

Test Plan

Account Creation/Login Tests

Test: Coach Account Creation

Initial Conditions: Coach must be authorized by treasurer/admin

Test Inputs: coach email, name, phone number, address, new password, and authorization code issued by treasurer

Expected Result: coach account created and entered into system

Test: Member Account Creation

Initial Conditions: N/A

Test Inputs: member email, name, phone number, address, new password

Expected Result: member account created and entered into system

Test: User Login

Initial Conditions: User must have an account in the system

Test Inputs: Valid user login credentials (email and password)

Expected result: User guided to the correct UI based on their account role

Treasurer User Tests

Financial Information Menu Tests

Test: New Income Statement Creation

Initial Conditions: N/A

Test Inputs: Mouse click on "Create Income Statement" button

Expected Result: User enters income statement editing menu, prompted to enter new revenues/expenses for the income statement

Test: Editing Income Statement

Initial Conditions: User must have existing income statement

Test Inputs: Mouse click on "Edit Income Statement" button

Expected Result: User enters income statement editing menu, prompted to enter new revenues/expenses for the income statement

Test: Saving Income Statement

Initial Conditions: User must be in income statement editing menu

Test Inputs: Mouse click on "Save Income Statement" button

Expected Result: income statement updated with newly added revenues/expenses

Test: Monthly Profit List Display

Initial Conditions: There must be financial information to display

Test Inputs: Mouse click on “View Monthly Profits” button

Expected Result: Display a page containing an organized list of each month’s profit and income statement

Test: Monthly Expenses List Display

Initial Conditions: There must be monthly expenses to display

Test Inputs: Mouse click on “View Monthly Expenses” button

Expected Result: Display a page containing a list of expenses organized by month and priority

Member Logging and Sorting Menu Tests

Test: Member List Display

Initial Conditions: There must be member accounts to display

Test Inputs: Mouse click on “View Member List” button

Expected Result: Display a page containing a list of members and their information (name, phone number, address, classes they have attended, payments due) as well as a button to apply a discount

Test: Sorting Members by Attendance Frequency

Initial Conditions: User must be in member list menu

Test Inputs: Command to sort members by attendance frequency

Expected Result: Members are listed from highest attendance frequency to lowest

Test: Sending Members Discounts

Initial Conditions: User must be in top 10 most frequent attenders or not missed payment for 3+ months

Test Inputs: Mouse click on “Apply Discount” button

Expected Result: 10% discount applied to member’s most recent class, member notified of discount, and financial information updated

Test: Sorting Members by Payments Due

Initial Conditions: User must be in member list menu

Test Inputs: Command to sort members by payments due

Expected Result: Members are listed from most payments due to least

Test: Sending Overdue Payment Fees

Initial Conditions: User must have more than 1 payment due

Test Inputs: Mouse click on “Apply Penalty” button

Expected Result: Penalty fee issued to member, member notified, member payments due updated

Coach Logging Menu Tests

Test: Coach List Display

Initial Conditions: There must be coach accounts to display

Test Inputs: Mouse click on “View Coach List” button

Expected Result: Display a page containing a list of coaches and their information (name, phone number, address, classes they have coached, payments owed, schedule)

Test: Editing Coach Schedule

Initial Conditions: N/A

Test Inputs: Mouse click on “Edit Schedule” button for a certain coach

Expected Result: user prompted to add/remove classes to the coach’s schedule, coach and affected members notified of new or removed classes

Coach User Tests

Practice Scheduling Tests

Test: Sending Practice Reminders

Initial Conditions: Practice dates and member contact information are correctly entered in the system.

Test Inputs: Command to send out practice reminders.

Expected Result: All members receive reminders about the upcoming practice. The system logs the action and potentially tracks member responses or confirmations.

Test: Updating Practice Schedule

Initial Conditions: Existing practice schedule is available in the system.

Test Inputs: Modifications to the practice schedule (e.g., changes in time, date, location, or members).

Expected Result: The updated schedule is correctly reflected in the system. Notifications about the change are sent to all affected members.

Test: Communicating Schedule Changes

Initial Conditions: There's a need to cancel or reschedule a practice.

Test Inputs: Details of the cancellation or new schedule.

Expected Result: All members and treasurer are informed about the cancellation or the new schedule promptly. The system logs this communication.

Test: Recording Practice Attendance

Initial Conditions: Coach must have access to the coaching dashboard.

Test Inputs: Mouse click on "Record Attendance" button.

Expected Result: Coach enters attendance recording interface, prompted to select date and mark attendance for members present.

Test: Editing Practice Attendance

Initial Conditions: user must have access to the coaching dashboard and have existing recorded attendances.

Test Inputs: Mouse click on "Edit Attendance" button next to a specific practice date.

Expected Result: Coach enters attendance editing menu for that date, able to modify attendance records.

Payment Reminder/Tracking Tests

Test: Sending Payment Reminders

Initial Conditions: List of members with outstanding payments is up-to-date.

Test Inputs: Command to send out payment reminders to members with dues.

Expected Result: Members with pending payments receive reminders, detailing their outstanding amount and instructions for payment. The system tracks these notifications.

Member User Tests

Member Attendance Tests

Test: Display Schedule

Initial Conditions: N/A

Test Inputs: User clicks "View Class Schedule" button

Expected Result: Display a page containing a list of upcoming classes and their information (time, date, location, coach)

Test: Class Signup

Initial Conditions: User must be in schedule menu

Test Inputs: User clicks "Attend Class" button for a certain class in the schedule menu

Expected Results: User added to list of members for that class, given option to pay now through application, coach and treasurer notified accordingly

Test: Functionality of Attendance Logging

Initial Conditions: Member attends a session

Test Inputs: Member's ID or name as they check-in

Expected Result: Member's attendance is logged with the date and session details as well as payment status.

Member Information Tests

Test: Display classes a user has signed up for

Initial Conditions: User has signed up for at least one class

Test Inputs: User clicks "View My Schedule" button

Expected Result: Display a page containing a list of upcoming classes the user has signed up for with the option to cancel

Test: Sending Reminders for Upcoming Practices

Initial Conditions: Practice session scheduled

Test Inputs: Command to send reminders a specified number of days before the practice

Expected Result: All members receive reminders for the upcoming practice.

Member Payment Tests

Test: Display Payments Due

Initial Conditions: User has at least one payment due

Test Inputs: User clicks "View My Payments" button

Expected Result: Display a page with a list of the user's outstanding payments as well as the associated class and the option to pay

Test: Functionality of Payment Status Update

Initial Conditions: Member makes a payment

Test Inputs: Member's ID or name and payment amount

Expected Result: Member's payment status is updated to reflect the new payment.