

PRD

PROBLEM AND TARGET USERS

Park management can utilize modern dashboard interfaces to better assess risk and allocate tasks to employees. Those who are visiting or frequent the area can volunteer to add to the dashboard via personal uploads. This will benefit those who use the areas, like tourists and locals, as well as the park management, and those who work with them.

GOAL AND SUCCESS METRICS

- * Be able to correctly identify photos, possibly given a description, with a (tentative) 80% accuracy into categories of issues a park might face.
- * Dashboard filters, functions, and displays all information intuitively and in working order.

MVP USER STORIES

- As a park staff member, I want to be able to filter and see structured issues in a modern format, so that I can delegate tasks efficiently.
- As a park visitor, I want to be able to contribute easily to the workflow with a snap and a sentence, so that the park can continue to improve and my time here is enjoyable.
- As an employee, I want to be able to understand my role and day-at-a glance, so that I have a way to plan my shift and responsibilities.
- As a ranger, I want to be able to understand how risk assessment and categorization is completed, that I may understand how these tasks are organized, and make manual changes if needed.
- As a tourist, infrequent visitor, or a general park goer, who may not use the app whatsoever, I might not do much in the way of contribution, but I can always quickly use an anonymous report and appreciate the park staying in good shape.

MVP SCOPE VS. NON GOALS

- We WILL be looking for photo recognition, sentence entry, and categorization of issue on the user side of the application.
- We WILL be looking for basic date/risk/category filters, dashboard viewpoint, and clean visuals for the management side of the application.
- We WILL NOT be adding specific park constraints, we will be working with a test sample of parks (moderate trail, desert region) and not all types, and this will not have additional categories yet.
- In the future, we'd like to add more categories, customization for per-park basis, and a cleaner, more streamlined dashboard/user interface.

ACCEPTANCE CRITERIA

Pass:

- * AI needs to get at least 50-75% of the test examples, aiming for higher end of range
- * Output is structured, and easily understandable
- * System produces a good priority level and categories are sortable

Fail:

- * AI outputs are too inconsistent, vague, or unusual
- * Too much manual correction needed
- * Cannot see or view screen/dashboard
- * Doesn't categorize or sort correctly

ASSUMPTIONS AND CONSTRAINTS

Data: Federal and State levels do have some existing guidelines for risk levels and priority assessments, but we will have to create a version of our own since they're not fleshed out (besides wildfires).

Time: We cannot go overboard - with our team 'staff', we have to stay realistic, and focus on functions first, followed by polish. If there's time after, we can then add features.

Ethics: Photo uploads and user privacy needs to be considered. How are the photos scanned when they're personal? How long are they stored, if they are at all? There are some things to think about, but that would be the extent.