**Test Plan For Team 1**

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# MEMBERSHIP MODULE

# 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. |

# EMPLOYEE ACCOUNT MODULE

# Sign in

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Successful login | User enters correct log in information and is redirected to home page |
| Alt: Incorrect username and/or password | User entered incorrect information and is requested to retry |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| SI1 | Successful login | Simple validation | User inputted username, password, and store location, which will be compared to the database stored username, encrypted password, and the encryption key for store location | User entered username is matched in the database for the store location and the user entered password is matched with the stored encrypted password |
| SI2 | Incorrect username and/or password | Simple validation | User inputted username, password, and store location, which will be compared to the database stored username, encrypted password, and the encryption key for store location | User entered username is not found for store location or user entered password does not match stored password. |

# Manage Employee Accounts

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Update Employee Account Status | User successfully updates the status of an employee |
| Main: View Employee Accounts List | User views a list of all employee accounts |
| Main: Update Employee Information | User successfully updates the selected users information |
| Alt: new password and confirm password don’t match | The newly updated password does not match the password confirmation |
| Alt: Missing mandatory information | Some of the data fields were removed and not replaced |
| Alt: Invalid input format | The formatting for data fields such as (phone number, email, address) |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| EA1 | Update Employee Account Status | Calculation | Selected employee accounts status | The employees account status will be updated and the user will be redirected to list of employee accounts |
| EA2 | View Employee Accounts List | Data Availability | The employee name, username, address, phone number, email, and status are displayed for each employee in a table | The employee name, username, address, phone number, POS SYSTEM USET ID, email, and status are displayed for each employee |
| EA3 | Update Employee Information | Calculation | All mandatory fields are filled. Password, confirm password, address, phone number, email | Employee information which was modified is updated and the user is redirected to the list of employee accounts |
| EA4 | new password and confirm password don’t match | Simple Validation | Password and confirm password all other data values don’t matter | Password doesn’t match confirm password exactly causing the update to fail. User is asked to renter password and password confirm |
| EA5 | Missing mandatory information | Simple Validation | Any number of data values of: address, phone number, email, password, password confirm which are blank | Updating account information fails and user is requested to add a value to all empty form elements |
| EA6 | Invalid input format | Simple Validation | Any number of email, phone number, or address which have an incorrect format | Updating account information fails and user is requested to adjust data so that it is following the correct format |
|  |  |  |  |  |

# Manage Employee Account: Change Password, Create New Account, Update Employee Account

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: A new account was created | The employee registers a new account |
| Alt: data format is invalid | The submitted form has invalid fields |
| Alt: Mandatory fields are empty | There are fields that were left empty |
| Alt: confirm password and new password do not match | The employee filled the confirm password filled with content that does not match the new password |
| Alt: a piece of information exists in another account | A piece of information that must be unique to the account, like its email address, combination of last and first name and POS SYSTEM USET ID, has been found in an existing account |
|  |  |
| Main: Successfully changed the user’s password | The employee changes the password of his account |
| Alt: the current password is incorrect | The employee enters a password that does not match what is currently in the data base |
| Alt: confirm password and new password do not match | The employee filled the confirm password filled with content that does not match the new password |
| Alt: Mandatory fields are empty | There are fields that were left empty |
|  |  |
| Main: Successfully changed account information | The employee edits the information in his account |
| Alt: data format is invalid | The email address, home address, and/or phone number are in an incorrect format |
| Alt: Mandatory fields are empty | There are fields that were left empty |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| AC1 | A new account was created | Calculation | All mandatory fields are filled. Phone number, Email address, POS SYSTEM USET ID, and home address are valid meet format requirements, and the combination of first name and last name, POS SYSTEM USET ID and email are all unique to the created account. | The new account is added to the database. The list of employees is updated. The employee is directed to his home page. |
| AC2 | data format is invalid | Simple validation | One or more inputs such as emails and phone numbers do not follow the expected format. | An error statement is displayed besides the submit button and the violating fields are highlighted |
| AC3 | Mandatory fields are empty | Simple validation | The form contains fields that were left empty | An error statement is displayed besides the submit button and the empty fields are highlighted |
| AC4 | confirm password and new password do not match | Simple validation | The new password field’s content does not match the content of the confirm password field | An error statement is displayed besides the submit button and the two password fields are highlighted |
| AC5 | a piece of information exists in another account | Simple validation | The either the user name, the employee name, POS SYSTEM USET ID or email address is found in an existing account | An error statement is displayed besides the submit button and the violating fields are highlighted |
| CP1 | Successfully changed the user’s password | Calculation | The current password matches what is in the database and the new and confirm passwords are valid and they match | The account’s password has been updated and the employee is redirected to his home page. |
| CP2 | the current password is incorrect | Simple validation | The current password does not match what is in the database | An error statement is displayed besides the submit button and the current password field is highlighted |
| CP3 | confirm password and new password do not match | Simple validation | The new password field’s content does not match the content of the confirm password field | An error statement is displayed besides the submit button and the two password fields are highlighted |
| CP4 | Mandatory fields are empty | Simple validation | The either the user name, the employee name, POS SYSTEM USET ID | An error statement is displayed besides the submit button and the empty fields are highlighted |
| CI1 | Successfully changed account information | Calculation | All mandatory fields are filled. Phone number, Email address, POS SYSTEM USET ID, and home address are valid meet format requirements, and the combination of email address is all unique to the created account. | The altered fields are saved to the account and the employee is directed to his home page. |
| CI2 | data format is invalid | Simple validation | One or more inputs such as emails and phone numbers do not follow the expected format. | An error statement is displayed besides the submit button and the violating fields are highlighted the violating fields are highlighted |
| CI3 | Mandatory fields are empty | Simple validation | The either the user name, the employee name, POS SYSTEM USET ID | An error statement is displayed besides the submit button and the empty fields are highlighted |

