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**Deliverable 0**  
**Report: Project Description and Mock-up Design**

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# SkiSmart: The Ultimate Ski Resort Finder

## Description

SkiSmart is an application designed for ski enthusiasts looking for the perfect skiing destination. It offers users tailored resort recommendations based on location, date and distance preferences.

## Key Features

1. **Personalized Search:** Users can input their postal code or city, select their desired skiing date, and adjust their preferred search radius for resort recommendations.
2. **Comprehensive Resort Details:** Each ski resort listing provides users with essential details, from weather forecasts, basic information about the resort and user reviews.
3. **Interactive Map View:** An integrated map view allows users to visually explore resorts in relation to their location.
4. **User Profiles:** Skiers can create profiles to save favourite resorts, access past searches, and customize app settings.
5. **Algorithmic Resort Rating:** Resorts are rated based on current weather conditions (temperature, wind conditions), snow quality (fresh snowfall, snow depth), and user reviews, ensuring skiers find the best conditions for their trip.

## Project Objective

To create a user-centric platform that simplifies finding the best ski resorts based on real-time conditions and user preferences, fostering a vibrant community of skiing enthusiasts.

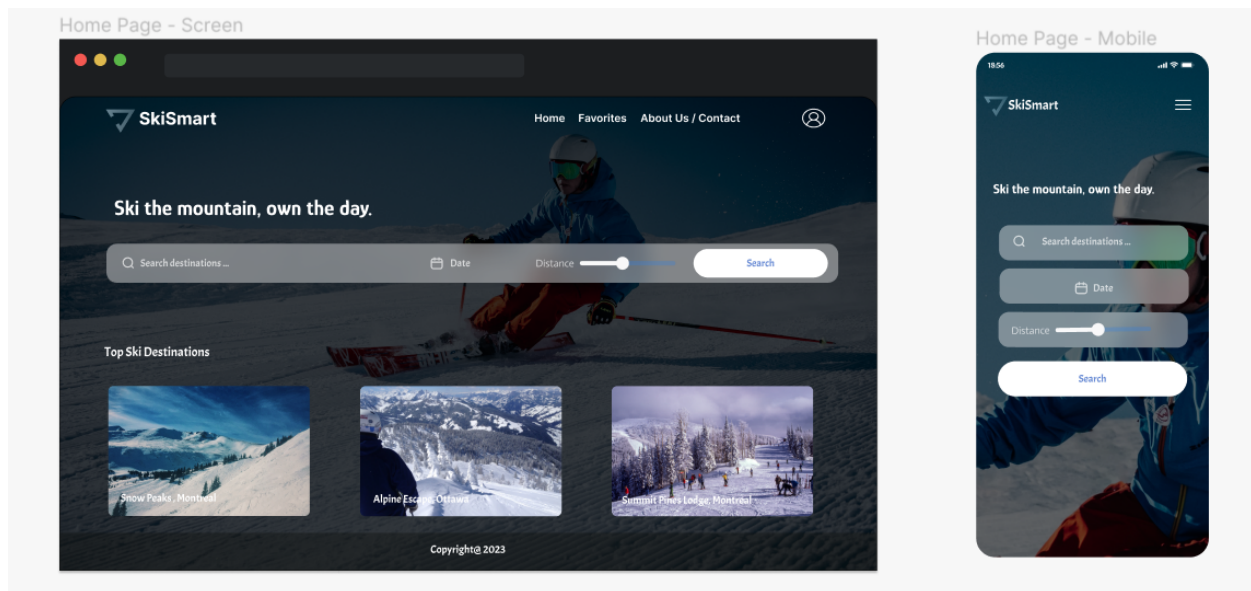
## Chosen Database

After careful consideration, we've chosen MongoDB as the database for SkiSmart. MongoDB's flexible schema design, scalability, and geospatial query support align well with our project's dynamic data needs and location-based features. It offers real-time data handling and a developer-friendly JSON-like document format. However, we must ensure proper data modelling and address the potential learning curve for team members new to NoSQL databases.

