

Deliverable 2 - Use Cases & Scenarios

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1.1 Use Case

Use case name	userLogIn
Participating actors	user
Flow of events	<ol style="list-style-type: none">1. User lands on welcome page2. User clicks on "login" button3. User lands on "login" page4. User is presented with username field and password field5. User enters correct account username in username field6. User enters correct account password in password field7. User clicks "login" button under password field8. Login page closes9. User lands on "member home" page10. User is now logged in and is authorized to access more tabs on the "member home" page. Tabs accessible once authorized: Manage Account, Calendar/Reservation.
Entry condition	The software's welcome page is displayed, indicating the app session has no user currently logged in.
Exit Condition	All required fields are entered and the user presses the "login" button.
Quality Requirements	None

1.2 Scenario

Scenario name	invalidUsernameEntered
Participating actors	user
Flow of events	<ol style="list-style-type: none">1. User lands on welcome page2. User clicks on "Login" button3. User lands on the "Login" page4. User is presented with username field and password field5. User enters invalid account username6. User enters valid account password7. User clicks "Login" button under password field8. The system checks the database to ensure the username and password entered are valid9. The system is unable to verify the username10. The system sends a message to the UI prompting the user that "The credentials entered are invalid" in RED11. User remains on the "Login" page without gaining any access.

1.3 Scenario

Scenario name	invalidPasswordEntered
Participating actors	user
Flow of events	<ol style="list-style-type: none">1. User lands on welcome page2. User clicks on "Login" button3. User lands on the "Login" page4. User is presented with username field and password field5. User enters valid account username6. User enters invalid account password7. User clicks "Login" button under password field8. The system checks the database to ensure the username and password entered are valid9. The system is unable to verify the password10. The system sends a message to the UI prompting the user that "The credentials entered are invalid" in RED11. User remains on the "Login" page without gaining any access.

2.1 Use Case

Use case name	userAccountRegistration
Participating actors	user
Flow of events	<ol style="list-style-type: none">1. User lands on welcome page2. User clicks on "register" button3. User lands on "register" page4. User enters first name in First Name field (required)5. User enters last name in Last Name field (required)6. User enters home address in address field (required)<ol style="list-style-type: none">a. User enters home number and street name in Address Line 1 field (required)b. User enters additional home address information in Address Line 2 field (optional)c. User enters city/town in City field (required)d. User enters state in State field (required)e. User enters zip code in ZIP field (required)7. User enters phone number in Phone Number field (required)8. User enters email in Email field (required)9. User enters date of birth in Date of Birth field (required)10. User enters valid desired username in Username field (required)11. User enters valid desired password in Password field (8-20 characters)12. User clicks on "register" button at the bottom of the page with all required fields completed
Entry condition	The software's welcome page is displayed, indicating the app session has

	no user currently logged in.
Exit Condition	All required fields are completed and the user presses the “register” button.
Quality Requirements	None

2.2 Scenario

Scenario name	usernameTaken
Participating actors	user
Flow of events	<ol style="list-style-type: none"> 1. User lands on welcome page 2. User clicks on “register” button 3. User lands on “register” page 4. User enters first name in First Name field (required) 5. User enters last name in Last Name field (required) 6. User enters home address in address field (required) <ol style="list-style-type: none"> a. User enters home number and street name in Address Line 1 field (required) b. User enters additional home address information in Address Line 2 field (optional) c. User enters city/town in City field (required) d. User enters state in State field (required) e. User enters zip code in ZIP field (required) 7. User enters phone number in Phone Number field (required) 8. User enters email in Email field (required) 9. User enters date of birth in Date of Birth field (required) 10. User enters desired username in Username field (required) 11. User enters valid desired password in Password field (8-20 characters) 12. User clicks on “register” button at the bottom of the page with all required fields completed 13. The system checks the database and finds an account already existing with the username. 14. The user is informed that the username is already taken and the system prompts the user to enter another. 15. Step 13 is repeated with each new username entered.

3.1 Use Case

Use case name	userReserveCourt
Participating actors	user
Flow of events	<ol style="list-style-type: none">1. User begins on “member home” page with member account logged in<ol style="list-style-type: none">a. “Reservation” tab is available to user on “member home” page2. User clicks on “Reservation” tab3. User lands on “Reservation” page4. User selects available date from calendar and selected date is prefilled into Reserved Date field5. User enters number of member in Number of Members field<ol style="list-style-type: none">a. User clicks “confirm” button upon entering the number of guests for Member First Name field and Member Last Name field to appearb. User enters first name of member in Member First Name fieldc. User enters last name of members in Member Last Name field6. User enters number of guests in Number of Guests field<ol style="list-style-type: none">a. User clicks “confirm” button upon entering the number of guests for Guest First Name field and Guest Last Name field to appearb. User enters first name of guest in Guest First Name fieldc. User enters last name of guest in Guest Last Name field7. User selects valid time slot on selected date page8. User clicks “Reserve” button9. User lands on a confirmation page displaying the details about the reservation.
Entry condition	User is on the “Reservation” page.
Exit Condition	All information about players is completed and the user clicks the “Reserve” button.
Quality Requirements	None

