PROJECT BRIEF

Client:	AOPA	Deadline:	November 10, 2020
Project Name:	Mobile App Development	Author:	Jana Allingham

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

Mary, an enthusiastic hobbyist pilot, needs a way to make flight planning faster and easier so she can spend more time flying and go to different places.

Users include pilots and co-pilots.

We would develop an app that pilots would enter in pertinent aircraft information that would calculate and display airports in a safe fly radius; these results would appear as an alphabetical list on one screen and a plotted google map view on another screen.

This app will help to lessen the flight planning time as the users will have all the possible destinations readily available to them beforehand and can make partial flight plans ahead of fly days.

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.

The MVP would consist of 3 main screens and an "About" screen. The first screen would be the "Setup"; it would contain 4 queries the pilots would fill in and submit. Queries would be "Type of aircraft" "Fuel capacity" "Range" "How many persons on aircraft" and "Home Airport". The results would populate on two new screens: one a google map ("Map View") with the locations pinned, the other with the locations shown in a list format with check boxes ("Flight Info"). The map would strictly be a visual tool; the list view screen would have the option to select one or more locations. Each screen would also have a collapsed menu in the upper left-hand corner to give page toggle options. The "About" screen would have the application information, version, company name and contact information.

Additional features for consideration are as follows:

1) Calculate flight planning information on chosen locations. The pilots would be able to select a location by checking the box then submitting and the flight plan information would populate on a new screen. This information would be exportable and the option to save the information in the app.

2) Current weather information. The option to select the pinned items on the map that would take

them to a new screen with current weather information on that location. It would show them the air temperature, windspeed, air pressure, and extended forecast.
3) Calculator. We could embed a calculator on the bottom half of the weather information screen. Instead of having to leave the app to use another calculator, one would be readily available in the app itself which would save time for the pilots.