# SALES MODULE

# Review Sales Target

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Successfully review sales targets | User successfully views the month’s sales targets and compares them with current sales and last year’s sales for the month |
| Alt: Target sales not available | Target sales for the month have not been set by the management |
| Alt: Last year’s sales not available | Last year’s sales figures for the same month not found in the database |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| RT1 | Successfully review sales targets | Data Avaiability | Target sales have been set for each category, last year’s sales figures available, current sales figures available | Sales targets, current sales and last year’s sales figures for the month are diplayed for each category of sale. Difference between target and current sales for each category also displayed |
| RT2 |  | Calculation | Target sales have been set for each category, current sales figures available | Sales targets and current sales for the month are diplayed for each category of sale. Total sale is calculated and displayed for both. Difference between target and current sales for each category are displayed |
| RT3 | Target sales not available | Data Avaiability | Target sales have not been set for the month, current sales figures available. | Sales targets for each category are displayed as “Not Available”. Current sales for the month are diplayed for each category of sale and total sale. Difference between target and current sales is displayed as “Not Available” |
| RT4 |  | Calculation | Target sales have not been set for the month, current sales figures available. | Sales targets for each category are displayed as “Not Available”. Current sales for the month are diplayed for each category of sale and total sale. Difference between target and current sales is displayed as “Not Available” |
| RT5 | Last year’s sales not available | Data Availability | Last year’s sales figures are not available, current sales figures available | Sales targets and current sales figures for the month are diplayed for each category of sale and total sale. Last year’s sales are displayed as “Not Available” |

