MobOp Projekt: Ski-Compass

# Value

## User

* The user finds nearby ski-resorts very fast.
* The list is sorted by the user’s preferences: snow conditions or weather for example.
* User can start the navigation directly over the app and therefore finds the resort fast.

## Stakeholder

* Adds (wintersports-utilities, clothes, etc)
* Ski-resorts can make themselves more popular

# Use Cases

## First-Time use

* Max Muster wants to go skiing this weekend. He and his friends always go to the same resort, and it’s getting boring. So, he decides to find a new skiresort this time. He searches the android-store and finds «ski-compass». The app shows him the nearby resorts and hes also able to sort them by his preferences. Because he doesn’t like it to cold, he sorts by weather-conditions. Since he doesn’t know where to find the location, he starts navigation directly in-App.

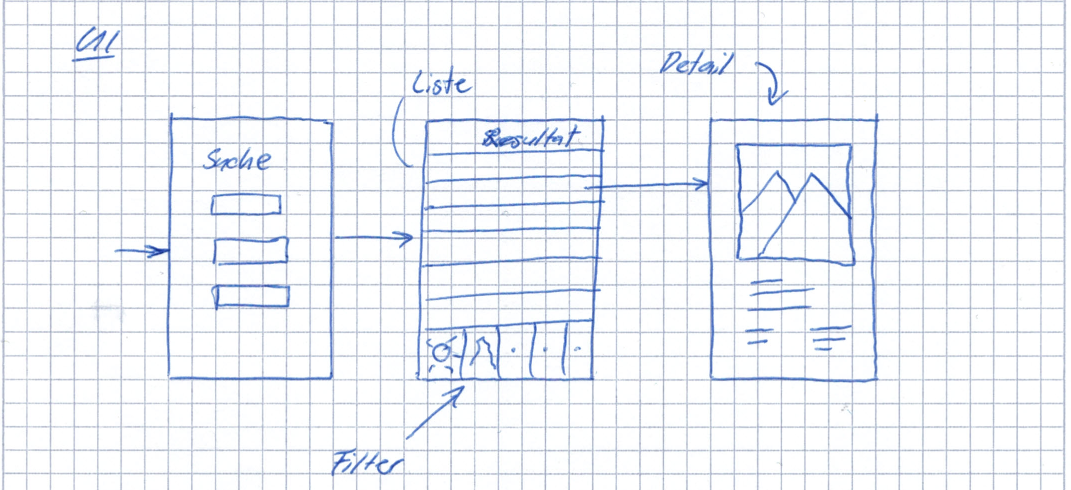
## Frequent use

* Max wants to go skiing with some friends. He wants to have nice powder-snow. He remembers the «ski-compass» app and its functionality to sort by certain conditions. After he started the app, he sorts the list by snow-conditions, selects a resort and starts navigation.

## Emergency use

* Max is on the way to go skiing with his friends. On the highway the hear in the radio, that the ski-resort they’re planning to go to has a power failure. They need to find a near resort which is working properly soon, because the want to go skiing as long as possible. Max starts the app and gets the nearest resort fast, and starts navigation.

# User Interface



## Data Flow

get resort location-data

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Ski-Resort Location API  
skimap.org

Ski-Resort Watherdata API  
openweathermap.org

resort weather data

get resort weather-data

Maintenance Application  
(later maybe over firebase-functions)

get testdata from DB

update DB

ski-resort list

get near ski-resorts

Firebase

Realtime DB

Ski-Compass

Android-APP