PROJECT PROPOSAL

Team number: 016-3

Team name: Software Skiers

Team members:
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Application Name: Powder Junkie

Application Description:

      Mountain rating platform. Our application allows skiers and snowboarders to rate and review mountains on factors like difficulty, snow quality, open trails, crowdedness, and more. It will recommend mountains in the area to users based on their ratings and weather forecasts, and will also allow users to search any mountain and view its page. Each ski resort will have its own page displaying its location, average rating, weather, and reviews.

Audience:

      Skiers and snowboarders who want to explore new mountains and new trails, to find the best resort to visit each day, and to share their experiences and opinions with the world. This app is perfect for newbies to the sport or to an area, as they can learn about the trails from real community reviews before they arrive so they can maximize their enjoyment, and for seasoned ski enthusiasts who seek out the best conditions and don't mind going the extra distance to find them.

Vision Statement

Powder Junkie is a ski resort review app that provides real-time, crowd-sourced updates on mountain conditions, lift lines, and terrain quality. Unlike traditional review platforms with static information, Powder Junkie ensures skiers and snowboarders make informed decisions on the go.

Version Control: https://github.com/AK8506/CSCI-3308-Project

Development Methodology:

We plan to use an agile methodology. We will utilize our scrum meetings to reallocate our resources as needed and to discuss any rescoping of the project (new ideas or cutting features). We will have an overall plan but use this time to adjust as circumstances change. We will use GitHub to keep track of bugs, features, and changes, and to create and review pull requests.

Communication Plan:

We plan on utilizing Discord as our primary communication channel. We are able to create different text channels for different aspects of the project which should help us efficiently organize the communication.
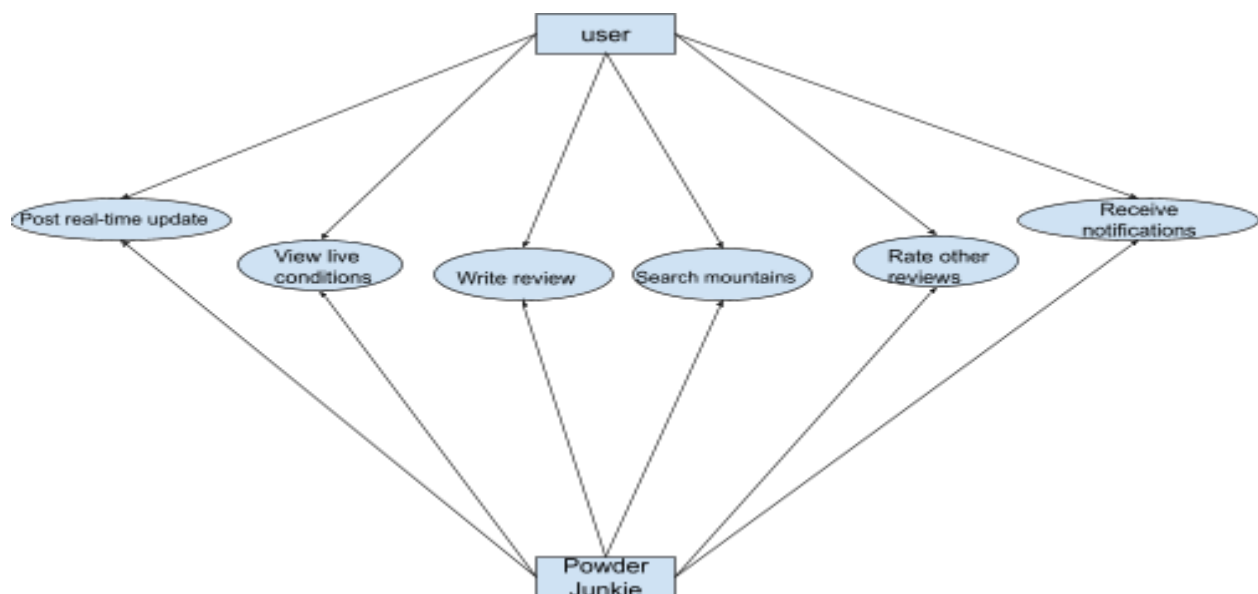
Meeting Plan:

