**Test Report for MEM**

This document contains reports of existing tests in the reported test plan in i2 which were performed during i3 and are reported in the following document.

The operations expected to be available in the software are:

1. GUI and Display Unit
2. Displaying the Member list
3. Member/Coach List Management
4. Message Reading/Sending (for Coaches)
5. Members Benefits/Penalties based on Attendance/Payment
6. Finance Management

**1. GUI and Display Unit**

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| **Test Case ID** | **Purpose/Function** | **Steps** | **Expected Result** | **Operations Performed & Observations** | **Test Result** |
| 1 | GUI validation | 1. Run the application. 2. Ensure application opens. 3. Spelling should be correct. Check the positions of components. | Login window should appear. Window should have the following text fields: Username, Password.  Buttons: Login, Cancel. | Ran the application observing the righteous UI for a login screen. Spellings for all components are correct. | Test passed! |
| 2 | Successful valid login | 1. Login with either a valid member, coach, or treasurer login credentials. 2. Click on login button. 3. Repeat for each type of account. | The UI should show the appropriate panel for each type of person. | Entering the username and password, then clicking on login takes the user to the appropriate GUI to perform their respective tasks. | Test passed! |
| 3 | Invalid Username/Valid Password | 1. Enter invalid username. 2. Enter valid password. 3. Click on login button. | Notification should show that their username entry is invalid. | It doesn’t login. | Test passed! |
| 4 | Valid Username/Invalid Password | 1. Enter valid username. 2. Enter invalid password. 3. Click on login button. | Notification should show that their password entry is invalid. | It doesn’t login. | Test passed! |
| 5 | Invalid Username and Password | 1. Enter invalid username and password. 2. Click on login button. | Notification should show that both entries are invalid. | It doesn’t login. | Test passed! |
| 6 | Log Out | 1. Log in with any valid account 2. Go to ‘Log Out’ 3. Click on ‘Logout’ button. 4. Log in with any valid account again. | After logging out, it should be possible to log in to any other account or the same one. No errors (ex. missing panels, components) should arise. | After logging in, going to the logout tab and then clicking logout, it allows the user to successfully login again with any valid account. | Test passed! |

**2. Display Member List**

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| **Test Case ID** | **Purpose/Function** | **Steps** | **Expected Result** | **Operations Performed & Observations** | **Results** |
| **1** | Coaches can view the members for their classes | 1. Log in to a Coach account. 2. Go to ‘Member List’. | A list of all members enrolled in that coach’s class should appear. Details for each member should be included as follows: ID, Name, Phone Number, Addresses, Payments, Attendances. | After logging into coach and going to member list tab, the user is able to see the member list according to the type of filter they applied to view the member list. | Test passed! |

**3. Member/Coach List Management**

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| **Test Case ID** | **Purpose/Function** | **Steps** | **Expected Result** | **Operations Performed & Observations** | **Test Result** |
| **1** | **Adding a new Member** | **-** | **-** |  |  |
| 1.1 | Coach adds a Member | 1. Log in to a Coach account. 2. Go to ‘Add a Member’ tab. 3. Enter the member’s name, age, addresses, phone number. 4. Click on Add. | Member should be recorded in the database and appear in the member list, with its own ID. | After logging into the coach UI and entering all details of a member in Add a member tab, clicking “Add member” inserts the member in the database with a generated ID. Member can be viewed in the member list with ID. | Test Passed! |
| **2** | **Removing a Member** | **-** | **-** |  |  |
| 2.1 | Coach removes a Member | 1. Log in to a Coach account. 2. Go to ‘Remove a Member’ tab. 3. Enter the member’s name. 4. Click on Remove. | Member should be removed from the database. That member should not appear in the future in the member list. | After logging into the coach UI and going to the member list tab, the user can view the list of members first and then enter a member name to have them removed. In turn the member is removed from the database. | Test passed! |
| **3** | **Sorting Member List** | **-** | **-** |  |  |
| 3.1 | Sort the list by Last Name | 1. Log in to a Coach account. 2. Go to ‘View Member List’. 3. Click on ‘Sort by Last Name’. | Members should appear sorted by last name, in alphabetical order. | Logging into coach and clicking on “Sort by first name” returns a list of members from the database arranged in alphabetical order of their first name | Test failedbecause the list was sorted by the name string and there were no first and last name parts to it. |
| 3.2 | Sort the member list by number of missed payments | 1. Log in to a Coach account. 2. Go to ‘View Member List’. 3. Click on ‘Sort by Missed Payments’. | Members should appear sorted by highest number of missed payments to lowest. | Logging into coach and clicking on “Sort by Missed payments” returns a list of members from the database arranged in order of missed payments. | Test Passed! |
| 3.3 | Sort the list by Attendance | 1. Log in to a Coach account. 2. Go to ‘View Member List’. 3. Click on ‘Sort by Attendance’. | Members should appear sorted by highest frequency of attendance to lowest. | Logging into coach and clicking on “Sort by Attendance” returns a list of members from the database sorted by highest frequency of attendance to lowest. | Test Passed! |
| **4** | **Managing Coaches** | **-** | **-** |  |  |
| 4.1 | Manage Coach List | 1. Log in to the Treasurer account. 2. Go to ‘Coach Management’. | A list of coaches should be available for viewing. | The GUI for that is developed but the database for coaches was not implemented in this iteration. | Test failed. The implementation of Coach in the Database was not done. |
| 4.2 | Manage Coach Schedule | 1. Log in to the Treasurer account. 2. Go to ‘Manage Coach Schedules’. | The schedules for each coach should be available for viewing. | The GUI for that is developed but the database for coaches was not implemented in this iteration. | Test failed. The implementation of Coach and Events in the Database was not done. |
| 4.3 | Add coach | 1. Log in to the Treasurer account. 2. Go to ‘Manage Coaches’. 3. Click ‘Create New Coach’ 4. Fill in ‘Coach name’, ‘salary’, ‘Contact information’ | A new coach should be added to the coach list with the attributes entered in the ‘Create new coach’ form. | The UI for adding a new coach is done but implementation in the DB remains and hence there is no functionality to add a new coach. | Test Failed. Database is not implemented for the Coach |