3.2 Scenario

Scenario name	userReservationLimit
Participating actors	user
Flow of events	<ol style="list-style-type: none">1. User begins on “member home” page with member account logged in<ol style="list-style-type: none">a. “Reservation” tab is available to user on “member home” page2. User clicks on “Reservation” tab3. User lands on “Reservation” page4. User selects available date from calendar and selected date is prefilled into Reserved Date field5. User is notified of their previous upcoming reservation, and cannot proceed with new reservation until first is completed or canceled

4.1 Use Case

Use case name	userCancelReservation
Participating actors	user
Flow of events	<ol style="list-style-type: none">1. User begins on “member home” page with member account logged in<ol style="list-style-type: none">a. “Reservation” tab is available to user on “member home” page2. User clicks on “Reservation” tab3. User lands on “Reservation” page4. User clicks the (un)desired time slot from the “Your Active Reservations” list5. The details of the reservation are displayed in a pop-up window, with an option to cancel the reservation.6. User clicks the “Cancel Reservation” button.7. User lands on a confirmation page displaying which reservation has been canceled.
Entry condition	User is viewing the details of one of their reservations (pop-up window)
Exit Condition	User is viewing the details of their reservation and clicks the “Cancel Reservation” button.
Quality Requirements	None

4.2 Scenario

Scenario name	userCancelsTooLate
Participating actors	user
Flow of events	<ol style="list-style-type: none">1. User begins on “member home” page with member account logged in<ol style="list-style-type: none">a. “Reservation” tab is available to user on “member home” page2. User clicks on “Reservation” tab3. User lands on “Reservation” page4. User clicks the desired time slot from the “Your Active Reservations” list5. The details of the reservation are displayed in a pop-up window, with an option to cancel the reservation.6. User clicks the “Cancel Reservation” button.7. The system checks if request time is within 1 hour of desired reservation8. User is notified that the reservation is ongoing and cannot be canceled

5.1 Use Case

Use case name	userCancelMembership
Participating actors	user
Flow of events	<ol style="list-style-type: none">1. User begins on “member home” page2. User clicks on “Account” button3. User lands on Account page4. User clicks on “Cancel Membership” button5. User lands on “Cancel Membership” prompt6. User enters reason for cancellation in “Reason” field (optional)7. User clicks “Submit” button8. User lands on confirmation prompt9. User clicks “Confirm” button
Entry condition	User is on the “Account” page
Exit Condition	User clicks “Confirm” button
Quality Requirements	None

5.2 Scenario

Scenario name	userAbortProcess
Participating actors	user
Flow of events	<ol style="list-style-type: none">1. User begins on “member home” page2. User clicks on “Account” button3. User lands on “Account” page4. User clicks on “Cancel Membership” button5. User lands on “Cancel Membership” form6. User enters reason for cancellation in “Reason” field (optional)7. User clicks “Submit” button8. User lands on confirmation prompt “are you sure you want to cancel your membership?”9. User clicks “No, I changed my mind” button10. User is returned to the previous page, the “Cancel Membership” form11. User clicks the “Cancel” button to abort the process.12. User is returned to their “Account” page.

6.1 Use Case

Use case name	userMakePayment
Participating actors	user
Flow of events	<ol style="list-style-type: none">1. User is on “member home” page2. User clicks “Make Payment” button3. User selects type of fee to pay4. User lands on payment prompt5. User enters Card Number in the “Card Number” field6. User enters Expiration Date in the “Expiration Date” field7. User enters CVV in “CVV” field8. User clicks confirm9. Payment is processed10. Receipt of payment sent via email to User
Entry condition	User is on the “Account” page
Exit Condition	User has paid selected fee
Quality Requirements	None

6.2 Scenario

Use case name	userInvalidCardPayment
Participating actors	user
Flow of events	<ol style="list-style-type: none">1. User is on “member home” page2. User clicks “Make Payment” button3. User selects type of fee to pay4. User lands on payment prompt5. User enters Card Number in the “Card Number” field6. User enters Expiration Date in the “Expiration Date” field7. User enters CVV in “CVV” field8. User clicks confirm9. Payment is denied, either by card issuer or bank10. User is notified of payment failure11. User is prompted to try again