

# Skiing Zermatt

## Cartography III Project

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Geomatic MSc  
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To start with



Smart Phone  
(Gaming)



Sports  
(hiking)



Photography



Traveling



Eating

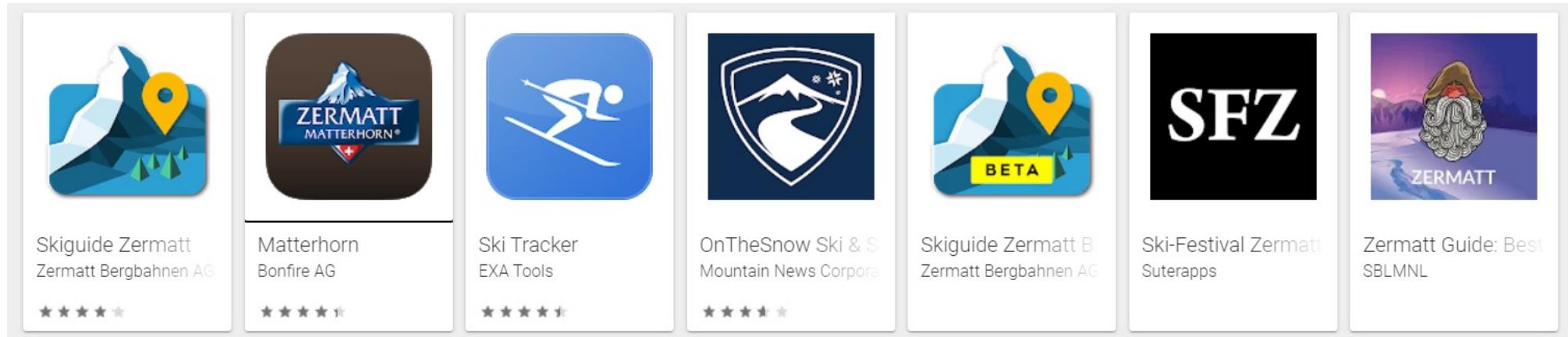


Sleeping



# What

- **Skiing** is popular in Switzerland during winter.
- Zermatt is a good place for skiing
- Current skiing apps only meet general needs(e.g. Skiguide Zermatt, iSKI Swiss, Matterhorn)



# User persona



Mike

19 years old, lives in Zurich

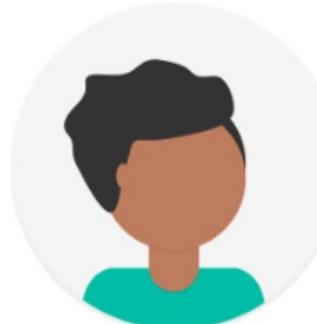
- I used to go skiing with parents.
- This year I go with **friends**.
- I would like to challenge some **exciting tracks with few people on it**.
- I would also like to know where is the best **place to have Instagram photo**.



Nadia

14 years old, lives in Munich

- I go skiing with my family.
- I want to have an **overview** of **ski routs and cableway stations**.
- We would like to find some **popular sights and rest areas**.



Sean

18 years old, lives in London

- I come to Switzerland for traveling.
- I'm staying here for 14 days.
- I'm a novice skier and I'd like to get to reach **all the easy but beautiful tracks**.

# Special Needs

1. Mike, 16 years old, lives in Zurich.



I used to go skiing with parents.  
This year I go with high **school friends**.  
I would like to challenge some **exciting tracks** with **few people** on it.  
I would also like to know where is the best **place to have Instagram photo**.

2. Nadia, 14 years old, lives in Munich.



I go skiing with my family.  
I want to have an over view of **ski routs** and **cableway stations**.  
We would like to find some **popular sights** and **rest areas**.

