

# Slope Search

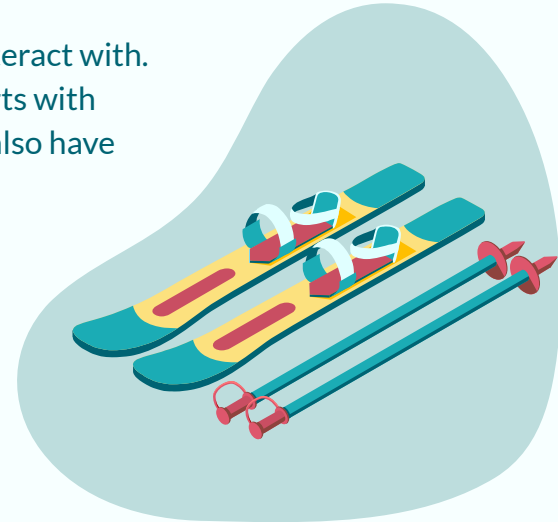
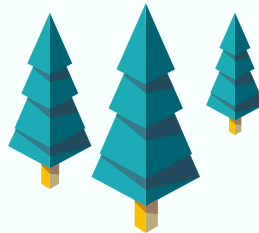
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# Purpose of Our Website

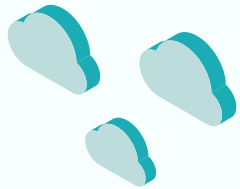
Our application, Slope Search, will be a multipurpose ski information website. It will have both a registration and login page so that users can have their own accounts. Once logged in, the home page will offer multiple options to the user for information about ski resorts in Colorado.

The ski resorts will be backed by a database that the user can interact with. They will be able to see pre-existing information about the resorts with relevant data like elevation and annual snowfall. Users will also have the option to create a profile.



# Tools used in development

<b>Project Tracker</b>	GitHub Project Board	
<b>VCS Repository</b>	GitHub	
<b>Database</b>	PostgreSQL	
<b>IDE</b>	VSCode	
<b>UI Tools</b>	CSS, HTML, Bootstrap	
<b>Application Server</b>	NodeJS	
<b>Deployment environment</b>	Localhost via Docker	
<b>Framework</b>	Node.js	
<b>Additional Tools</b>	Discord, pencil/paper	



# Tools and Methodology

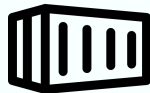
- Most of the tools used had excellent functionality.
- GitHub project board felt underutilized. (Rating: 2)
- We substituted it with discord and had most of our discussions there. (Rating: 5)
- GitHub in general was excellent though and we could easily maintain our code. (Rating: 5)
- VSCode was also really helpful in syncing all our code together. (Rating: 4)
- Docker was very useful as we could deploy the same code from any system. (Rating: 5)
- HTML, CSS, Bootstrap and EJS were all interconnected and decent to use. (Rating: 3)
- JavaScript and NodeJS were obviously very important and were fun to use. (Rating: 4)



# Architecture Diagram



HTML



Docker



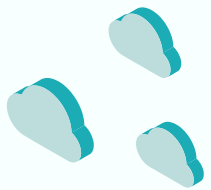
Localhost



SQL Database

Javascript





# Challenges



- Docker functionality
- Search for an external API
- Formatting resort cards on the home page
- Review modal functionality
- Login/register functionality






# Flow of Slope Search



How the user will interact with our website:

<b>Home Page</b>	Provides a landing page and lists the resorts
<b>About</b>	Describes the user experience and functionality for the site
<b>Register</b>	Allows the user to register an account on Slope Search
<b>Login</b>	Allows the user to use their credentials to log in to their account
<b>Resort Page</b>	Lists information about the selected resort
<b>Profile Page</b>	When logged in, displays the information about the user's profile
<b>Logout</b>	While logged in, the user automatically logs outs





# Features

01

## Dynamic Menu Bar

Displays relevant information based on the login status of the user session

02

## Detailed Information

The user can find generally useful information about a resort

03

## User Account

Allows the user to login

04

## About Page

Describes the reason for the website and its functionality

