

CAIC App and Website Improvements

Description

The CAIC website and mobile apps provide constantly updated backcountry avalanche forecasts for everyone in Colorado.

User Persona(s)

The different users for my project will probably diverge in two categories: their level of tech savviness, and their level of avalanche safety knowledge. However, we feel the following user persona will cover the majority of our users.

Kim, Backcountry Skier

Demographics

Age: 25-35

Income: \$42k-47k

Tech savviness: highly confident using all types of technology, but prefers to use her phone for most internet needs

Story

Kim is an experienced backcountry skier, and usually skis in the backcountry several times a month. She has completed a Level 1 Avalanche safety course, and has found mentors to ski with in the backcountry that help continue her avalanche safety education. She is articulate and communicative while skiing in the backcountry, often discussing potential dangers and hazards with her ski partners.

Situation

She is often enroute to the trailhead early in the morning, which is generally before the zone avalanche forecast is published for the day. She relies on using her phone to check the avalanche conditions for the day, and reading the user submitted avalanche observations is a critical part of her decision making process.

Motivations

She is motivated first and foremost by wanting to keep herself and her backcountry ski partners safe. She is also motivated by the quality of her experience on her backcountry tour i.e. she wants to ski good snow and have fun.

Pain Points

It is frustrating for her that she has to visit the CAIC website, which is not mobile responsive, to read the user submitted observations. She needs easier access to these observations in a format that is optimized for her mobile device.

Favorite Brands

Patagonia, Black Crows, DPS Skis, Scarpa, Prana, BCA, but really just whatever stuff actually works.

Quote

"Just because I went on a date with you last night, doesn't mean I'll ski with you today."

User Stories & Requirements

User Story #1

As a CAIC app user, I would like the option to see updates from actual user submitted avalanche observations.

- Create feature parity for the [user submitted avalanche observations](#) website feature within the app UI.
 - Ability to navigate to the User Submitted Avalanche Obs screen
 - View a list of submitted observation
 - Search and filter on the list of submitted observation
 - View details of a specific submitted observation
 - View uploaded media (photos, etc.) of submitted observation

User Story #2

As a CAIC app user I would like the ability to submit an avalanche observation using my mobile device.

- Create feature parity for the [user submission of observation](#) website feature within the app UI.
 - Ability to navigate to the avalanche observation submission screen
 - Fill out a form with details of the observed avalanche
 - Set the location of the observed avalanche
 - Select specific location (Lat/Long) on a map
 - Use location awareness to identify Lat/Long (?)
 - Upload media (photos, snowpit diagram(s), video)

User Story #3

As a CAIC app user I would like to be able to view User Submitted Avalanche Observations "near me".

- Same requirements as User Story #1, with the addition of the following in the "Search and filter on the list of submitted observation" workflow:
 - Select on a map specific location and/or use device location information
 - Set a range of distance from that location
 - Return a list of user submitted observations using the location/distance parameters