**Software Requirements Specification for**

**“Informatic distributed system for managing the activities of an association of tenants”**

**Version 1.0**

**Prepared by Calina Florin, Marcu Andrei, Matei Alexandru, Tolgoi Dragos**

**March 8, 2020**

**Table of Contents**

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

**1.Introduction**

**1.1 Purpose**

This document describes the requirements for handling the activities of an association of tenants. The system will have a user interface, a database server which will store information about the activity of the association application server.

* **1.2 Product Scope**

This software system will be a web application for an association of tenants. This system will be designed to ease the administrators’ management activities and also help the tenants to easily have access to all their invoices, see how much they have to pay, see their overdue invoices and anything related to their building services.

* **1.3 Intended Audience and Reading Suggestions**

This document is for developers, project managers and users.

In the first chapter you will find the purpose and references used to make product.

In the subchapter 2.2 are enumerate the functions realized by the product and o short description of each function, information about the components of each class (tenants, administrator, employees of administration etc.). The attribute and operations of each are presented in subchapter 2.3 through an image.

Chapter 4 describes the functional requirements.

* **1.4 Definitions, acronyms, and abbreviations**

|  |  |  |  |
| --- | --- | --- | --- |
| Definitions | | | |
| 1. | | Administrator | An entity providing the services for tenants and providing some sort of service level agreement. |
| 2. | | Tenants(users) | Someone who consumes the services offered by the administrator. Also accepts the service level agreement with the administrators. |
| 3. | | Service | A means of delivering value to tenants. |
| 4. | | Language | English |
| 5. | | Font | Arial |
| 6. | Dimension | | 11 |

|  |  |  |
| --- | --- | --- |
| Acronyms | | |
| 1. | - | - |
| 2. | - | - |
| 3. | - | - |

|  |  |  |
| --- | --- | --- |
| Abbreviations | | |
| 1. | DESC | Description |
| 2. | DEP | Dependencies |
| 3. | DB | Data Base |

* **1.5 References**

|  |  |  |
| --- | --- | --- |
| **References** | | |
| **1.** | GitHub | <https://github.com/> |
| **2.** | SourceTree | <https://www.sourcetreeapp.com/> |
| **3.** | Angular | <https://angular.io/> |
| **4.** | Angular Material UI | <https://material.angular.io/> |
| **5.** | ASP.NET | <https://dotnet.microsoft.com/apps/aspnet> |
| **6.** | SQL-SERVER | <https://www.microsoft.com/en-us/sql-server/sql-server-downloads> |
| **7.** | IEEE. IEEE Std 830-IEEE Recommended Practice for Software Requirements | http://www.math.uaa.alaska.edu /~afkjm/cs401/IEEE830.pdf |