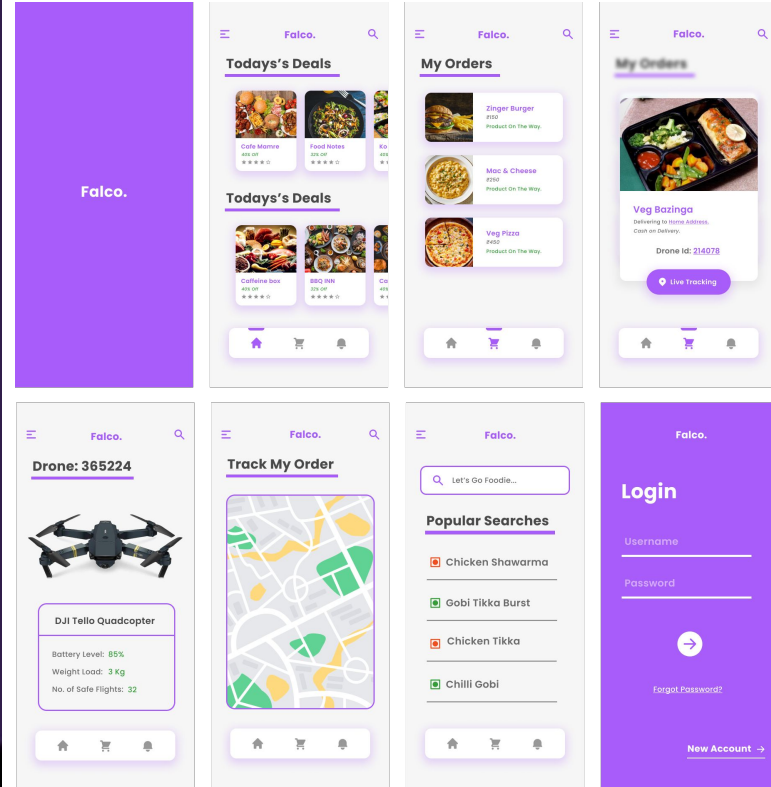- The Drone can detect and avoid obstacles.

