

Team MacroHard (016-01)

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CSCI 3308 Software Development and Tools Course
University of Colorado Boulder
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LUMI

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OVERVIEW

As we approach the winter season, many people are waiting for Colorado to start snowing again. During this time, most people would begin to start snow sports activities, one of them being snowboarding and skiing. Though everyone is ambitious when it comes to these events, there are a lot of factors that we should consider in order to keep these activities safe for the general population and pros. With our application, everyone can find the perfect location to snowboard whether they are experienced veterans or just starting out.

VISION STATEMENT

“ To be the application that people rely on before doing any outdoor activities before, during, and after winter season”

DEVELOPMENT METHOD

Our development method will be technically agile while using the Kanban technique. This means most of our work will be placed on tables that are divided into 3 different sections (To Do, In Progress and Done). We would also check with ourselves if we have problem carrying our weight during the production process and will ask help from other group members if problems arise.

VERSION CONTROL

We will be utilizing GitHub in order to organize/control our versions of code.

<https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-016-01>

COMMUNICATION PLANS

Our communication will be done mostly through 2 different platforms; snapchat and discord. Our snapchat group will be used to discuss matters that are emergencies or sudden changes towards meetings. We prefer this over Discord since it notifies everyone in the group immediately if there are certain emergencies for us not being able to complete certain work or unable to attend meetings. We also use discord in order to have a much organized conversation and chat logs. This is because Discord servers allow users to create multiple group chats which then allows us to place codes, documents, links and announcements into organized placement.

MEETING PLANS

Daily Meetings:

- Monday's 4 PM - 5 PM (Face-to-face)
- Wednesday's 5:30 PM - 6:30 PM (Virtual Meeting)

TA Meeting:

- Wednesday's 12:30 PM - 12:45 PM

PROPOSED ARCHITECTURE PLAN

Front End:

HTML, CSS, JavaScript, Python

Back End:

JavaScript, Weather API, C++/Python

Database:

MySQL

Deployment/Integration:

Heroku, Docker

USE CASE DIAGRAM

