**Software Engineering**

**Spring 2024**

**TEST CASES**

**Members:**

Sadia Inayat (21L-1853)

Writing Test Cases for every Use Case in our system.

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| **Apply For Registration** | | | | | |
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| **Test Case ID:** | | *UC-004-01* | **QA Test Engineer:** | | *Sadia Inayat* |
| **Test Case Version:** | | *2* | **Reviewed by:** | | *Maham Javed* |
| **Test Date:** | | *09-05-2024* | **Use Case Reference(s):** | | UC-001 |
| **Revision History:** | | *None* | | | |
| **Objective:** | | Applying for registration on a website | | | |
| **Product/Ver/Module:** | | *Society Sphere* | | | |
| **Environment:** | | *Web application is up and running, database is online* | | | |
| **Assumptions:** | | *Resident is a member of the secure society and has a valid reason for the visitor's entry.* | | | |
| **Pre-Requisite:** | | *User is registered in the system* | | | |
| **Step No.** | **Execution description** | | | **Procedure result** | |
| **1** | The resident accesses the registration form. | | |  | |
| **2** | The resident fills out the registration form, providing personal information such as name, email, and address | | |  | |
| **3** | The resident chooses a password and confirms it by entering it again. | | |  | |
| **4** | The resident submits the registration application. | | |  | |
| **5** |  | | | The system sends a notification to the admin with the resident's registration details for verification. | |
| **Comments** | | The test case is passed. Our system is working according to our need. | | | |
| *Passed* *Failed* *Not Executed* | | | | | |

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| **Verify Registration** | | | | | |
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| **Test Case ID:** | | *UC-004-02* | **QA Test Engineer:** | | *Sadia Inayat* |
| **Test Case Version:** | | *2* | **Reviewed by:** | | *Aiza Tahir* |
| **Test Date:** | | *09-05-2024* | **Use Case Reference(s):** | | UC-008 |
| **Revision History:** | | *None* | | | |
| **Objective:** | | An admin to verify the registration of a new user in the system. | | | |
| **Product/Ver/Module:** | | *Society Sphere* | | | |
| **Environment:** | | *Web application is up and running, database is online* | | | |
| **Assumptions:** | | *Resident is a member of the secure society and has a valid reason for the visitor's entry.* | | | |
| **Pre-Requisite:** | | *User is registered in the system* | | | |
| **Step No.** | **Execution description** | | | **Procedure result** | |
| **1** | Admin selects the "Pending Registrations" or similar option from the admin dashboard. | | | The system displays a list of users with pending registrations. | |
| **2** | Admin selects the user to be verified. | | | The system provides details of the selected user's registration information | |
| **3** | Admin reviews the registration information for accuracy and completeness. | | | The system provides options to mark the user as "Verified" or "Not Verified." | |
| **4** | Admin selects "Verified" if the registration information is correct | | | The user's registration status is updated to "verified." | |
| **5** | Admin selects "Not Verified" if the registration information is incorrect or incomplete. | | | The admin may choose to send a notification or request additional information from the user to complete the registration. | |
| **Comments** | | The test case is passed. Our system is working according to our need. | | | |
| *Passed* *Failed* *Not Executed* | | | | | |

**Members:**

Alina Abaid (21L-5313)

Writing Test Cases for every Use Case in our system.

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| **Check Bills** | | | | | |
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| **Test Case ID:** | | *UC-014-03* | **QA Test Engineer:** | | *Alina Abaid* |
| **Test Case Version:** | | *3* | **Reviewed by:** | | *Ayza tahir* |
| **Test Date:** | | *10-05-2024* | **Use Case Reference(s):** | | (UC-002) |
| **Revision History:** | | *None* | | | |
| **Objective:** | | *To verify that a resident can successfully Check the bills* | | | |
| **Product/Ver/Module:** | | *Society Sphere* | | | |
| **Environment:** | | *Web application is up and running, database is online* | | | |
| **Assumptions:** | | *Resident is a member of the secure society and has a valid reason for the visitor's entry.* | | | |
| **Pre-Requisite:** | | *User is registered in the system* | | | |
| **Step No.** | **Execution description** | | | **Procedure result** | |
| **1** | Resident logs into their account. | | | The system authenticates the Resident. | |
| **2** | Resident navigates to the billing section. | | | The system displays the billing section. | |
| **3** | Resident selects the option to view bills. | | | The system retrieves and displays the Resident billing history. | |
| **4** | Resident selects a specific bill to view. | | | The system displays the selected bil | |
| **5** | Resident selects the option to generate a PDF for the current month's bill. | | | The system generates a PDF of the current month's bill and provides a download link. | |
| **Comments** | | The test case is passed. Our system is working according to our need. | | | |
| *Passed* *Failed* *Not Executed* | | | | | |

