1. **Use Case Scenarios**

**UC-7.1: Register**

|  |  |  |
| --- | --- | --- |
| System: | A Mobile Application – Room Booking System | |
| Identifier: | UC-1 | |
| Name: | Register New User | |
| Pre-Condition(s): | The user is non-registered and does not have an account on Room Booking Application | |
| Post- Condition(s): | The user is directed to the Login Page of the Mobile application. | |
| Trigger: | The user has clicks on the Register button. | |
| Normal Flow: | User | System |
| 1. The user enters the details in the form and sets up the password. 2. User submit the Register form. | 1.1 System checks with the database whether the details already exists or not.  1.2 System checks the details whether it is in the range of 6 to 8 characters, includes at least 1 number and 1 special character.  1.3 System checks whether the field details matches with the password field.  1.4 System sends all the details to the database and stores the data in database.  2.1 Displays User registered successfully.  2.2 Displays login page. |
| Alternate Flow: |  | |
| Exceptional Flow(s): | **Exception:** There is an occurrence of internet connection failure.  1. The system will display the message “No Internet Connection, try Again”. | |
| Related Actor(s): | Non-Registered User | |
| Related Use Case(s): | User Login | |

Table 7.1. UC-1: Register New User

**UC-7.2: Login**

|  |  |  |  |
| --- | --- | --- | --- |
| System: | A Mobile Application – Room Booking System | | |
| Identifier: | UC-2 | | |
| Name: | Login | | |
| Pre-Condition(s): | The Actor is registered and has an account on Room Booking application. | | |
| Post- Condition(s): | The Actor is directed to the Room Booking page specific to the user/admin. | | |
| Trigger: | The Actor has clicked on the Login button. | | |
| Normal Flow: | User | System | |
| 1. The User enters the email and the password in the form. 2. User clicks login button. | 1.1 The User given details Email and password sends to the database.  1.2 Database authenticates the user input details and system validate user details.  2.1 System displays the menu page to the user. | |
| Alternate Flow: | User | | System |
| 1. User clicks on “forget password”. 2. The user is directed to the Login page. 3. If user input details are invalid. 4. The user entered the user name and the password are valid | | 1. Input email & clicks submit button, a email is send registered to reset the password.  3.1 Database check the input details and acknowledges to the system as an invalid user details.  3.2 System prompt the error message “Invalid Email or Password. Please try again”.  3.3 System empty the Fields. |
| Exceptional Flow(s): | **Exception:** The user enters invalid password or Email.  1. The system will prompt the message “Invalid User id or password, try again”. | | |
| Related Actor(s): | User Login. | | |
| Related Use Case(s): | Register | | |

Table 7.2. UC-2: Login

**UC-7.3 – Edit Profile**

|  |  |  |  |
| --- | --- | --- | --- |
| System: | A Mobile Application – Room Booking System | | |
| Identifier: | UC-3 | | |
| Name: | Edit Profile | | |
| Pre-Condition(s): | 1. The user is registered and has an account on Room Booking Application. 2. User logged in with the correct id and password. | | |
| Post- Condition(s): | The user can log out from the system after going through their profile. | | |
| Trigger: | The User has clicked on the Edit Profile. | | |
| Normal Flow: | User | System | |
| 1. User clicks on edit profile button. 2. User can change individual fields like Name, Phone, Email, and Password. 3. User clicks on the submit button. | 1.1 Display edit profile page which consists of change name, phone, email, password.  2.1 Saved the changes.  3.1 A confirmation message is displayed on the screen “Changes successfully saved”. | |
| Alternate Flow: | User | | System |
| 1. User clicks back button. | | 1.1 Displays User dashboard. |
| Exceptional Flow(s): | **Exception:** The User enters different values for password and confirm password.  1. The system will display the message “Please confirm the password”. | | |
| Related Actor(s): | User. | | |
| Related Use Case(s): | User Login. | | |

Table 7.3. UC-3: Edit profile

**UC-7.4: Rooms Available**

|  |  |  |  |
| --- | --- | --- | --- |
| System: | A Mobile Application – Room Booking System | | |
| Identifier: | UC-4 | | |
| Name: | Rooms Available | | |
| Pre-Condition(s): | The user must be a registered,  User details must exist. | | |
| Post- Condition(s): | The User can be able to view the booked room details and the booking status of the room. | | |
| Trigger: | The user has clicked on the “Rooms Available” button. | | |
| Normal Flow: | User | System | |
| 1. User enter Room No, capacity, hardware equipment and software equipment. | 1.1 System displays the select room no option.  1.2 System displays the select  Room capacity option.  1.3 System displays the event equipment category and Display the hardware, software items. | |
| Alternate Flow: | User | | System |
| 1. User select back button | | 1.1 System display User dashboard |
| Exceptional Flow(s): |  | | |
| Related Actor(s): | User | | |
| Related Use Case(s): | User Login. | | |

Table 7.4. UC-4: Rooms available.