# Add New Sale

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Successful addition of new sale | User successfully adds a new sale with valid customer information and product information. |
| Alt: Missing mandatory information | User leaves a mandatory text field blank |
| Alt: Invalid phone number, IMEI or SIM number | User enters phone number, IMEI or SIM number that doesn’t match the validation criteria. |
| Alt: Invalid input format | User enters input such as email, postal code or contact that is invalid or in the wrong format |
| Alt: Employee not authorized | Employee logged into the system is not authorized to add a new sale |
| Alt: Price plan and/or Add On and/or Tab amounts are too high or too low | Price plan selected is currently not available or is beyond the acceptable range, and / or add on amount entered is higher than the upper limit allowed for add ons, and/or Tab amount is above the maximum limit |
|  |  |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| AS1 | Successful addition of new sale | Calculation | All mandatory fields are filled. Phone number, IMEI and SIM numbers are valid, entries meet format requirements, user is authorized to add sale, amounts selected are allowed for the sale type. | New sale is added. Counts of sale type and model sold are updated, sale progress for the store and comparison with sales targets are updated. Phone number, IMEI and SIM numbers are saved as key for searching the sale, a receipt number is generated for the sale and saved. View daily sales page is displayed with the new sale updated. |
| AS2 | Missing mandatory information | Simple Validation | One or more mandatory fields are blank. | Error statement “\*Information Missin” is displayed before the “Add Sale” button. Text fields that need to be filled are highlighted with a hint on top of the field.  New sale is not added, no information is updated nor saved. |
| AS3 | Invalid phone number, IMEI or SIM number | Simple Validation | Phone number entered is not 10 digits in length, and/or not a GTA number, and/or if the IMEI is not 15 digits long, and/or the SIM number is not 19 digits long. | Error displaying “Invalid Input” is displayed before the “Add Sale” button, concerned text field(s) is highlighted and reason for the error is displayed next to the text field. |
| AS4 | Invalid input format | Simple Validation | One or more inputs such as emails and phone numbers do not follow the expected format. | Error statement “Invalid Input” is displayed before the “Add Sale” button, concerned text field(s) is highlighted and reason for the error is displayed next to the text field. |
| AS5 | Employee not authorized | Authorization | User doesn’t have permissions / correct role to perform the use case successfully | Error Message Displayed “You are not authorized to perform this function, contact admin for details”. |
| AS6 | Price plan and/or Tab and/or Add On amounts are too high or too low | Business Rule | Price plan entered is higher than the maximum amout permitted ($100) or lower than the minimum amount permitted. The Tab amount is more than the maximum limit ($504). The Add On amount is higher than the maximum amount permitted. | Error statement “Invalid Input” is displayed before the “Add Sale” button, concerned text field(s) is highlighted. Error statement indicating the problem with the amount entered is displayed next to the concerned text field. |
|  |  |  |  |  |

# Manage Sales: View Daily Sales / View Sale / Delete Sale / Get Receipt

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Successfully view the day’s sales | User views the list of sales for the current business day |
| Alt: No sales to view | There have been no sales added on the day |
| Alt: Too many sales for the page | The pages displays less number of sales than the number of sales made on the day |
|  |  |
| Main: View Sale | User views details of a particular sale from the list of day’s sales |
| Main: Delete Sale | User successfully deletes a particular sale from the list of day’s sales |
| Alt: “Go Back” option | User decides not to delete the sale and chooses the “Go Back” option |
| Alt: User not authorized to delete | User is not authorized to delete any sales |
|  |  |
| Main: Get Receipt Code | Get the receipt code for a particular sale on the list of sales |
| Alt: Unable to generate receipt code | System fails to generate the receipt code for the updated sale |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| VS1 | Successfully view the day’s sales | Data Availability | Sale Id, user’s name, pone number, phone model, IMEI#, SIM# and Sale type are availabe for every sale added on the business day | Sale Id, user’s name, pone number, phone model, IMEI#, SIM# and Sale type are displayed for every sale added on the business day with most recent sale on top. |
| VS2 | No sales to view | Data Availability | No Sale Id, user’s name, pone number, phone model, IMEI#, SIM# and Sale type are availabe for the business day | Table is empty and a message is displayed “No Sales added today” |
| VS3 | Too many sales for the page | Calculation | Number of sales added on the day are higher than the number of rows in the table displayed. | Most recent sales of the day are displayed immediately. “Pagination” appears below the table allowing user to move to the next list of sales. |
| VS4 | View Sale | Data Availability | Customer information and product information for the sale selected retrieved from database. | Customer information and product information for the sale selected displayed. |
| VS6 | Delete Sale | Data Availability | Customer information and product information for the sale selected retrieved from database. | Customer information and product information for the sale selected displayed.  Sale removed from list of sales upon confirmation. View daily sales is displayed without the deleted sale. |
| VS7 |  | Calculation | Customer information and product information for the sale selected retrieved from database. | Sale removed from list of sales upon confirmation. View daily sales is displayed without the deleted sale.  Counts deducted for the product and model type from the daily inventory, sale deducted for the sale type from current sales in Sales Target comparison and Sales progress. |
| VS8 | Go Back Option | Business Rule | Customer information and product information doesn’t matter. | No changes are saved. Return to View Daily Sales with the current sale displayed unchanged |
| VS9 | User not authorized | Authorization | User’s permissions and/or role not same as the permissions required and/or role required to delete a sale. | Error message displayed “You are not authorized to perform this function, please contact Admin for details” |
| VS10 | Get Receipt Code | Business Rule | System generates a unique receipt code for the sale which can be copied to the clipboard by the user | Dialog box appeard with the receipt code and gives option to copy the code to the clipboard |
| VS11 | Unable to generate receipt code | System Error | Get receipt button fails to generate a new receipt code. | Receipt code is shown as a blank when “get receipt” button is clicked. |

