**Test Plan For Team 1**

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# Add Membership

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Employee successfully add new Membership user | Employee input all the required information for new membership user, submit the data, and system saves new membership user information on the database. |
| Alt: Invalid Data | Employee entered wrong data in one or more in text fields. The system displays error message and request user to enter again. |
| Alt: VIP Membership | Employee selects to activate a VIP Membership account. The system checks cello transaction number and process as same as main scenario. |
| Alt: Initial balance addition | Employee specifies initial balance. The system checks cello transaction number and process as same as main scenario. |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | Successfully add new Membership user | Success | First name, last name, phone number, address, city, postal code, email address in correct format. Initial balance of $0 and no VIP membership is selected. | System accepts data, saves new data into database, then displays membership details of newly added membership user. |
| WA2 | Invalid Data | Simple Validation | Invalid inputs for First name(numbers, special chars), last name(numbers, special chars), phone number(invalid length, non-numeric digits), address (check special chars), city, postal code(Not in correct format), email address(Not in correct format). | System generate error message, request user to enter the new value. |
| WA3 | VIP Membership | Business Rule | VIP Status – Selected as “YES”. Empty Cello Transaction Number field, or invalid format/length of Cello Transaction Number. | System displays error message, request user to enter Cello Transaction Number. |
| WA4 | VIP Membership with Cello Transaction Number | Success | VIP Status – “YES” and correct Cello Transaction Number. | System accepts data, saves new data including VIP Membership information, then displays detailed membership user. |
| WA5 | Initial Balance | Business Rule | Initial Balance entered(positive) with Cello Transaction number blank or invalid. | System displays error message, request user to enter Cello Transaction Number. |
| WA6 | Initial Balance | Success | Initial Balance entered(positive) with correct format of Cello Transaction Number. | System saves new membership user with balance entered. Displays detailed membership information. |
| WA7 | Initial Balance | Calculation | Initial Balance with negative amount. Correct format of Cello Transaction Number | Error message is shown. Request user to enter correct balance. |

# Update Membership Profile

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Update Membership Profile | Employee edits new membership user profile, and submit. New data displays on the system. |
| Alt: Invalid Input | One or more information entered incorrect or empty. Error message shown. |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | Update Membership Profile | Success | Correct format of: phone number, email address, address, city, postal code. | Saves new data, displays detailed membership information. |
| WA2 | Invalid Input | Simple Validation | Incorrect format of: phone number(less,more in length, non-numeric chars), email(not in format), address (special chars), city(numbers, special chars), postal code(not in format) | Displays error message, request user to enter again. |

# Search Member/View Membership Detail/Request Status/ Credit Transaction

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: View Membership Detail by Search | Employee searches membership ID, found the record, and view the detailed information. |
| Main: View Credit Transaction | Employee clicks “view transaction” button and view the record |
| Main: View Request Status | Employee clicks “view request status” button and view the record |
| Alt: Invalid Input | Employee entered invalid data. |
| Alt: No Match Found | Employee entered correct data but no membership is found. |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | View Membership Detail by Search | Success | Correct Membership ID that is registered in the system are entered to search field. | System displays brief information of the membership matched. Employee click to view detail, then system displays the detailed information., |
| WA2 | Invalid Input | Simple Validation | Employee entered invalid format of search keyword: less or more in length, special chars. | System displays error message. Requests user to enter again. |
| WA3 | No Match Found | Business Rule | Correct membership ID that is not registered in the system. | System redirect user to “Add Membership” usecase. |
| WA4 | View request status | Success | N/A | Displays information |
| WA5 | View transactions | Success | N/A | Displays information |

# Activate VIP

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Activate VIP service for existing Membership user | Employee select a membership user, activate VIP by entering required information. |
| Alt: Invalid Input | Employee entered invalid data for Cello Transaction Number. |
| Alt: Authentication Failed. | Employee entered wrong password. |
| Alt: |  |
| Alt: |  |
| Alt: *…. as required…* |  |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | Activate VIP service for existing Membership user | Success | Correct format of Cello Transaction Number and correct password for current user. | Membership user promoted to VIP user. |
| WA2 | Invalid Input | Simple Validation | Invalid Cello Transaction Number (more or less in length, non-numeric digits) | Displays error message, requests user to re-enter the value. |
| WA3 | Authentication Failed | Business Rule | Invalid password for current user. | Display error message that the password entered in invalid, logout from the system for security protection. |

