

UAS Software Development Project 1

Karhusauna

Software Requirement Specification

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1. Introduction

1.1 Product Overview

This is a demo version of a web-page for small sauna business called “Karhusauna”. Our goal is to provide our client the management of the members and the client’s customers membership. This membership will allow the customers to reserve and pay for a service online at any time through simple registration. We will also assist our main client – the business’s owner – helping to manage their clients and their resources with fully functioning scheduling and updating tools. In short, our creation will be a successful system equipped with flexible databases to fulfill the business using our web service, appealing user interface with smart features to ensure their customers will have the best, most convenient experience.

1.1.1 Key Product Features

The most important features of this product are:

- Complete web-page with interactive buttons that lead to personal tabs.
- Multilingual support.
- Registration and signing in.
- Account management.
- Members and resources management for the main client.
- Functioning and secure database.

1.2 Operating Environment

We are going to use the following programs:

- Photoshop
- IntelliJ
- Sublime text
- GitHub
- MAMP
- Linux system with Apache, MySQL
- Bootstrap framework

1.3 Reference Material

Reference material that will be used:

- Youtube videos
- Google
- W3schools
- naturalprogramming.com

2. Functional Requirements

2.1 Complete webpage

The webpage includes a description about the client’s business and access for the customers of the business owner to the website for their own usage within their account’s restrictions.

2.1.1 Registration and signing in

Potential customers can send a registration to the business. An automatic confirmation email will be sent

out for the customers and from this point onward, he/she can login and logout the website at any time.

2.1.2 Account management

With the registration completed, the customers are now fully benefited from the services. They can load money to their account to purchase a membership of choice and reserve a special location they desire. They can update their information but unable to remove their own account. There will be a resignation button for the customers to inform the administrator and a confirmation will be sent out once the process is completed.

2.1.3 Reservation system

The customers are also allowed to reserve a special location for a private period of time. They can easily get a booking from their own account by choosing available time slot from the schedule of the locations. The transaction will be taken from their already existed balance or as a new payment. As soon as the payment is received, they will have the reservation displayed on their home page. And because the system are linked together, the business owner will be able to view this reservation and many others with full detailed of his/her customers. If the customers want to cancel their reservations, they can send a request to the owner and the refund will be loaded back to their balance.

2.1.4 Administration

Our main client will be provided with ultimate authority and full control of the web-page system including their customers databases(the right to add, update and remove any customer) and their resources(reservation schedule, remove reservations and status checking).

3. Non-Functional Requirements

As the business is created in the international environment, we equip the webpage with multilingual tools and reservation availabilities.

3.1 Multilingual options

We provide the webpage in three languages – which are English, Finnish and Spanish for the users to choose at their leisure. The default language when open is English, from there, the users can pick their most comfortable language and work with it throughout.

3.2 Reservation availabilities

Special locations are opened to the customers for private sessions. This creates limits over the reservation system. Once the location has been reserved in all the time slots, no more reservations can be accepted. The admin can modify this time slot.