Architecture

Simulator — Gazebo

Ground System

Mobile Application

Customer application
Flutter | Google maps api

Admin application
Flutter

Drone

Processing System
Darknet Yolo

mavros

Other Sensors
Lidar,camera etc

Communication Link

Flight Controller

Flight Sensors

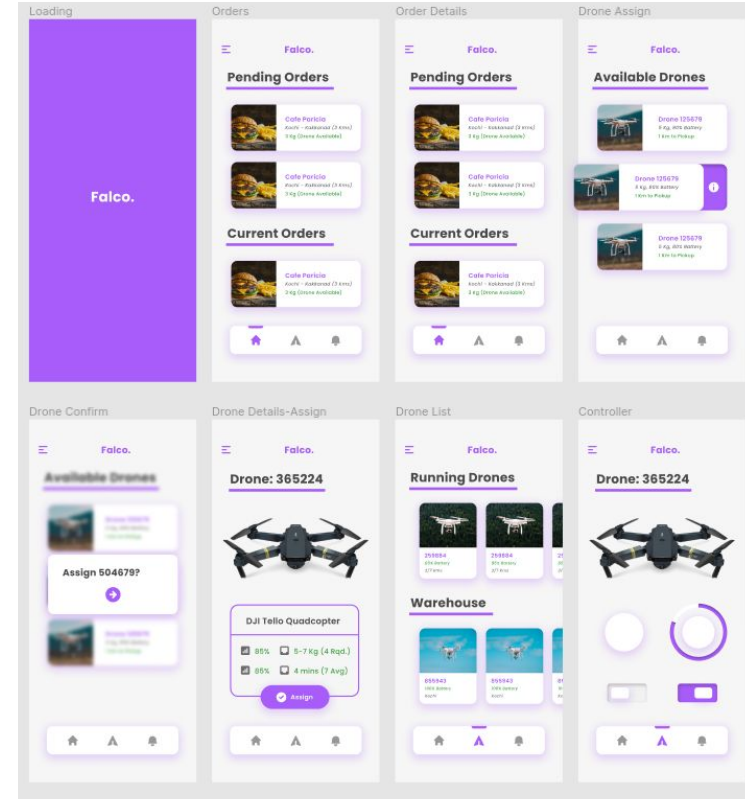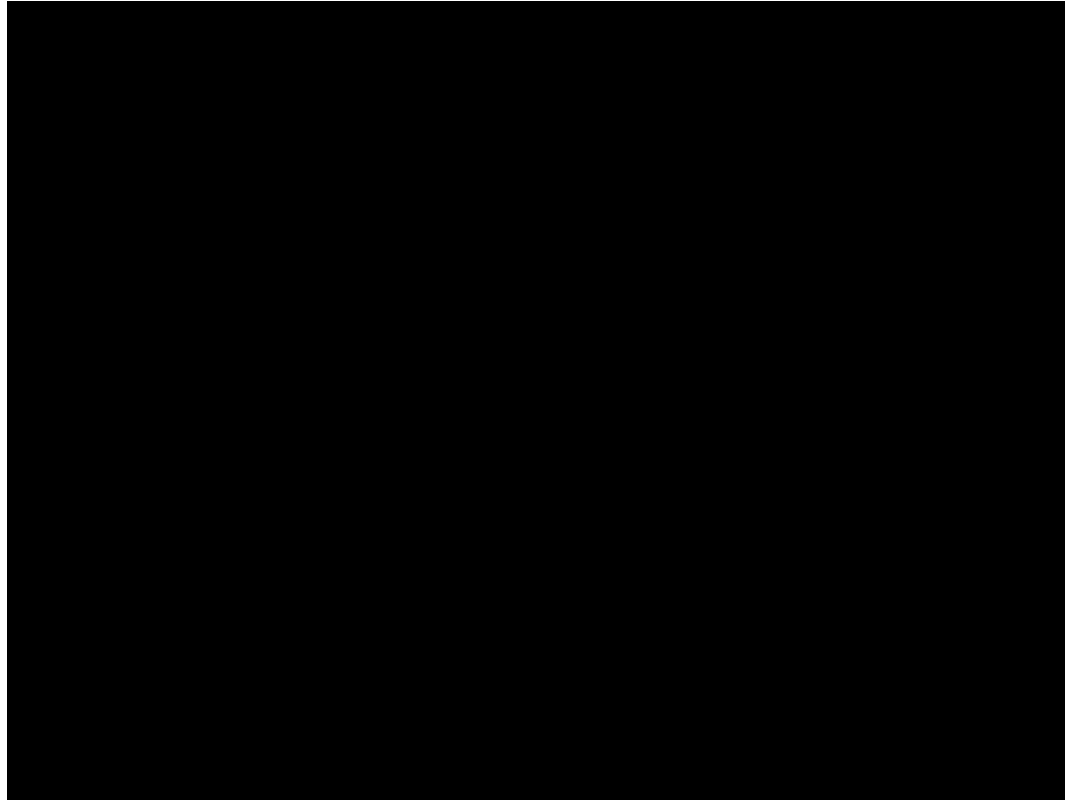## Application Flow