## Mock-up Design

### 1. Home Page:

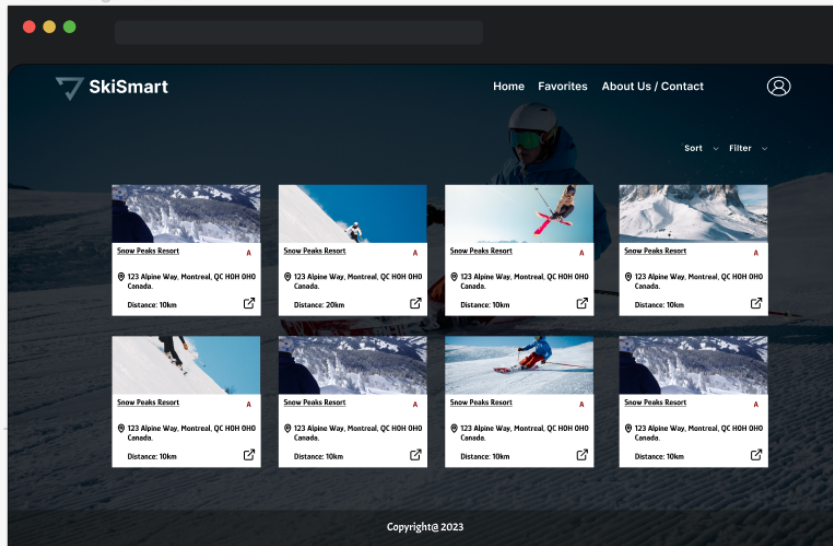
- **Logo and App Name**
- **Navigation Bar**
- **Search Bar:** Allows users to enter their postal code
- **Date Selector:** Choose the desired skiing date
- **Distance Slider:** Adjust the search radius (Km, Miles)



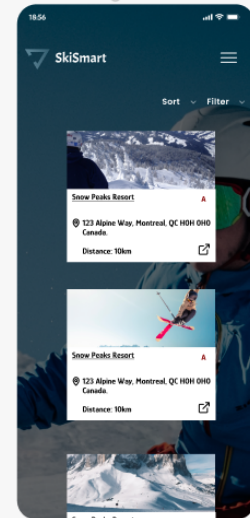
### 2. Results Page:

- **List of Ski Resorts:** Displayed based on the algorithm's rating. Each Resort can have:
  - Thumbnail Image
  - Name of ski resort (we can provide link)
  - Distance from the user's location
  - Algorithmic rating (e.g. star rating, score out of 10)
- **Filter and Sort Options:** Allow users to refine results. For instance, sort by highest rated or nearest by location.

Results Page - Screen



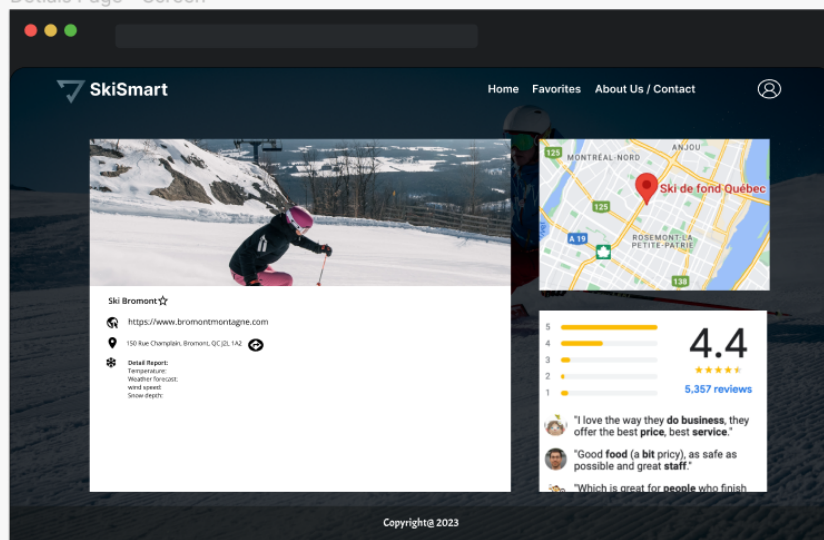
Results Page - Mobile



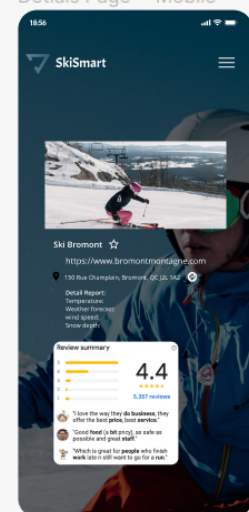
### 3. Resort Details Page:

- **Carousel of Resort Images:** Showcase the beauty of the resort.
- **Detailed Weather Report:** Current conditions, forecast, wind speed, etc.
- **User Reviews:** Display ratings and feedback from other skiers.
- **Contact and Booking:** Provide a link to the ski resort.

