

## PROJECT BRIEF

Client:	Airplane Owners and Pilots Association (AOPA)	Deadline:	April 30, 2021.
Project Name:	Project Fly	Author:	Anika Hara

### THE ASK

#### What is the objective of the project?

Here you need to define the problem: the need statement that you have chosen to address, the target audience (who the apps users will be)

And describe your solution: what your mobile app will be and how it meets the need statement

Marry needs a way to cut down the flight preparation time so that she can spend more time flying.

The app will have a map, weather, wind speeds, and navigation. The app will be able to fill out the navigation log form with the information provided by the map, weather, navigation and the pilots input. The pilot will be able to input where they are departing from and where they would like to land so that the app can look up the weather and the navigations for their desired route. The app will also refresh it's weather reports in case the weather changes. Any changes to navigation or weather will also be changed in the navigations log form.. The app will send alerts if flying conditions are dangerous. The app will have a flight checklist to ensure that the pilot is ready for take-off. The app's map will give suggestions on activities, restaurants, and shops near the arrival location that the pilot has input, the navigation will give the directions to the suggested activities, restaurants, and shops.

#### What are the deliverables?

Here you need to define your minimum viable product - exactly what it will include (you should include the number of screens and what would be on each screen).

And describe your three additional features - exactly what they will be (and whether they will be embedded on existing screens or if they will add screens to the app). List them in order of priority.

#### MVP:

- The app will have a home screen, where the pilot can input their departure location as well as their desired arrival location. (1 screen)
- The app will send alerts if flying conditions are dangerous (notification)
- The app will be able to fill out the navigation log form on its own with the information provided by the pilot, and the data collected from weather and wind reports as well as the navigation. (1 screen)

- The app will have weather, wind speeds, map, and navigation (4 screens one for each)
  - The weather screen will have the weather forecast for the departure location, arrival location, and the areas they will be passing through during the flight. The app will show the weather forecast for all locations in an organized manner.
  - The wind speed screen will have the predicted wind speed for the departure location, arrival location, and the areas they will be passing through during the flight.
  - The map screen will show a map of the areas they will be flying over. Pilots will be able to look at the map and see exactly where they are located on the map.
  - The navigation screen will show the pilot the directions for their planned flight and will also give suggestions on specific routes to take to cut down flight time.
- The app will refresh it's weather and wind reports in case there are any changes. Any changes to navigation, weather, or wind speeds will also be changed in the navigations report. (embedded into Navigation Log Form, Weather, and Wind speed)

Additional Features:

- The map will give suggestions on activities, restaurants, and shops near the arrival location (embedded in map)
- The itinerary will give an organized plan on the route and any activities that have been selected by the pilot (1 screen)
- The app will have a flight checklist to ensure that the pilot is ready for take-off. (1 screen)