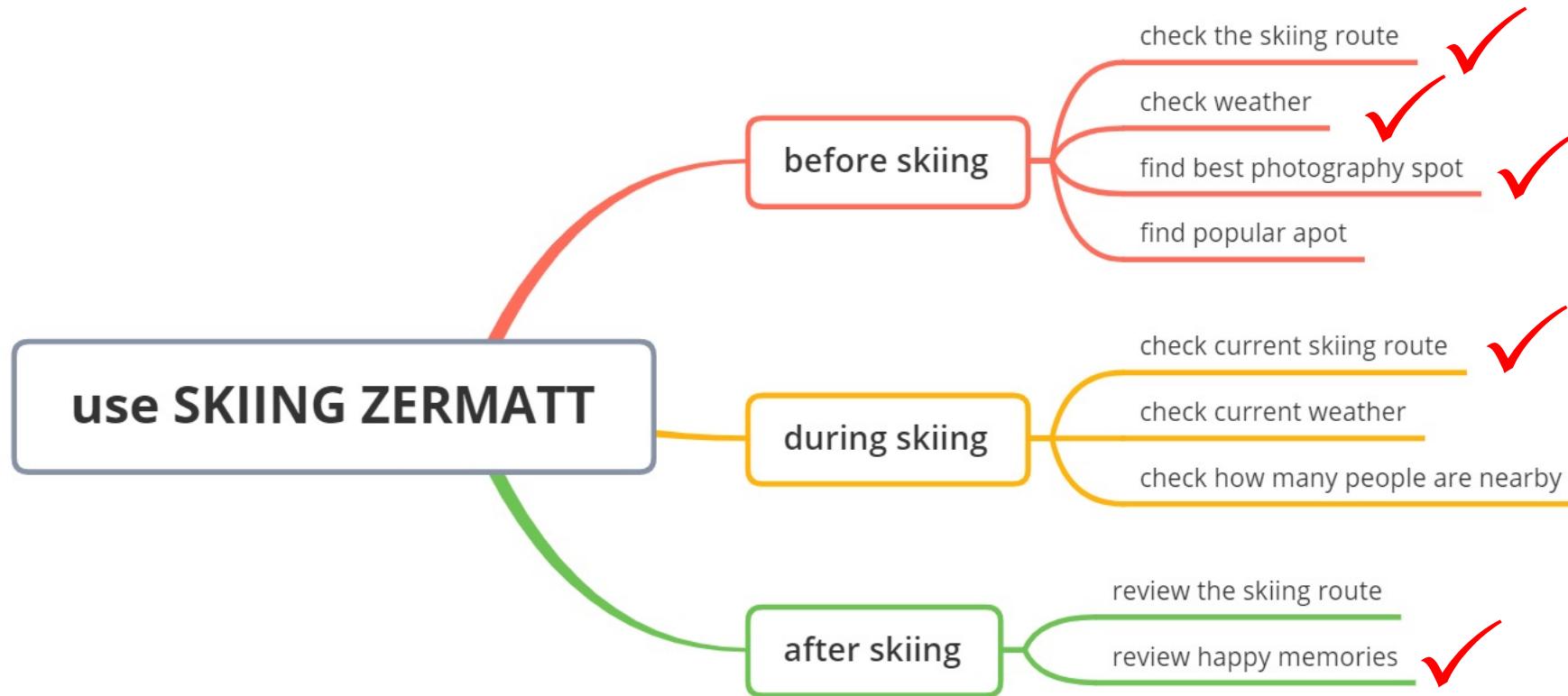
3. Sean, 18 years old, lives in London.



I come to Switzerland for skiing.  
I'm staying here for 14 days.  
I'm a novice skier and I'd like to get to reach **all** the **easy** but **beautiful tracks**.

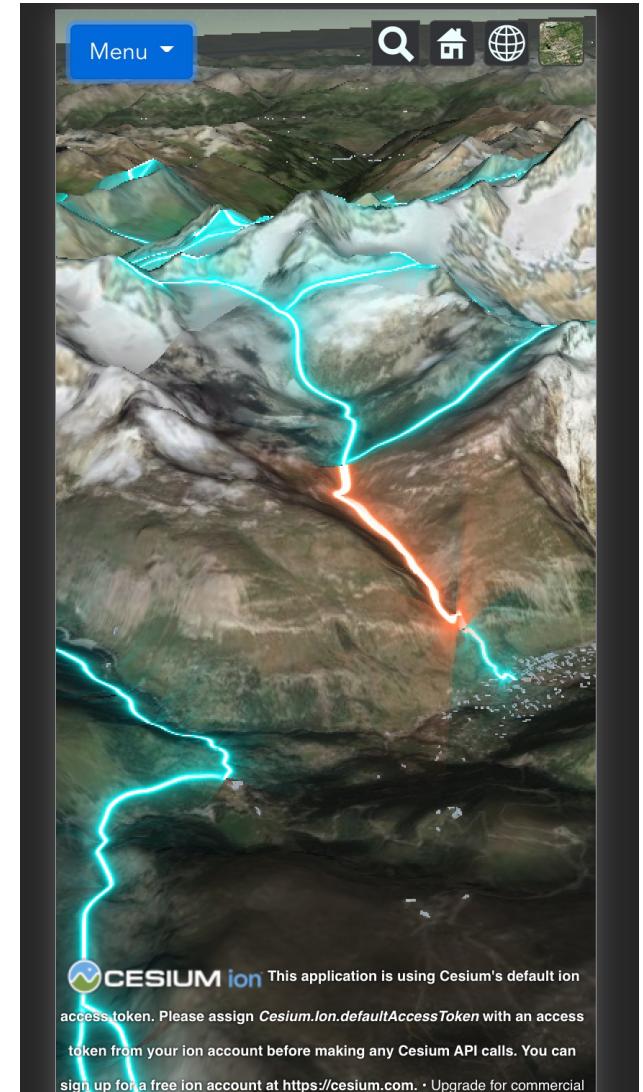
- **Fancy design & color**
- **Ski route overview**
- **Ski route difficulty**
- **Photography spot**
- **Popularity**
- **Weather**
- **Mobile end availability**