Team meeting: Mondays 3:30 - 4 pm on Zoom
TA meeting: Mondays 4 - 4:15 pm on Zoom
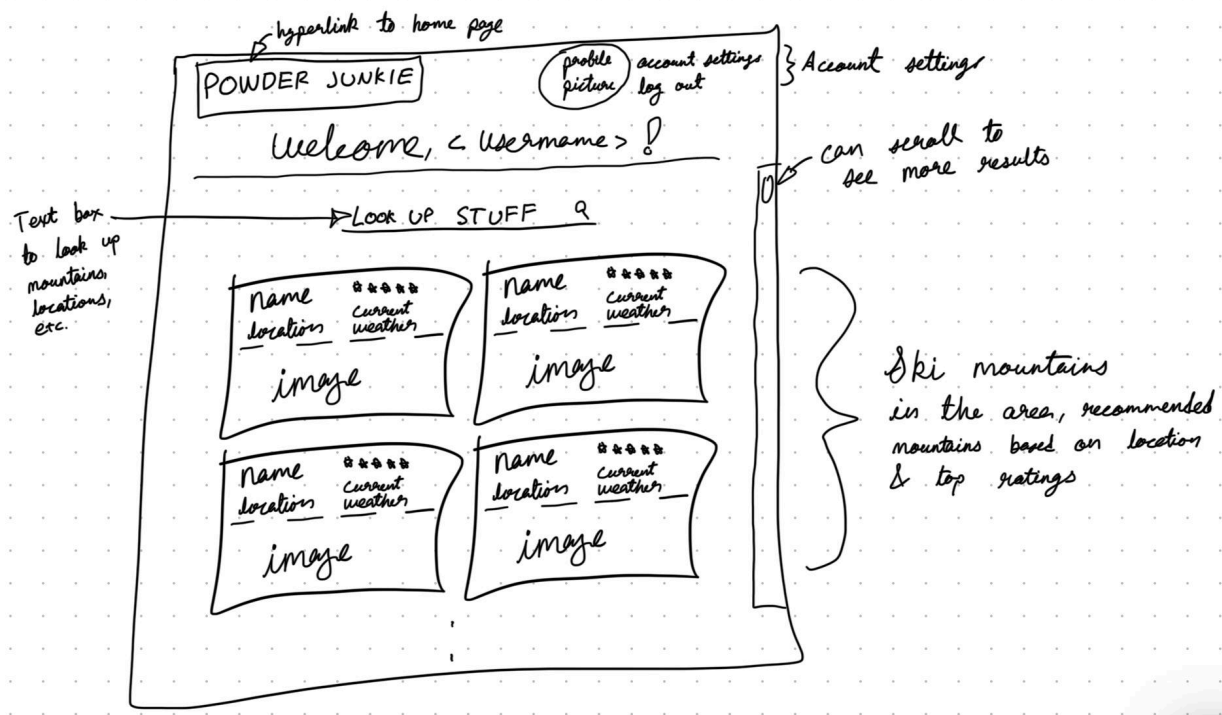https://www.when2meet.com/?29551579-VqltB

Use Case Diagram:

Wireframes:

Home: Nearby mountains, lookup option, general account information

Registration/Login page (logging out brings you to login page)

Powder Junkie   Register

Login

Username [   ]

Password [   ]

[Login]

No account
[Register]

Powder Junkie   Login

Register:

Email [   ]

Username [   ]

Password [   ]

☐ Agree to Terms and Conditions

[Create Account]

Per Mountain Page

Home)   (Profile) Username
                                    logout

Mountain Name
      Location

rating ← scroll down   Photo
                  to ratings
☆ ☆ ☆ ☆ ☆

Weather

Recent reviews
(Profile) username   ☆ ☆ ☆ ☆ ☆
      Review   text