**Software Requirements Specification for**

**Gym Management Web App**

**Version 1.0**

**Members: Tabacu Bianca Oana, Pirlac Mihai Cristian, Tudor Andrei Catalin, Vieru Bogdan**

**March 9, 2020**

**Table of Contents**

1. **Introduction** 
   1. **Purpose**
   2. **Product Scope**
   3. **Intended Audience and Reading Suggestions**
   4. **Definitions, acronyms, and abbreviations**
   5. **References**
2. **Overall Description** 
   1. **Product Perspective**
   2. **Product Function**
   3. **User Classes and Characteristics**
   4. **Operating Environment**
   5. **Design and Implementation Constraints**
   6. **User Documentation**
   7. **Assumptions and Dependencies**
3. **External Interface Requirements** 
   1. **User Interfaces**
   2. **Hardware Interfaces**
   3. **Software Interfaces**
   4. **Communications Interfaces**
4. **System Features** 
   1. **Account Login**
   2. **Account Logout**
   3. **Admin Add Member**
   4. **Admin Edit Member**
   5. **Admin Add Invoice**
   6. **Admin Generate Reports**
   7. **Admin Add Pool**
5. **Other Non-functional Requirements** 
   1. **Performance Requirements**
   2. **Safety Requirements**
   3. **Security Requirements**
   4. **Software Quality Attributes**
   5. **Business Rules**
6. **Other Requirements**

**1.Introduction**

**1.1 Purpose**

* 1. **Product Scope**

## Intended Audience and Reading Suggestions

* 1. **Definitions, acronyms, and abbreviations**

**1.5 References**

**2. Overall Description**

**2.1 Product Perspective**

The “Aplicatie web cu baza de date pentru membrii unei sali de fitness” is a virtually self-contained managing system; however, it will require users to have access to a web browser on their workstation computer. This means that the users of the system do not need to invest in any other software to get the most out of this software system.

**2.2 Product Function**

* **Login**
* **User/client interface**
* **Administrator interface**
* **Book a class**
* **Apply for a job**
* **Track client’s progress by introducing data(i.e : weight, height, workout informations)**

**2.3 User Classes and Characteristics**

The application users will be company employees which will have administrator privileges and members which will have regular member accounts.

**2.4 Operating Environment**

As mentioned before the app will require users to have access to a web browser on their workstation computer like Google Chrome or any other modern browser.

**2.5 Design and Implementation Constraints**

Creating a user interface which is both effective and easily navigable will pose a difficult challenge. Other constraints such as a weak web-host and slow internet browsers (“Internet Explorer”) are also worth considering. Our app is meant to be quick and responsive, even when dealing with large groups and transactions, so each feature must be designed and implemented with efficiency in mind.

Backend language: C#

Frontend: HTML, CSS, Typescript

Framework: ASP.NET Core

**2.6 User Documentation**

NA

**2.7 Assumptions and Dependencies**

The web application assumes that the user has a computer with an Internet connection and a web browser to access the app. The system may not behave correctly when used with internet browsers other than Firefox and Google Chrome.

**3. External Interface Requirements**

**3.1 User Interfaces**

**3.2 Hardware Interfaces**

**3.3 Software Interfaces**

**3.4 Communications Interfaces**

**4. System Features**

**4.1 Account Login**

**4.2 Account Logout**

**4.3 Admin Add Member**

**4.4 Admin Edit User**

**4.5 Admin Generate Reports**

**4.6 Admin Create Pool**

**5. Other Nonfunctional Requirements**

**5.1 Performance Requirements**

**5.2 Safety Requirements**

.

**5.3 Security Requirements**

**5.4 Software Quality Attributes**