# Search Sales / Process Return

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Successfully search for a sale | Search for a sale using phone number or IMEI number or SIM number and get a record in result |
| Alt: Invalid phone number or IMEI number or SIM number | Search results no records and the number entered for search is invalid. |
| Main: Successfully process a return | User successfully processes a return, the sale’s status is updated. |
| Alt: Phone number not found | Phone number search yields no results for sales entries |
| Alt: Sales record found is different | Sales record found for the phone number is different from the one needed |
| Alt: Process return option is disabled | Process return button is disabled for the particular sale |
| Alt: Unable to generate receipt code | System fails to generate the receipt code for the updated sale |
| Alt: “Go Back” option | User cancels the return process and chooses “Go Back” option to return to search results |
|  |  |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| SR1 | Successfully search for a sale | Data Availability | A valid Phone number or IMEI number or SIM number searched returns an associated sale entry. | Sale associted with the searched phone number or IMEI number or SIM number is displayed. |
| SR2 | Invalid phone number or IMEI number or SIM number | Simple Validation | Phone number or IMEI number or SIM number searched is invalid and doesn’t meet the length or format requirements | Displayes message “Invalid search” and “No results found”. System identifies the closest type of search attempted (IMEI/Phone/SIM) and gives hints on the required length, starting digit and format for the number. |
| PR1 | Successfully process a return | Data Availability | Phone number or IMEI number or SIM number searched returns an associated sale entry.  All return criterias are met: location of return, 15 days grace period, proof of purchase.  Return is approved by a user with permissions to process a return | Return is successfully processed. System changes the status of the sale in the database, saves the updated status. Displays sales info and sends notification emails.. |
| PR2 |  | Business Rule | Phone number or IMEI number or SIM number searched returns an associated sale entry.  All return criterias are met: location of return, 15 days grace period, proof of purchase.  Return is approved by a user with permissions to process a return | Return is successfully processed. System changes the status of the sale in the database, saves the updated status. Displays sales info and sends notification emails. |
| PR3 |  | Authorization | Phone number or IMEI number or SIM number searched returns an associated sale entry.  All return criterias are met: location of return, 15 days grace period, proof of purchase.  Return is approved by a user with permissions to process a return | Return is successfully processed. System changes the status of the sale in the database, saves the updated status. Displays sales info and sends notification emails. |
| PR4 | Phone number not found | Data Availability | No sale fond against the associated phone number searched. | Error message displayed ”No results found”. Hint is displayed “Try searching with the customer’s IMEI or SIM number”. |
| PR5 | Sales record found is different | Data Availability | Sale found against the associated phone number, but it’s a different sale. | The search result is displayed with a view link that can be used to confirm details of the sale. |
| PR6 | Process return option is disabled | Business Rule | More than 15 days have passed since the purchase, and/or the location of the purchase is different from the current store location, and/or customer is not carrying a proof of purchase. | Process return page displays sales informarion. The “Process Return” button is disabled. No changes are saved to the sales info. “Go Back” option is availabe to return to search results. |
| PR7 | Unable to generate receipt code | System Error | Phone number or IMEI number or SIM number searched returns an associated sale entry.  All return criterias are met: location of return, 15 days grace period, proof of purchase.  Return is approved by a user with permissions to process a return.  Get receipt button fails to generate a new receipt code. | Return is successfully processed. System changes the status of the sale in the database, saves the updated status. Displays sales info and sends notification emails.  Receipt code is shown as a blank when “get receipt” button is clicked. |
| PR8 | “Go Back” option | Business Rule | User chooses to abort the return process at any time. Sales information does not matter. Go Back option is available. | User returns to search results page. No changes are made to the sales status or the sales info. Return is not processed. |