# Usage Analyzation



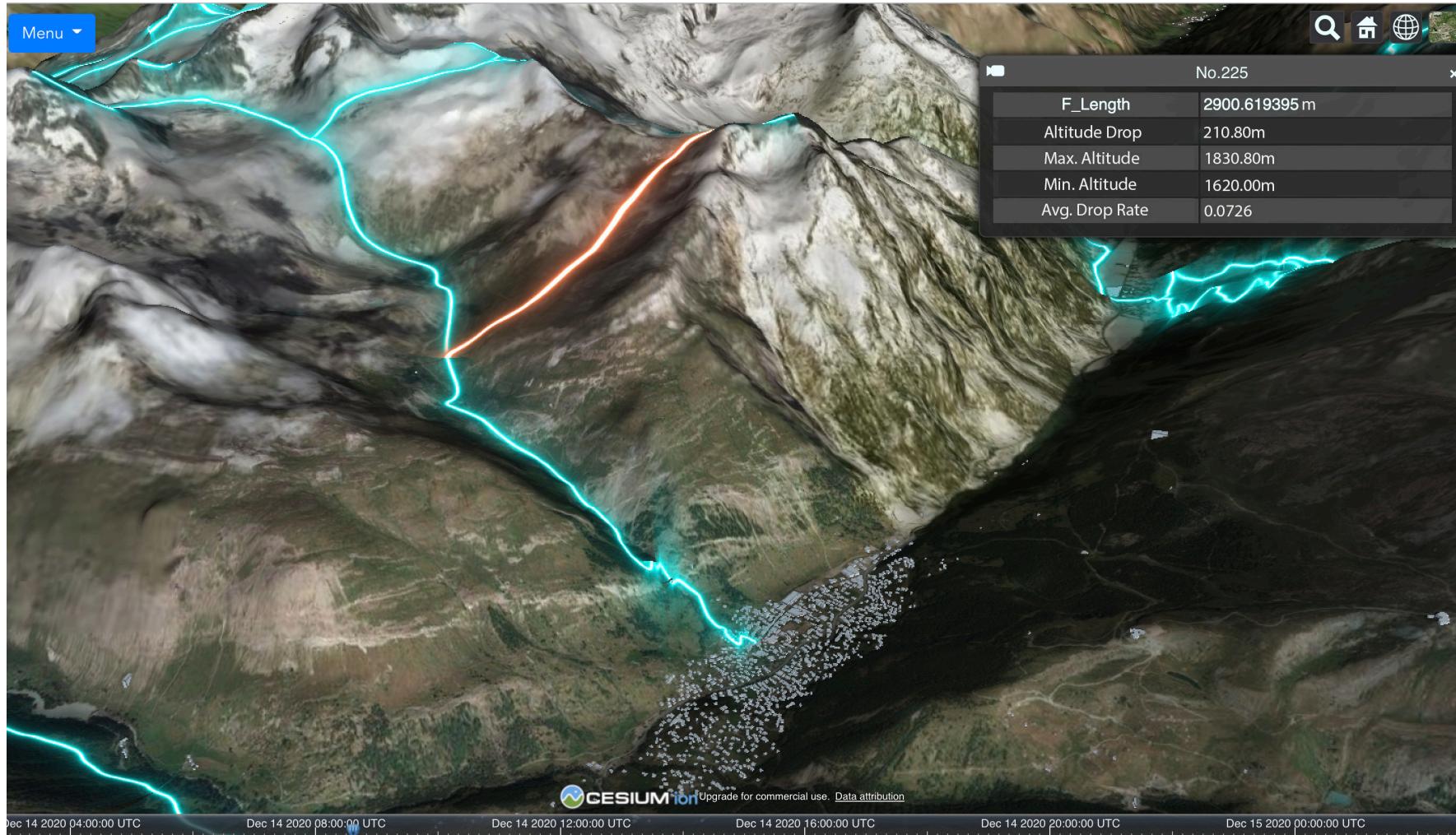
# Key points

1. 3D eye-catching base map, fancy design.
2. Simple & easy interactions.
3. Convey information clearly
  1. track overview
  2. photography points
  3. weather
  4. popularity (✗)
4. Compatibility on both PC end and mobile end.



