

App Description

- **App Idea** – a few sentences describing the main purpose of the app and what it will enable.
 - The main purpose of this app is to enable post-fire assessment teams to easily log and store data of ash collected on the field. This should include things like the color, depth, and moisture of the ash. Using the data collected, they can see the impacts the ash has had on the area over time. They also can use this data to see if ash from these fires will move to water systems so that they can make a plan on what to do.
- **Users** – a list of different user types with a few words description of the user and their role using the app. Include information such as their expected age and expertise with technology.
 - Scientists - The scientists will most likely add and store information in the database along with wanting access to the database for research and testing. There isn't an exact age range for this group and we can't expect a deep understanding of technology so we must ensure that the app is streamlined and simple.
 - Post-fire assessment teams - The post-fire assessment teams will be using the app on the field to track the ash. It's unclear if they need access to the database itself, but they will need to be able to upload data to the database and store it temporarily offline. There isn't an exact age range.
- **App Usage** – This is a brief description of the users using the app.
 - The app will be used on the field relatively recently after the wildfire has swept through the area. They will return to the wildfire plots every 2-4 weeks to see what the ash looks like after some time. This means that the user will most likely not have access to the internet so the app must be used offline and then upload the data later when a connection is established.

- **Data** – List of general data types. This is NOT a detailed list. For example, you could list “form data”, “device GPS coordinates” and “photos.”
 - Photo data
 - GPS coordinates
 - Time stamps
 - Observation notes
 - Possible usernames
 - Moisture level
 - Depth of Ash