# Update Sale

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Successfully update a sale | User successfully updates an existing sale with valid product information. |
| Alt: Missing mandatory information | User leaves a mandatory text field blank |
| Alt: Invalid phone number, IMEI or SIM number | User enters phone number, IMEI or SIM number that doesn’t match the validation criteria. |
| Alt: Invalid input format | User enters input such as email, postal code or contact that is invalid or in the wrong format |
| Alt: Employee not authorized | Employee logged into the system is not authorized to update a sale |
| Alt: Price plan and / or Add On and/or Tab amounts are too high or too low | Price plan selected is currently not available or is beyond the acceptable range, and/or add on amount entered is higher than the upper limit allowed for add ons, and/or Tab amount is above the maximum limit |
|  |  |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| AS1 | Successfully update a sale | Calculation | All mandatory fields are filled. Phone number, IMEI and SIM numbers are valid, entries meet format requirements, user is authorized to update a sale, amounts selected are allowed for the sale type. | The sale is updated. Counts of sale type and model sold are updated, sale progress for the store and comparison with sales targets are updated. Phone number, IMEI and SIM numbers are saved again as key for searching the sale, a receipt number is generated for the edited sale and saved. View daily sales page is displayed with the sale updated. |
| AS2 | Missing mandatory information | Simple Validation | One or more mandatory fields are blank. | Error statement “\*Information Missin” is displayed before the “Update” button. Text fields that need to be filled are highlighted with a hint on top of the field.  New sale is not added, no information is updated nor saved. |
| AS3 | Invalid phone number, IMEI or SIM number | Simple Validation | Phone number entered is not 10 digits in length, and/or not a GTA number, and/or if the IMEI is not 15 digits long, and/or the SIM number is not 19 digits long. | Error displaying “Invalid Input” is displayed before the “Update” button, concerned text field(s) is highlighted and reason for the error is displayed next to the text field. |
| AS4 | Invalid input format | Simple Validation | One or more inputs such as emails and phone numbers do not follow the expected format. | Error statement “Invalid Input” is displayed before the “Update” button, concerned text field(s) is highlighted and reason for the error is displayed next to the text field. |
| AS5 | Employee not authorized | Authorization | User doesn’t have persmissions / correct role to perform the use case successfully | Error Message Displayed “You are not authorized to perform this function, contact admin for details”. |
| AS6 | Price plan and/or Tab and/or Add On amounts are too high or too low | Limit | Price plan entered is higher than the maximum amout permitted ($100) or lower than the minimum amount permitted. The Tab amount is more than the maximum limit ($504). The Add On amount is higher than the maximum amount permitted. | Error statement “Invalid Input” is displayed before the “Update” button, concerned text field(s) is highlighted. Error statement indicating the problem with the amount entered is displayed next to the concerned text field. |

# Manage Sales Summary: View Daily Sales Summary / Send Summary Report

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: View daily sales summary report | User views the sales summary report for the day. |
| Alt: Daily sales comparison not available | Sales figures for other outlets not available for comparison |
| Main: Send daily sales summary report | User sends management the sales summary report with the counts and sales totals at the end of the business day. |
| Alt: Email sending fails | Sending report via emails fails |
| Alt: User not authorised | User is not authorized to send sales summary report |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| SS1 | View daily sales summary report | Data Availability | Sum of sales for each category of sale type for the outlet is available, sum of sales for each category of sale type for other outlets is available | Sale figures for each category of sale for each outlet are displayed for the business day. |
| SS2 | Daily sales comparison not available | Data Availability | Sales figures for one or more category of sale for one or more outlets are not available. | Sale figures for each category of sale for each outlet are displayed for the business day. If a sales figure is not available, “Not Available” is displayed. |
| SS3 | Send daily sales summary report | Connectivity | Internet connection is available, email addresses set into the system are valid and active, email client-server connectivity is good | Daily sales summary report is sent to the management, confirmation message is displayed. |
| SS4 | Email sending fails | Connectivity | Internet connection is not available, and/or one or more email addresses set into the system are invalid or not active, and/or email client-server connectivity is poor | Daily sales summary report is not sent to the management, error message is displayed “Report sending Failed, please check your internet connection and try again”. |
| SS5 | User not authorised | Authorization | User doesn’t have permissions / correct role to perform the use case successfully | Error Message Displayed “You are not authorized to perform this function, contact admin for details”. |

