iSkynet – Be The Eyes For The Drone
Having Safe Flight Without the Worries of Danger & Trouble

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No-Fly Zone Restriction
- Record Drone’s Coordinate
- Ignore No-Fly Zone Detection
- Activate Waypoint Mission to Drone’s Last Recorded Coordinate

Collision Avoidance
- Coordinate very near to the drone
- Coordinate near to the drone
- The Drone
- Coordinate quite near to the drone

Surrounding Information
- Aircraft
  Real-time tracking of airplane, drones, etc.
- Weather
  Real-time tracking of the weather condition based on the drone’s coordinate.
- No-Fly Zone
  Real-time update of the changes in No-Fly Zone
- Country Law for Drone
  Real-time tracking of the country law based on the drone’s coordinate

Technical Information
- Store drone information
- Store Law information
- Store No-Flu Zone information
- Store Account information
- Account Register & Login
- Display the airplanes and drones
- Display the No-Fly Zone
- Develop the Web Application
- Develop the Android Application
- The basic features of DJI App

Web Application
- Create, Update, Delete of No-Fly Zone & Country Law
- Real-time Tracking of Airplanes & Drones
- Add Drone Simulator and Waypoint Mission Simulation

Remote controller has the highest authority of drone control over Android/iOS App. Hence, Waypoint Mission is used to overcome this problem.

For Polygon, a Math formula is used to calculate the center of polygon and use that to extend the nodes of each side.

Eg. New Latitude = OFFSET x Latitude + (1-OFFSET) x Center Latitude.
Same formula applied to New Longitude.