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| **Pay Bills** | | | | | |
| **Test Case ID:** | | UC-014-05 | **QA Test Engineer:** | | *Alina Abaid* |
| **Test Case Version:** | | *3* | **Reviewed by:** | | *Maham javed* |
| **Test Date:** | | *10-05-2024* | **Use Case Reference(s):** | | UC-003 |
| **Revision History:** | | *None* | | | |
| **Objective:** | | Resident can pay the bills | | | |
| **Product/Ver/Module:** | | *Society Sphere* | | | |
| **Environment:** | | *Web application is up and running, database is online* | | | |
| **Assumptions:** | | Admin is authenticated and logged into the system | | | |
| **Step No.** | **Execution description** | | | **Procedure result** | |
| **1** | The resident logs into their account on the payment platform | | | The system displays the selected bill payment details | |
| **2** | The resident selects the specific bill payment they want to verify. | | | The system presents the bank details used for the payment. | |
| **3** | The resident reviews the bank details to confirm that the payment was made to the correct bank or account | | | The system provides an option to upload the screenshot | |
| **4** | The resident submits the verification request. | | | The system records the verification request and notifies the resident of successful submission. | |
| **5** | if the resident notices any incorrect or invalid information during the verification process, they can choose to dispute the payment. | | | The system initiates an investigation into the disputed payment | |
| **Comments** | | The test case is passed. Our system is working according to our need. | | | |
| *Passed* *Failed* *Not Executed* | | | | | |

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| **View bills:** | | | | | |
| **Test Case ID:** | | UC-014-06 | **QA Test Engineer:** | | *Alina Abaid* |
| **Test Case Version:** | | *2* | **Reviewed by:** | | *Sadia Inayat* |
| **Test Date:** | | *09-05-2024* | **Use Case Reference(s):** | | UC-013 |
| **Revision History:** | | *None* | | | |
| **Objective:** | | Admin can generate bills for customers. | | | |
| **Product/Ver/Module:** | | *Society Sphere* | | | |
| **Environment:** | | *Web application is up and running, database is online* | | | |
| **Assumptions:** | | Admin is authenticated and logged into the system | | | |
| **Step No.** | **Execution description** | | | **Procedure result** | |
| **1** | Admin navigates to the "Billing Overview" section of the admin interface | | | The system displays a list of all bills, including details such as bill ID, date, amount, and status. | |
| **2** | admin enters incorrect login credentials. | | | The system displays an error message indicating that the login credentials are incorrect. | |
| **3** | . Admin faces a network connectivity issue while trying to access billing data. | | | The system displays an error message indicating a network problem and advises the admin to check their internet connection. | |
| **Comments** | | The test case is passed. Our system is working according to our need. | | | |
| *Passed* *Failed* *Not Executed* | | | | | |

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| **Generate bills:** | | | | | |
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| **Test Case ID:** | | UC-010-07 | **QA Test Engineer:** | | *Alina Abaid* |
| **Test Case Version:** | | *3* | **Reviewed by:** | | *Ali Farooq* |
| **Test Date:** | | *09-05-2024* | **Use Case Reference(s):** | | UC-009 |
| **Revision History:** | | *None* | | | |
| **Objective:** | | Admin can generate bills for customers. | | | |
| **Product/Ver/Module:** | | *Society Sphere* | | | |
| **Environment:** | | *Web application is up and running, database is online* | | | |
| **Assumptions:** | | Admin is authenticated and logged into the system | | | |
| **Step No.** | **Execution description** | | | **Procedure result** | |
| **1** | The admin logs into the billing system | | | The system verifies the admin's credentials and grants access to the Admin Control Center. | |
| **2** | The admin navigates to the "Generate Bills" section | | | The system displays options for selecting the billing period and criteria for generating bills | |
| **3** | The admin selects the billing period and criteria and initiates the bill generation process. | | | The system generates bills based on the selected criteria and displays a summary of the generated bills. | |
| **4** | The admin confirms the accuracy of the generated bills. | | | The system presents the admin with options to make corrections or adjustments if necessary. | |
| **5** | The admin selects the option to notify bills to customers | | | The system finalizes the bills and saves them in the system. | |
| **Comments** | | The test case is passed. Our system is working according to our need. | | | |
| *Passed* *Failed* *Not Executed* | | | | | |

**Members:**

Ayza Tahir (21L-1854)

Writing Test Cases for every Use Case in our system.