Details Page - Screen

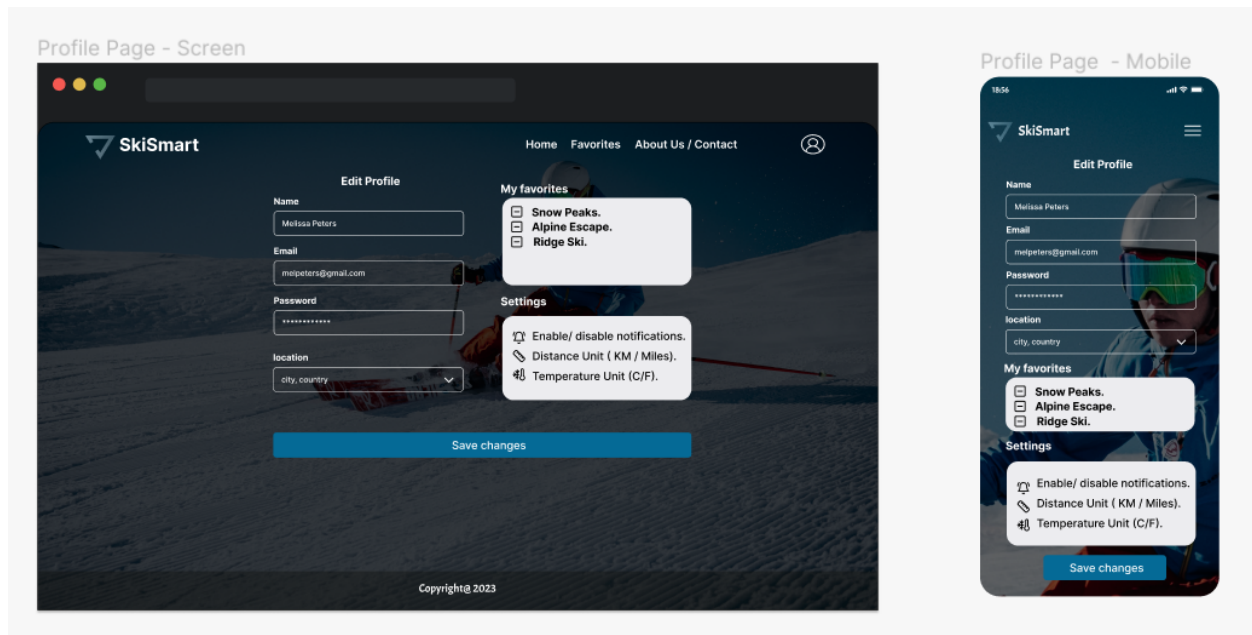


Details Page - Mobile



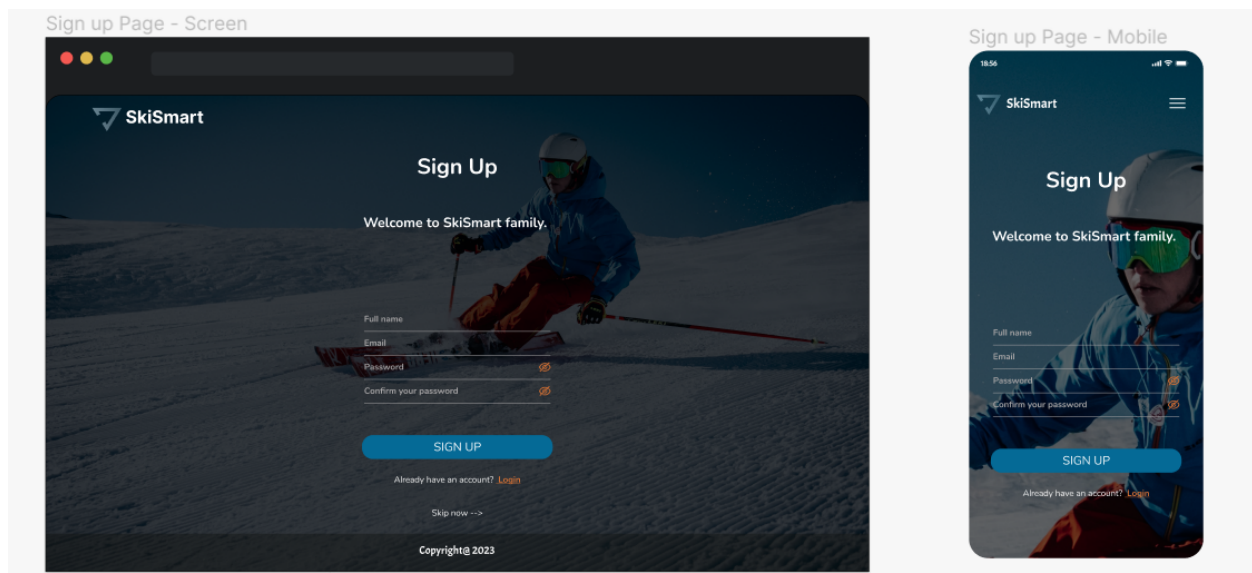
#### 4. User Profile & Settings:

