PROJECT BRIEF

Client:	Airplane Owners & Pilots Association (AOPA)	Deadline:	April 30, 2021
Project Name:	Raise Memberships	Author:	Misko Valent

THE PROPOSAL
What is the objective of the project?   Pilots like private owner Mary need easier methods to plan flights in order to spend more time flying.
The mobile app for private pilots will take into account the flight travel locations, plane design & dynamics, latest weather conditions in affected areas and using specific designed algorithms to calculate the flight plan details required by the FAA to secure travel plans for the pilot.   There are many regulations for a pilot to follow, a lot of the information necessary to submit to the FAA to secure a flight plan is very time consuming. Old methods require hours of time spent to calculate the details needed to plan a simple flight plan. Making any altercations to the plans nearly impossible. Recreational flying is not something that is done spontaneously and therefore convincing new pilots to join not very easy.   Designing an app that would potentially save hours with simplified flight plan calculating would be a very welcomed benefit to make recreational flying easier to obtain, thereby, encouraging possible memberships.
What are the deliverables?   The MVP would have one main screen that would provide data inputs necessary for the flight plan to be calculated. Depending on the how much information the FAA required, we would provide a screen for each step on the planning process, maintaining stored calculations along the way. Right now, we feel three steps (screens) would provide the necessary calculations. The pilot can use the provided results to fill out the necessary paperwork FAA asked for and submit to secure the flight plan.
Possible Feature #1: Submitting the results to the FAA via email or Fax. This could be on the final screen, showing all the final information (say in a prefilled PDF FAA form), only needing the pilot to check over the info before clicking submit. One last screen would show confirmation whether the information was received or not.   Possible Feature #2: Creating a user profile option. A user account profile screen would store repeated information, like the plane dynamics, frequent travel destinations, and of course info about the user. The form can be prefilled within this screen, allowing possible changes or substitutions, before submitting for flight plan calculations.   Possible Feature #3: Contacting friends and family your plans. Always wise to let loved ones know where you will be and when you are expecting to return. This will ease any worries for people who like to know where the pilot (and fellow passengers) are going. Having a contacts option would also save time communicating information if plans change (handy to have that ability). Maybe fellow pilots will even join them on their travels.