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| **Register a Visitors** | | | | | |
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| **Test Case ID:** | | *UC-041-08* | **QA Test Engineer:** | | *Ayza tahir* |
| **Test Case Version:** | | *3* | **Reviewed by:** | | *Maham javed* |
| **Test Date:** | | *11-05-2024* | **Use Case Reference(s):** | | UC-004 |
| **Revision History:** | | *None* | | | |
| **Objective:** | | The process for residents of a secure society to register visitors who wish to enter the premises. | | | |
| **Product/Ver/Module:** | | *Society Sphere* | | | |
| **Environment:** | | *Web application is up and running, database is online* | | | |
| **Assumptions:** | | *Resident is a member of the secure society and has a valid reason for the visitor's entry.* | | | |
| **Pre-Requisite:** | | *User is registered in the system* | | | |
| **Step No.** | **Execution description** | | | **Procedure result** | |
| **1** | *Resident initiates the visitor registration process* | | | *Resident is prompted to provide visitor details* | |
| **2** | *System prompts resident to provide visitor details including name, purpose of the visit, date, and time of the visit* | | | *Resident enters the required information* | |
| **3** | *Resident enters the required information* | | | *Information is entered accurately* | |
| **4** | *System verifies the information* | | | *System proceeds to notify security personnel and record visitor registration* | |
| **5** | *System notifies security personnel to grant access to the visitor at the specified date and time* | | | *Security personnel are informed* | |
| **Comments** | | The test case is passed. Our system is working according to our need. | | | |
| *Passed* *Failed* *Not Executed* | | | | | |

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| **View Visitors** | | | | | |
|  | | | | | |
| **Test Case ID:** | | *UC-041-09* | **QA Test Engineer:** | | *Aiza Tahir* |
| **Test Case Version:** | | *5* | **Reviewed by:** | | *Alina Abaid* |
| **Test Date:** | | *11-05-2024* | **Use Case Reference(s):** | | UC-010 |
| **Revision History:** | | *None* | | | |
| **Objective:** | |  | | | |
| **Product/Ver/Module:** | | *Society Sphere* | | | |
| **Environment:** | | *Web application is up and running, database is online* | | | |
| **Assumptions:** | | *Resident is a member of the secure society and has a valid reason for the visitor's entry.* | | | |
| **Pre-Requisite:** | | *User is registered in the system* | | | |
| **Step No.** | **Execution description** | | | **Procedure result** | |
| **1** | The admin selects the "Access Visitor Records" option from the main menu. | | | The system retrieves a list of all visitors stored in the database | |
| **2** | The system displays a paginated list of visitors, including their names, contact information, and visit details. | | | The list of visitors is displayed to the admin, allowing them to scroll through the pages to view all the visitors. | |
| **3** | The admin can click on a visitor's name to view more details or perform actions | | | If the admin clicks on a visitor's name, the system displays a detailed view of the visitor's information | |
| **4** | The admin enters incorrect login credentials or encounters an authentication issue | | | The system displays an error message, prompting the admin to enter the correct credentials or contact support for assistance | |
| **5** | The admin attempts to view a visitor's details that do not exist in the system. | | | The system displays a message indicating that the requested visitor's details are not found. | |
| **Comments** | | The test case is passed. Our system is working according to our need. | | | |
| *Passed Failed Not Executed* | | | | | |

**Members:**

Ali Farooq (21L-5088)

Writing Test Cases for every Use Case in our system.

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| **Book Amenities** | | | | | |
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| **Test Case ID:** | | *UC-004-11* | **QA Test Engineer:** | | *Ali Farooq* |
| **Test Case Version:** | | *2* | **Reviewed by:** | | *Sadia Inayat* |
| **Test Date:** | | *09-05-2024* | **Use Case Reference(s):** | | UC-005 |
| **Revision History:** | | *None* | | | |
| **Objective:** | | The process of booking amenities and it ensures that only one amenity can be booked by one person at a time, and allows for bookings on different days or times | | | |
| **Product/Ver/Module:** | | *Society Sphere* | | | |
| **Environment:** | | *Web application is up and running, database is online* | | | |
| **Assumptions:** | | *Resident is a member of the secure society and has a valid reason for the visitor's entry.* | | | |
| **Pre-Requisite:** | | *User is registered in the system* | | | |
| **Step No.** | **Execution description** | | | **Procedure result** | |
| **1** | The resident selects the type of amenity they want to book | | | The system checks for availability of the selected amenity at the specified date and time. | |
| **2** | The resident specifies the date and time they want to book the amenity for. | | | If the amenity is available, the system books it for the visitor. | |
| **3** | The resident confirms the booking | | | The system confirms the booking to the resident. | |
| **4** | The resident provides incorrect or invalid details during the booking process. | | | The system detects the incorrect or invalid details | |
| **5** | The visitor corrects the details | | | The system informs the visitor of the error and asks them to correct the details. | |
| **Comments** | | The test case is passed. Our system is working according to our need. | | | |
| *Passed* *Failed* *Not Executed* | | | | | |

