PROGETTO ISPW

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DIVERS WORLD

1. Software Requirement Specification

1.1   Aim of the document:

This document aims to illustrate the steps to realize the software Divers World.

The software manages the rent of the scuba equipment. Further, the software provides different types of users, scuba divers, free divers and diving managers.

1.2   Overview of the defined system:

This system was created to unite diving and divers. With this application, the users can register themselves, compiling a form in which they must write their personal information, such as name, lastname and license number. They also have to choose between three types of users: scuba divers, free divers and diving managers.

Each category has a distinct homepage with a series of specific options.

A user registered as a scuba diver can access the equipment rental service. Starting this procedure, they can choose where to rent things, selecting type, size and quantity.

They can check their shopping cart when they want and then send the order.

Instead, the user registered as a manager can manage their diving, add equipment and accept or deny rental requests.

1.3   HW and SW requirements

Divers World can run on Windows, MacOS and Unix-like systems, in order to do this the relative database have to be installed.

Hardware requirements are from Intellij minimum requirements.

1.4   Related system, pros and cons

Divers world advantages: a diver has the convenience of keeping contact with numerous divings worldwide and keeping their log book updated.

Divers world disadvantages: the review of the experience whit the diving and with the app aren't allowed at the moment.

2. User Stories

- As a scuba diver, I want to rent equipment, so I can easily leave mine at home.
- As a scuba diver, I want the list of all diving, so I can choose one.
- As a scuba diver, I want to see the summary of my order, so I can remember what I rented.
- As a diving manager, I want to add new diving, so I can expand my business.
- As a diving manager, I want to add new equipment, so I can offer various products.
- As a diving manager, I want to check the orders, so I can manage requests by accepting or declining them.

3. Functional Requirements

- The system shall provide notification of rental by email.

- The system shall provide a login using email and password.
- The system shall provide a registration using your name, surname, license number, email and diver type.
- The system shall show the list of the available equipment for a chosen diving, showing prices and sizes.
- The system shall display the complete list of the diving connected to the application.
- The system shall display the rental summary for each registered user.

4. Use Cases: Overview Diagram