- **User Info:** Display name and email.
- **Saved Resorts:** List of favourite or saved resorts for easy access.
- **App Settings:** Distance unit (km/miles), temperature unit (Celsius/Fahrenheit), etc.

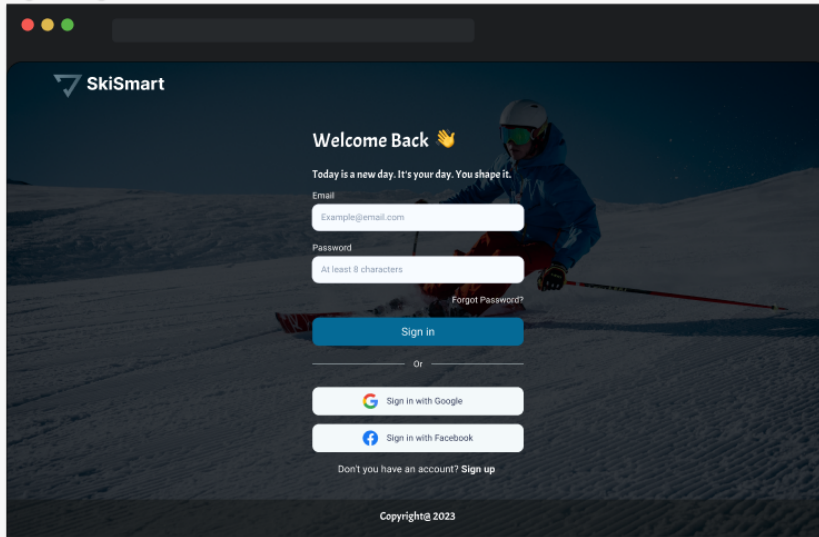


#### 5. Sign up/Log in Page:

- **User Info:** name, email, and postal code (city).



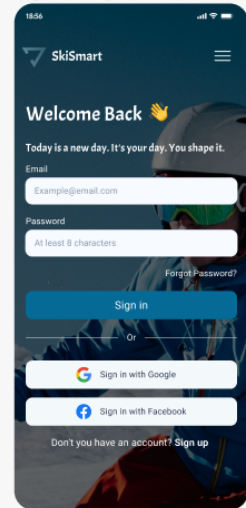
Sign in Page - Screen



The desktop version of the sign-in page features a dark background with a skier in a blue jacket and red pants. The layout is centered and includes the following elements:

- Header:** SkiSmart logo in the top left corner.
- Greeting:** "Welcome Back 🙌" in white text.
- Message:** "Today is a new day. It's your day. You shape it." in small white text.
- Form Fields:**
  - Email:** A white input field with the placeholder "Example@email.com".
  - Password:** A white input field with the placeholder "At least 8 characters".
- Links:** A "Forgot Password?" link in small white text to the right of the password field.
- Buttons:** A large blue "Sign in" button.
- Separator:** A horizontal line with the word "Or" in the center.
- Social Login:** Two buttons: "Sign in with Google" (with the Google logo) and "Sign in with Facebook" (with the Facebook logo).
- Footer:** "Don't you have an account? Sign up" in small white text.
- Copyright:** "Copyright © 2023" in small white text at the bottom center.

Sign in Page - Mobile



The mobile version of the sign-in page is designed for a smaller screen and includes the following elements:

- Header:** SkiSmart logo in the top left corner and a hamburger menu icon in the top right corner.
- Greeting:** "Welcome Back 🙌" in white text.
- Message:** "Today is a new day. It's your day. You shape it." in small white text.
- Form Fields:**
  - Email:** A white input field with the placeholder "Example@email.com".
  - Password:** A white input field with the placeholder "At least 8 characters".
- Links:** A "Forgot Password?" link in small white text to the right of the password field.
- Buttons:** A large blue "Sign in" button.
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