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| **View Booking** | | | | | |
|  | | | | | |
| **Test Case ID:** | | *UC-004-12* | **QA Test Engineer:** | | *Ali Farooq* |
| **Test Case Version:** | | *2* | **Reviewed by:** | | *Ayza Tahir* |
| **Test Date:** | | *09-05-2024* | **Use Case Reference(s):** | | UC-011 |
| **Revision History:** | | *None* | | | |
| **Objective:** | | admin can view bookings in the system | | | |
| **Product/Ver/Module:** | | *Society Sphere* | | | |
| **Environment:** | | *Web application is up and running, database is online* | | | |
| **Assumptions:** | | *Resident is a member of the secure society and has a valid reason for the visitor's entry.* | | | |
| **Pre-Requisite:** | | *User is registered in the system* | | | |
| **Step No.** | **Execution description** | | | **Procedure result** | |
| **1** | The admin selects the "View Bookings" option from the admin dashboard | | | The system displays a list of existing bookings, including details such as booking ID, customer name, date, time, and location | |
| **2** | The admin notices incorrect or invalid booking details while viewing bookings. | | | The system provides the admin with different options | |
| **3** |  | | | Cancel the booking if it's deemed necessary due to inaccuracies or invalid information | |
| **4** |  | | | Update the booking status as "Pending" while awaiting clarification or correction from the resident | |
| **Comments** | | The test case is passed. Our system is working according to our need. | | | |
| *Passed* *Failed* *Not Executed* | | | | | |

**Members:**

MAHAM JAVED (21L-1845)

Writing Test Cases for every Use Case in our system.

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| **Manage complaint** | | | | | |
|  | | | | | |
| **Test Case ID:** | | *UC-006-01* | **QA Test Engineer:** | | *Maham Javed* |
| **Test Case Version:** | | *4* | **Reviewed by:** | | *Ayza Tahir* |
| **Test Date:** | | *09-05-2024* | **Use Case Reference(s):** | | *Manage Complaint (UC-006)* |
| **Revision History:** | | *None* | | | |
| **Objective:** | | *To verify that a resident can successfully submit a complaint and check its status* | | | |
| **Product/Ver/Module:** | | *Society Sphere* | | | |
| **Environment:** | | *Web application is up and running, database is online* | | | |
| **Assumptions:** | | *Resident is registered and logged into the system* | | | |
| **Pre-Requisite:** | | *User is registered in the system* | | | |
| **Step No.** | **Execution description** | | | **Procedure result** | |
| **1** | *Resident logs into the system* | | | *Resident successfully logs in* | |
| **2** | *Resident navigates to the "Complaints" section* | | | *Resident is directed to the Complaints section* | |
| **3** | *The system displays a list of existing complaints and a "Submit Complaint" button* | | | *List of complaints and "Submit Complaint" button are visible* | |
| **4** | *Resident clicks on the "Submit Complaint" button* | | | *System prompts resident to describe the complaint* | |
| **5** | *Resident submits the complaint description* | | | *System records the complaint in the database with status "Unresolved" and displays a confirmation message* | |
| **Comments** | | The test case is passed. Our system is working according to our need. | | | |
| ShapeShape*Passed* *Failed* *Not Executed* | | | | | |

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| **Resolve complaints** | | | | | |
|  | | | | | |
| **Test Case ID:** | | *UC-012-01* | **QA Test Engineer:** | | *Maham Javed* |
| **Test Case Version:** | | *4* | **Reviewed by:** | | *Alina Abaid* |
| **Test Date:** | | *09-05-2024* | **Use Case Reference(s):** | | *Resolve Complaints (UC-012)* |
| **Revision History:** | | *None* | | | |
| **Objective:** | | *To verify that an admin can successfully resolve a customer complaint* | | | |
| **Product/Ver/Module:** | | *Society Sphere* | | | |
| **Environment:** | | *Web application is up and running, database is online* | | | |
| **Assumptions:** | | *Admin is logged into the complaint resolution system* | | | |
| **Step No.** | **Execution description** | | | **Procedure result** | |
| **1** | *Admin logs into the complaint resolution system* | | | *Admin successfully logs in* | |
| **2** | *Admin is presented with a list of unresolved complaints* | | | *List of unresolved complaints is displayed* | |
| **3** | *Admin selects an unresolved complaint from the list* | | | *Details of the selected complaint are displayed on the screen* | |
| **4** | *Admin reviews the complaint details* | | | *Admin understands the complaint* | |
| **5** | *Admin takes appropriate actions to resolve the complaint* | | | *Admin implements corrective measures as necessary* | |
| **6** | *Admin updates the status of the complaint in the system to "Resolved"* | | | *System changes the complaint status to "Resolved”.* | |
| **Comments** | | The test case is passed. Our system is working according to our need. | | | |
| ShapeShape*Passed* *Failed* *Not Executed* | | | | | |