**4. Message Reading/Sending**

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| **Test Case ID** | **Purpose/Function** | **Steps** | **Expected Result** | **Operations Performed & Observations** | **Test Result** |
| **1** | **Message Reading** | **-** | **-** |  |  |
| 1.1 | Reading a message as a Member | 1. Log in to a Member account. 2. Go to ‘Messages’. | If the member has any messages, then it should be appear on screen. If not, then there should not be any messages at all. | When the member logs in, depending on the member who logged in, the message for that member is displayed under the Messages tab. | Test passed! |
| 1.2 | Message Clearing | 1. Log in to a Member account. 2. Go to ‘Messages’. 3. Check for unread messages. 4. Click on the ‘Clear all’ button. | The member should have his/her messages cleared; no messages should be in his/her inbox. | Logging into member and clicking on the “Clear all” button makes all existing messages for that member disappear with no new unread messages. | Test passed! |
| 1.3 | Reading sent messages as a Coach | 1. Log in to a Coach account 2. Go to ‘Message Members’. 3. Send a message. | The previous message should show up in the ‘Previous Messages’ text area in the same panel. | All the message sent by the coach appears in the message box above in the Message members tab for the coach. | Test passed! |
| **2** | **Message Sending** | **-** | **-** |  |  |
| 2.1 | Coach sends messages to Members | 1. Log in to a Coach account. 2. Go to ‘Message Members’. 3. Enter the names of the recipient members in the ‘Send To’ box, separated with a ‘;’ 4. Enter a message in the ‘Message’ box. 5. Click on ‘Send’. | When the appropriate members log in, they should receive that message. | After logging into coach and going to message members tab, the user can enter the names of members to send messages to and then enter the message in the message box which will send the message to the appropriate selected members after send is clicked. | Test Passed! |
| 2.2 | Coach sends messages to all of his members | 1. Log in to a Coach account. 2. Go to ‘Message Members’. 3. Click ‘Select all of your members’. 4. Enter a message in the ‘Message’ box. 5. Click on ‘Send’. | When any of the members log in, they should receive that message. | The coach is able to send message to either some or all of the members, when the coach clicks on “Select all of your members”, message is sent to all members when send is clicked.  Every member who logs in after that gets the message. | Test passed! |
| 2.3 | Automatic Messages to Non Paying Members | 1. Log in to a coach account. 2. Log out. 3. Log in to a member account that has that coach and has not paid. | That member should receive a message stating he has outstanding payments and that he has to pay. | After logging into a non paying members account,in the messages tab there is new reminder message to pay the outstanding amount. | Test passed! |

**5. Members Benefits/Penalties based on Attendance/Payment**

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| **Test Case ID** | **Purpose/Function** | **Steps** | **Expected Result** | **Operations Performed & Observations** | **Test result** |
| 1 | Members in the ‘Top 10 members’ for attendance | 1. Log in to a ‘Top 10’ Member account. 2. Go to ‘Payment Overview’. | The amount shown that the member has to pay should be 10% less than the regular amount. | The payment for that member was decreased by 10%. | Test passed! |
| 2 | Members who have outstanding payments | 1. Log in to a non-paying Member account. 2. Go to ‘Payment Overview’. | The amount shown that the member has to pay should be higher than the regular amount. | The payment for that member was increased by a random number as a penalty.. | Test passed! |
| 3 | Payment with PayPal | 1. Log in to a Member account. 2. Go to ‘Payment’. 3. Click on the button that will redirect the user to PayPal. | Once the button is clicked, the user’s browser will open to the PayPal website. | Logging into the members account and going to the payment tab, the member is shown the amount they are supposed to pay as well as a button to open paypal's website to pay the outstanding balance. | Test passed! |

**6. Finance Management**

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| **Test Case ID** | **Purpose/Function** | **Steps** | **Expected Result** | **Operations Performed & Observations** | **Test result** |
| 1. | Treasurer can look at Income Statement | 1. Log into the Treasurer account. 2. Go to ‘Income Statement’. | There should be a income statement with a revenue and expenses portion. | When logged into treasurer and in the club finances tab, the user can click on show to view the income statement | Test passed! |
| 2. | Treasurer can compare each month’s profit | 1. Log into the Treasurer account. 2. Go to ‘Club Finances’. | A list showing every month’s income should appear. | When logged into treasurer and in the club finances tab, the user can click on show to view the list showing past months income for the year. | Test passed! |
| 3. | Treasurer can view the various expenses | 1. Log into the Treasurer account. 2. Go to ‘Club Finances’. | A list showing the unpaid coach expenses and hall expenses should appear. The expenses should be prioritized by importance of payment, from highest to lowest. | When logged into treasurer and in the club finances tab, the user can click on show to view the income statement. | Test Failed. Priority was not implemented. |
| 4. | Treasurer can view the current month’s unearned revenues | 1. Log into the Treasurer account. 2. Go to ‘Club Finances’. | The unearned revenues per month should appear on screen. | When checking finances, unearned revenues/accounts payables were not shown. | Test Failed, as it was not implemented. |