Customer application   UI/UX

Controller application   UI/UX

Drone Simulation
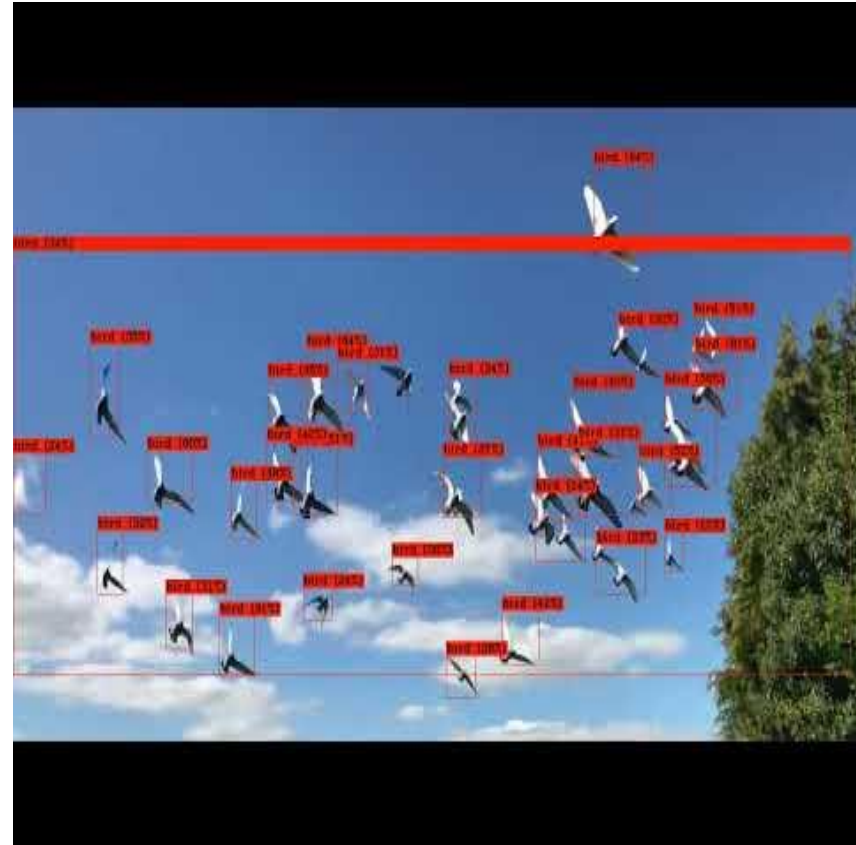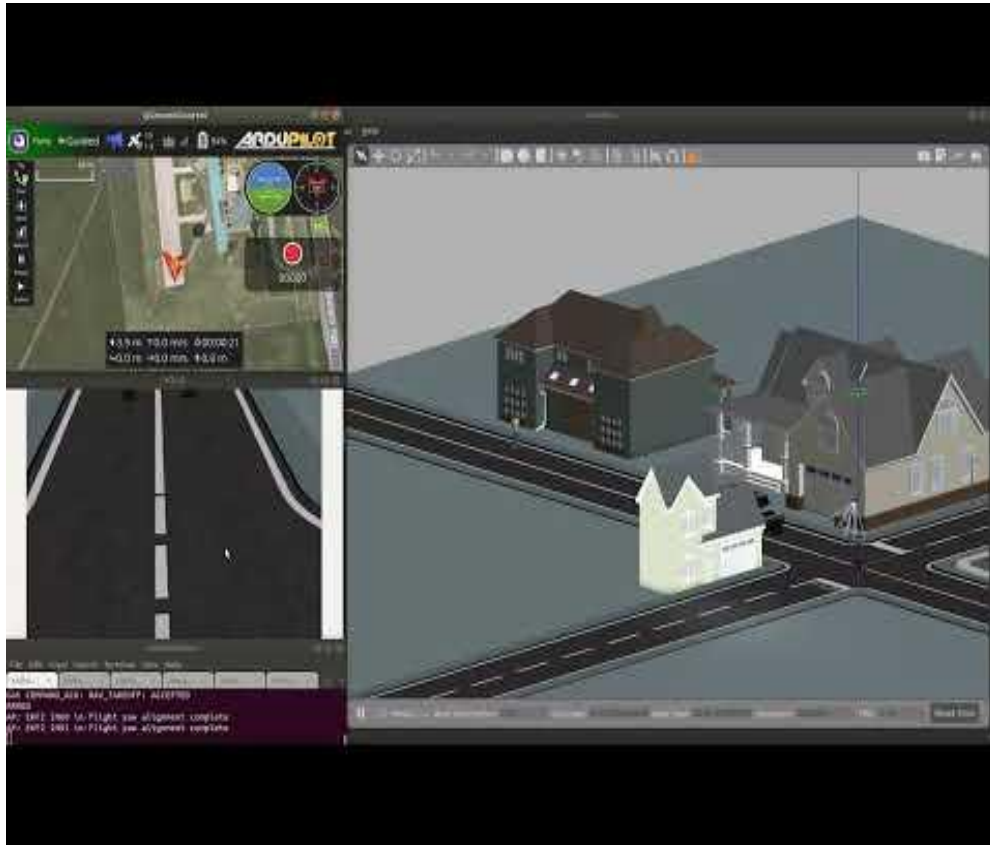
Any **questions** **?**

Thanks!

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