

## Team MacroHard (016-01)

Altay Uenal, Biswas Gauli, Freddy Perez, Thor Breece, Rayner Susanto, William Ruiz  
CSCI 3308 Software Development and Tools Course  
University of Colorado Boulder  
Boulder, CO, 80303

---

# LUMI - Project Milestone 2

29<sup>th</sup> September 2021

## PROJECT FEATURES LIST:

1. Creating recommendations for returning users with login information
2. Showing specific snow reports for each location
3. Showing a map of snow conditions throughout Colorado
4. Profile customization for registered users (personal information, ski experience, etc)
5. Latest reports / news of ski resorts

## REQUIREMENTS:

Feature / Epic:

1. User-friendly website design:
  - a. Setting up landing page with working navbars and tidy layouts (3)
  - b. Designing Login/Registration page for users (2)
  - c. Designing specific snow reports page (2)
  - d. Designing About us Page (2)
  - e. Making switchable display between maps and weather forecast table (4)
  - f. Displaying latest news and information of snow reports (4)
  - g. Deployment of website (3)
2. User Profile Features
  - a. Registering with survey (8)
  - b. Login to account (2)
  - c. Get Recommendations (5)
  - d. Implementing database to keep track of personal information (9)
  - e. Password recovery options (4)
  - f. Having users being able to have favorite lists of ski resorts (3)
3. Snow report and snow map
  - a. Implementing API of snow reports and maps onto website (8)
  - b. Creating a difficulty rating algorithm which then recommends to users (3)

- c. Connecting API results into Database for the website (5)

## PROJECT PLAN

Sprint Number	Dates	Tasks / User Stories
1	Oct 1 - Oct 15	Finish up website design / front end design of our website: <ul style="list-style-type: none"><li>- Landing page<ul style="list-style-type: none"><li>- Navbar</li><li>- Login/Registration button</li><li>- Website links</li></ul></li><li>- About us Page</li><li>- Specific location snow report page</li></ul>
2	Oct 18 - Nov 1	<ul style="list-style-type: none"><li>- Implementing API Towards our Website (Weather and Snowmap API)</li><li>- Connecting Database towards the website (Profile information, passwords, and recommendations)</li></ul>
3	Nov 4 - Nov 15	<ul style="list-style-type: none"><li>- Finish with recommendation algorithm for users</li><li>- Prepare deployment for website</li></ul>

## WIREFRAMES AND DESIGN:

## Landing Page:

LUMI	Home TripPlanning AboutUs	Login/Registration
<div>Welcome to LUMI We're here....</div> <div>Slogan</div> <div>Image of snow</div>		
Snow Reports Today:		
<div>Most Fresh Snow</div>	<div>Most Famous Ski Resort Report</div>	<div>Recent News</div>
<div>Snow Report Table / Map</div>		
Footer		

Specific Ski Resort News Page:

LUMI	Home TripPlanning AboutUs	Login Registration
------	---------------------------	--------------------

Title of 

Rayner Susanto

 / Location

Contact Info / Website Link

Stock Image

Forecast on Ski Resort Name:

Weather Forecast  
Table / Snow Map

Snow Information

Latest News

Footer

## Login / Registration Page:

LUMI	Home TripPlanning AboutUs	Login Registration
<div style="border: 1px solid black; width: 60%; margin: 20px auto; padding: 40px 20px; text-align: center;">REGISTRATION Use from Lab 4</div>		
Footer		

## INDIVIDUAL CONTRIBUTIONS

**Altay Uenal** →

**Biswas Gauli** → Recommendation algo, Website designing, Deployment and Testing

**Freddy Perez** →

**William Ruiz** →

**Thor Breece** → Created Jira Epics and to-dos, researched various weather APIs, will do: Data organization / visualization, reading API documentation and implementing APIs, deployment, etc.

**Rayner Susanto** → Created the wireframe design for landing page, registration/login page, and Specific ski resorts page.