# UI and Function Design

## Ski route overview



- Route overview
- Route properties calculation
  - Route length
  - Altitude drop
  - Max, min altitude
  - Average drop rate
- Animation

(design)

# UI and Function Design Photography Spot



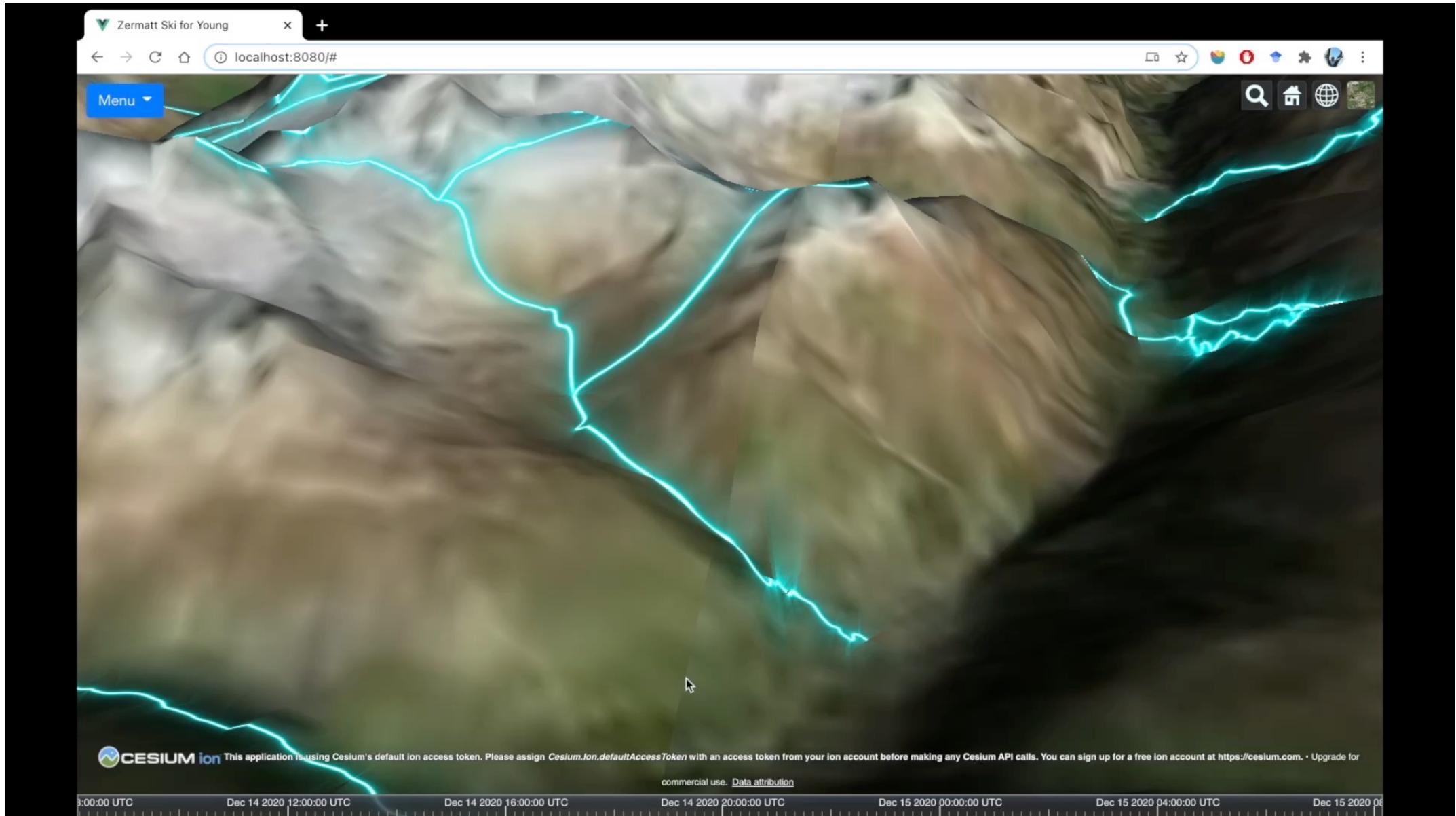
# UI and Function Design

## Weather



- Weather information  
([OpenWeatherMap](#),  
[www.mountain-forecast.com](#))
- Real-time lighting

# Demo



**Thank you for listening**