PROJECT BRIEF

Client:	Airplane Owners and Pilots Association (AOPA)	Deadline:	April 30, 2020
Project Name:	Paperless Flight Planning App	Author:	Joslin Sanger

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
The problem identified is that pilots are using excessive amounts of time in pre-flight planning with paperwork tasks that took away from the enjoyment of flying and made some amateur pilots less likely to fly often. The needs statement can be summed up as follows: There is the need to complete the required flight planning more efficiently and with less time. Solution: The solution is an app that would replace the manual flight planning tasks and assist the pilot with the required mapping, forms, and would contain a computer-generated slide rule (E6B) that pilots need to complete some of these tasks. The app would contain pre-flight choices as well as in-flight choices. In-flight choices would assist with notifications of weather, landing delays, wind speeds and other factors and would help the pilot by calculating landing times at the various airports. By using this app, pilots would have much more time to fly with less time spent on lengthy flight preparation and so would be much more willing to book flight times with the company.
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 app would have the minimum viable product of forms, maps, and E6B slide rule. The landing page would have username and password, then there would be a page for all the pre-flight airport forms required and dependent on the airports chosen, maps would be generated. There would be also a screen with the slide rule so that the coordinates could be inputted. Additional features in priority order would be: - screen for weather conditions   - Screen for generating landing times based on speed, wind, and airport landing availability   - Additional feature with lists of airports and amenities close by (to encourage use of more airports)