**REVISION HISTORY**

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| <dd/mm/yy> | <x.x> | <details> | <name> |
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# **Introduction**

## ***Document overview***

This document is the software test plan of the RMS software development project. It contains the description of tests.

## ***Abbreviations***

RMS: Room Management Software

REQ: Requirement

## ***References***

|  |  |  |
| --- | --- | --- |
| # | Document Identifier | Document Title |
| 1 | 002 | Software Requirements Specifications |

## ***Conventions***

Add here conventions

Date: dd/mm/yyyy

Version: x.xx (0.01 etc.), incrementing by 0.01 each version.

# **Tests preparations**

This section contains tasks and recommendations before executing tests.

## ***Hardware preparation***

A computer with any one of these operating systems are enough to use RMS:

Windows XP

Windows Vista

Windows 7

Windows 8

Windows 10

macOS

RMS may or may not work on older versions of these operating systems.

## ***Software preparation***

Any recent web browser is enough for using RMS.

## ***Other test preparation***

There is not any specific tasks to do before tests.

## ***Safety, security and privacy precautions***

None.

# **Tests descriptions**

Tests in this document are sorted by their IDs.

## ***Choose sub-section name***

Section name may be:

* or category of test xxx
* or some other logic to group tests

Describe each test with the pattern below.

For most of tests, only a subset of fields in the table is used, mark N/A (non applicable) the unused fields.

|  |  |  |
| --- | --- | --- |
| **Test ID** | **T-SRS-REQ-001** |  |
| Test description | Room reservation test. |  |
| Verified Requirement | SRS-REQ-001 | Demonstration |
| Initial conditions | Empty Room. | Room to be reserved is currently empty. |
| Tests inputs | NA | NA |
| Data collection actions | NA | NA |
| Tests outputs | The reserved room must be tagged as “Reserved” and should be unavailable to other users. | “Reserved Room” |
| Assumptions and constraints | NA | NA |
| Expected results and criteria | “Reservation is successful” or “Reservation has failed”. | If the selected room is currently empty, then reservation should be successful. Otherwise it should fail. |
| **Test procedure** |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** |
| 1 | Open RMS page. | RMS page is opened. |
| 2 | Click “Rooms” tab. | Rooms tab is opened. |
| 3 | Click an empty room. | Clicked empty room is selected. |
| 4 | Click “Reserve This Room”. | Room is now reserved. |

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| --- | --- | --- |
| **Test ID** | **T-SRS-REQ-002** |  |
| Test description | Ensuring system can give intended info else raise an error |  |
| Verified Requirement | SRS-RMS-REQ-003 |  |
| Initial conditions | The system running and waiting to be asked info about the room(s) wanted |  |
| Tests inputs | Folder: Test/inputs  File name: RoomInfo.txt |  |
| Data collection actions | NA |  |
| Tests outputs | Folder: Test/outputs  Location: project folder |  |
| Assumptions and constraints | NA |  |
| Expected results and criteria | To find related information about given room number or else raising an error message | Software shall give the right information about rooms |
| **Test procedure** |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** |
| 1 | Selecting the room | Room selected |
| 2 | Click on button | Requested information to be shown on the screen |

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| **Test ID** | **T-SRS-REQ-003** |  |
| Test description | Verifying the login feature |  |
| Verified Requirement | SRS-RMS-REQ-001 | Demonstration (D) |
| Initial conditions | The system is running and waiting for user ID and password inputs. |  |
| Tests inputs | username: S004031  password: 1234567 |  |
| Data collection actions | NA |  |
| Tests outputs | NA |  |
| Assumptions and constraints | NA |  |
| Expected results and criteria | User can access the system with correct inputs. Or, User cannot access the system with Incorrect inputs. Gives error message. |  |
| **Test procedure** |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** |
| 1 | Click “Login” button on the main screen. | An error message: Please enter username and password. |
| 2 | Enter username and incorrect password. | An error message: Incorrect password. Please enter correct password. |
| 3 | Enter username with correct password | Successfully login the RMS. |

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| --- | --- | --- |
| **Test ID** | **T-SRS-REQ-005** |  |
| Test description | Reservation cancelling |  |
| Verified Requirement | SRS-RMS-REQ-001 | Demonstration (D) |
| Initial conditions | A room must be reserved by an user |  |
| Tests inputs | username: admin  password: supersecretadminpassword |  |
| Data collection actions | NA |  |
| Tests outputs | NA |  |
| Assumptions and constraints | NA |  |
| Expected results and criteria | User should be able to cancel reservations on reserved rooms , user should not have ability to cancel reservations if the room is not reserved by user or not reserved at all. |  |
| **Test procedure** |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** |
| 1 | Click “Login” button on the main screen. | Login successful |
| 2 | Reserve the room with number 001  between 12:00 and 13:00 | Reservation successful |
| 3 | Cancel the reservation on the room 001 between 12:00 and 13:00 | Reservation succesfully cancelled , user should no longer be able to have ability to cancel reservation after the room is no longer reserved |