# Redeem Credit

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Membership Credit Redeemed | Employee select redeem credit option, and update the redeeming information on the system. |
| Alt: Credit Addition Request Selected | Instead of selection redeem credit, addition request is selected. |
| Alt: Amount Redeem Greater than Balance | Employee entered redeem amount greater than the current balance. |
| Alt: Invalid Input | Employee entered invalid format of data for Cello Transaction number and/or amount |
| Alt: Authentication Failed | Employee entered wrong password. |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | Membership Credit Redeemed | Success | Type – “Redeem”, amount less than balance, correct format of Cello Transaction Number, correct password. | Redemption recorded on the system correctly, then displays membership detail. |
| WA2 | Credit Addition Request Selected | Other user case | Type – “Addition” selected. | Redirect to Credit Addition usecase |
| WA3 | Amount redeem greater than balance | Calculation | Amount entered if greater than the current balance. | Error message displays. Request to re-enter. |
| WA4 | Invalid Input | Calculation | Invalid inputs such as: empty amount, empty Cello Transaction Number, invalid Cello Transaction Number | Error message displays. Requests to re-enter. |
| WA5 | Membership Credit Redeemed | Limit | Same as main flow. Amount entered is same as current balance. | Redemption recorded on the system correctly, then displays membership detail. |
| WA6 | Authentication Failed. | Business Rule | Invalid password for current user. | Display error message that the password entered in invalid, logout from the system for security protection. |

# Add Credit

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Credit Addition Request Sent | Employee select credit addition request. |
| Alt: Authentication Failed | Employee failed to enter correct password |
| Alt: Empty Comment | Employee attempt to send a request without entering the reason for credit addition |
| Alt: Invalid Input | Employee entered wrong amount. |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | Credit Addition Request Sent | Success | Correct Amount, password, and comment, Type is “Addition Request” | Credit addition request sent. |
| WA2 | Authentication Failed | Business Rule | Invalid password for current user. | Display error message that the password entered in invalid, logout from the system for security protection. |
| WA3 | Empty Comment | Simple Validation | Comment field is empty. | Error message shown. |
| WA4 | Invalid Input | Calculation | Amount is negative | Error message shown. |

# Redeem VIP Privileges

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: VIP Privilege redeemed | Employee updates one of VIP privileges. |
| Alt: Invalid Input | Employee entered wrong information. |
| Alt: Authentication Failed | Employee entered wrong password. |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | VIP Privilege redeemed | Success | Service type selected, Amount entered, Cello Transaction Number entered, correct password entered. | System saves the VIP transaction, display the result. |
| WA2 | Invalid Input | Simple Validation | Not selecting service type, invalid char in amount or transaction number. (Both are not required) | Error message displayed. |
| WA3 | Authentication Failed. | Business Rule | Invalid password for current user. | Display error message that the password entered in invalid, logout from the system for security protection. |

# Request Referral

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Referral Request Sent | Employee enters required information and send request. |
| Alt: Invalid Input | Employee enters invalid inputs. |
| Alt: Membership ID Not found | One or both of the membership ID requested for referral is not exist |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | Referral Request Sent | Success | Correct Membership IDs, phone number and account number. | System saves the request, displays request status page. |
| WA2 | Invalid Input | Simple Validation | Invalid length, invalid char for the fields: Membership ID(less or more in length, non-numeric digits). Phone number(less or more in length, non-numeric digits). Account number(less or more in length, non-numeric digits) All fields are required. | Error message shown. |
| WA3 | Membership ID Not Found | Business Rule | Membership ID that is not registered | Error message indicates that the membership entered in not registered. |

# (ADMIN) Manage All Members

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: View All Members | Admin view all registered membership users with detailed information |
| Alt: Deactivate VIP Membership | Admin deactivates VIP membership. |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | View All Members | Success | N/A | Displays all the membership information. |
| WA2 | Deactivate VIP Membership | Business Rule | Click a button | System deactivate the VIP membership to regular membership. |

# (ADMIN) Manage Credit Request

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Update Request Status | Admin reviews the list of credit request, then updates one of them. |
| Alt: Status not selected | Admin did not select request’s new status |
| Alt: Amount Changed | Admin changed amount that request. Use new amount and update the status. |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | Update Request Status | Success | Admin selects one of the status options (approved, cancelled, declined). Add any comment (optional) | System saves the data, and displays the list of requests. |
| WA2 | Status not selected. | Simple Validation | Status is not selected. | Error message displays |
| WA3 | Amount Changed | Simple Validation | Amount is empty | Error message displays |
|  |  | Simple Validation | Amount is negative | Error message displays |
|  |  | Business Rule | Different amount from requested | System saves the data that is changed, displays the list of requests. |

# (ADMIN)Manage Referral Request

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Request Status Updated | Admin either accept or declined the request. |
| Alt: Comment Added | Admin adds comment |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | Request Status Updated | Success | No data input. One click of accept or declined with empty comment field. | System saves the selection, displays the list. |
| WA2 | Comment Added | Business Rule | Some comments | System saves the selection with the comment. Displays the list. |