

## **Home Assignment 1**

### **1. A short description of the project itself**

Our overall scope of the project is to create an end-to-end community for surfer's worldwide. This includes an interactive world map containing surf spots which combined with different filters depending on your surf level, weather, and location will show/recommend potential destinations. Additionally, the site will contain a surfer's forum and blog about destinations, a rating system based on the surfers' previous experiences, and will show others who are surfing in the same area as you. As part of the community we want to create a marketplace for selling and purchasing surfing equipment.

Together this will be a page where you can access all the information you need for your next surf trip. When you decide on a spot, the website will recommend local accommodation and flights that are surfer friendly. Hence, carriers that have the best prices when you are bringing your board along.

### **2. A feature-list of the project**

The user should be able to create an account listing personal information, preferences and level. With the user's created account there should also be a login function which enables the user to enter the community, and the login should be able to verify whether the user is registered or not, and thus verify the login information.

When a user creates an account, he or she will be able to access and contribute to a forum where the users can create different threads based on a surf-related topic. The forum is connected to an admin user which also works as a moderator of the debate as we do not want any inappropriate posts or comments.

Also, the user should be able to click on the interactive map getting the name, pictures of chosen spots and required level, so that the user knows whether to choose the spot or not. In addition to this, there should be three filters available in the top of the page. The available filters will be "level", "break type" and "continent". Based on this the number of spots available in the catalogue should be narrowed down, so that it is easy to choose the right destination for that exact user. When the user has found the right spot, they should be able to add it to "My Bucket List", where the users can check other surfers' preferences and experiences as well.

The users in the community will also be able to rate every destination on a scale from 1-5 stars, so that the members of the community can help each other evaluate the spots.

The marketplace will allow sellers to post used items they want to sell and showcase to potential buyers. The buyers will have features enabling them to comment, submit bids, and rate sellers.

When you choose a destination, an affiliate/referral system will recommend flights and accommodation in that area at the bottom of the page. This system will prioritize and recommend ‘these three airlines are the best’ if you want to bring your own surfboard etc.

### 3. An initial class diagram of the entire project

