|  |
| --- |
| HCC2, HCCE2, BSHC2, BSHCE2, BSHBIS2, BSHBISE2 |
| Requirements Specification (RS) |
| The Amateurs |

|  |
| --- |
| Fernando Sequineli, Igor dos Santos, Tamara Brevers, Vinicius Russo  2/19/21 |

Requirements Specification (RS)

Document Control

Revision History

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Date** | **Version** | **Scope of Activity** | **Prepared** | **Reviewed** | **Approved** |
| 03/02/2021 | 1 | Created project, first meeting. | Developed the idea. | Reviewed by all members | Yes |
| 11/02/2021 | 2 | Update and Web Design improvements | The first web pages were created | Reviewed by all members | Yes |
| 20/02/2021 | 3 | More pages developed, idea improved, creation of Database, objectives stablished. | Database created and connected, definition of responsibilities | Reviewed by all members | Yes |
|  |  |  |  |  |  |

Distribution List

|  |  |  |
| --- | --- | --- |
| **Name** | **Title** | **Version** |
| Sumit Tripathi | Lecturer |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Related Documents

|  |  |
| --- | --- |
| **Title** | **Comments** |
| Access Scenarios – Use Case Model | Testing login access |
| Access Conditions - Use Case Description |  |

**Table of Contents**

[1 Introduction 4](#_Toc316977392)

[1.1 Purpose 4](#_Toc316977393)

[1.2 Project Scope 4](#_Toc316977394)

[1.3 Definitions, Acronyms, and Abbreviations 4](#_Toc316977395)

[2 User Requirements Definition 4](#_Toc316977396)

[3 Requirements Specification 4](#_Toc316977397)

[3.1 Functional requirements 4](#_Toc316977398)

[3.1.1 Use Case Diagram 5](#_Toc316977399)

[3.1.2 Requirement 1 <name of requirement in a few words> 5](#_Toc316977400)

[3.1.3 Requirement 2 <name of requirement in a few words> 6](#_Toc316977401)

[3.2 Non-Functional Requirements 7](#_Toc316977402)

[3.2.1 Performance/Response time requirement 8](#_Toc316977403)

[3.2.2 Availability requirement 8](#_Toc316977404)

[3.2.3 Recover requirement 8](#_Toc316977405)

[3.2.4 Robustness requirement 8](#_Toc316977406)

[3.2.5 Security requirement 8](#_Toc316977407)

[3.2.6 Reliability requirement 8](#_Toc316977408)

[3.2.7 Maintainability requirement 8](#_Toc316977409)

[3.2.8 Portability requirement 8](#_Toc316977410)

[3.2.9 Extendibility requirement 8](#_Toc316977411)

[3.2.10 Reusability requirement 8](#_Toc316977412)

[3.2.11 Resource utilization requirement 8](#_Toc316977413)

[4 GUI 8](#_Toc316977414)

[5 System Architecture 8](#_Toc316977415)

[6 System evolution 8](#_Toc316977416)

# Introduction

## Purpose

The purpose of this document is to set out the requirements for the development of Rental Rate.

The intended customers is anyone who wants to review their properties, rate it and also for those who are current looking for a new place to rent and would like to check for properties and landlords before moving to a new place.

## Project Scope

The scope of the project is to develop a web application that creates accounts and lets people write reviews and also read them. The user can choose between creating a login and leave a review or just to look at previous reviews left by other users.

The project required deep knowledge in web application technologies such as JavaScript, PHP, MySQL, HTML, CSS

## Definitions, Acronyms, and Abbreviations

RR Rental Rate

……..

# User Requirements Definition

Users require from the system authentic reviews and the reviews require a login access by a registered user.

# Requirements Specification

All requirements should be verifiable. For example, experienced controllers shall be able to use all the system functions after a total of two hours training. After this training, the average number of errors made by experienced users shall not exceed two per day.

## Functional requirements

1 - View Reviews: anyone browsing the website should be able to search for reviews and view them.

2 - Create Account: if a person wants to contribute and leave a review it is necessary to create an account for security purposes.

3 - Login: users that are registered with our system are able to enter email and password to enter their account.

4 - Write Review: any user that is registered and logged-in have the option of writing a review of their own experiences.

### Use Case Diagram

Diagram

Description automatically generated

### Requirement 1 <name of requirement in a few words>

Requirement 1: User registration

Requirement 2: User Login

In case user only needs to review

A description of the requirement and its priority. Describes how essential this requirement is to the overall system.

#### Use Case

Each requirement should be uniquely identified with a sequence number or a meaningful tag of some kind.

**Scope**

The scope of this use case is to …….

**Description**

This use case describes the ………..

**Flow Description**

**Precondition**

The system is in initialisation mode……..

**Activation**

This use case starts when an <Actor>…………

**Main flow**

1. The system identifies the ………….
2. The <Actor> …………...(See A1)
3. The system …………..(See E1)
4. The <Actor> ………….

**Alternate flow**

A1 : <title of A1>

1. The system …………..
2. The <Actor> ………….
3. The use case continues at position 3 of the main flow

**Exceptional flow**

E1 : <title of E1>

1. The system …………..
2. The <Actor> ………….
3. The use case continues at position 4 of the main flow

**Termination**

The system presents the next ……….

**Post condition**

The system goes into a wait state

### Requirement 2 <name of requirement in a few words>

#### Description & Priority

A description of the requirement and its priority. Describes how essential this requirement is to the overall system.

#### Use Case

Each requirement should be uniquely identified with a sequence number or a meaningful tag of some kind.

**Scope**

The scope of this use case is to …….

**Description**

This use case describes the ………..

**Flow Description**

**Precondition**

The system is in initialisation mode……..

**Activation**

This use case starts when an <Actor>…………

**Main flow**

1. The system identifies the ………….
2. The <Actor> …………...(See A1)
3. The system …………..(See E1)
4. The <Actor> ………….

**Alternate flow**

A1 : <title of A1>

1. The system …………..
2. The <Actor> ………….
3. The use case continues at position 3 of the main flow

**Exceptional flow**

E1 : <title of E1>

1. The system …………..
2. The <Actor> ………….
3. The use case continues at position 4 of the main flow

**Termination**

The system presents the next ……….

**Post condition**

The system goes into a wait state

**List further functional requirements here, using the same structure as for Requirements 1 & 2. Most systems would have at least five main requirements.**

## Non-Functional Requirements

Specifies any other particular non-functional attributes required by the system. Examples are provided below. **Remove the requirement headings that are not appropriate to your project.**

### Performance/Response time requirement

### Availability requirement

### Recover requirement

### Robustness requirement

### Security requirement

### Reliability requirement

### Maintainability requirement

### Portability requirement

### Extendibility requirement

### Reusability requirement

### Resource utilization requirement

# GUI

Include mock-ups of the key pages or stages of the system. Explain how they are linked. Explain how you addressed above requirements in the design. It is important that the mock-ups are in line with the functional requirements above, e.g., if one of your requirements is “user registration” then one of the screens listed in this section should show a registration page.

# System Architecture

Use a class diagram to outline the structure of the system. Explain briefly why you have chosen this architecture. You might want to use Visio or Rational Rose to create these.

# System Evolution

This section describes how the system could evolve over time.