# Manage Sales: View Periodic Sales / View Sale Detail / Delete Sale / Get Receipt - (ADMIN)

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Successfully view sales list for the selected period | User views the list of sales for the period of time selected |
| Alt: No sales to view | There are no sales to display for the time period |
| Alt: Too many sales for the page | The pages displays less number of sales than the number of sales for the period |
|  |  |
| Main: View Sale Detail | User views details of a particular sale from the list sales |
| Main: Delete Sale | User successfully deletes a particular sale from the list of sales |
| Alt: “Go Back” option | User decides not to delete the sale and chooses the “Go Back” option |
| Alt: User not authorized to delete | User is not authorized to delete any sales |
|  |  |
| Main: Get Receipt Code | Get the receipt code for a particular sale on the list of sales |
| Alt: Unable to generate receipt code | System fails to generate the receipt code for the updated sale |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| VSA1 | Successfully view sales list for the selected period | Data Availability | Sale Id, user’s name, phone number, phone model, IMEI#, SIM# and Sale type are available for every sale added during the time period selected | Sale Id, user’s name, phone number, phone model, IMEI#, SIM# and Sale type are displayed for every sale added during the selected period with most recent sale on top. |
| VSA2 | No sales to view | Data Availability | No Sale Id, user’s name, phone number, phone model, IMEI#, SIM# and Sale type are available for the time period selected | Table is empty and a message is displayed “No Sales to show for the time period” |
| VSA3 | Too many sales for the page | Calculation | Number of sales added during the time period selected are higher than the number of rows in the table displayed. | Most recent sales of the day are displayed immediately. “Pagination” appears below the table allowing user to move to the next list of sales. |
| VSA4 | View Sale Detail | Data Availability | Customer information and product information for the sale selected is retrieved from database. | Customer information and product information for the sale selected displayed. |
| VSA6 | Delete Sale | Data Availability | Customer information and product information for the sale selected retrieved from database. | Customer information and product information for the sale selected displayed.  Sale removed from list of sales upon confirmation. “View sales for the period” is displayed without the deleted sale. |
| VSA7 |  | Calculation | Customer information and product information for the sale selected retrieved from database. | Sale removed from list of sales upon confirmation. “View sales for the period” is displayed without the deleted sale.  Counts deducted for the product and model type from the model trends and Sales progress. |
| VSA8 | Go Back Option | Business Rule | Customer information and product information doesn’t matter. | No changes are saved. Return to “View sales for the period” with the sale displayed unchanged |
| VSA9 | User not authorized | Authorization | User’s permissions and/or role not same as the permissions required and/or role required to delete a sale. | Error message displayed “You are not authorized to perform this function, please contact Admin for details” |
| VSA10 | Get Receipt Code | Business Rule | System generates a unique receipt code for the sale which can be copied to the clipboard by the user | Dialog box appeared with the receipt code and gives option to copy the code to the clipboard |
| VSA11 | Unable to generate receipt code | System Error | Get receipt button fails to generate a new receipt code. | Receipt code is shown as a blank when “get receipt” button is clicked. |

# View Model Trend (ADMIN)

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Successfully view model trends and counts | User successfully views the counts of different handset models sold during the selected time period |
| Alt: Display “returned” option | User views only the counts of handsets that have been returned |
| Alt: Display “deleted” option | User views only the counts of handsets from sales that have been deleted |
| Alt: View All option | User views counts of all the handsets including deleted and returned handsets |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| VM1 | Successfully view model trends and counts | Calculation | Sums of sale counts of each model type for the period of time selected, for each store. Total sum of the counts of all the models sold during the time period. Sums do not include returned handsets or deleted sales by default | Table displays counts of each model sold by each store location during the time period and the total sale count across locations |
| VM1 | Display “returned” option | Data Availability | Sums of return counts of each model type for the period of time selected, for each store. Total sum of the counts of all the models returned during the time period. Sums do not include not-returned handsets or deleted sales. | Table displays counts of each model returned at each store location during the time period and the total return count across locations |
| VM2 | Display “deleted” option | Data Availability | Sums of deleted sales for each model type for the period of time selected, for each store. Total sum of the counts of all sales deleted for each model during the time period. Sums do not include returned handsets or completed deleted sales. | Table displays counts of sales deleted for each model for each store location during the time period and the total deleted sales count across locations |
| VM3 | View All Option | Data Availability | Sums of counts of each model type for the period of time selected, for each store. Total sum of the counts of all the models sold, returned or deleted during the time period. Sums include returned handsets, deleted sales and completed sales | Table displays counts of each model sold, returned or sales deleted for each store location during the time period and the total count across locations |

# Manage Sales Targets: Set Sales Targets / View Sales Progress (ADMIN)

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Successfully set sales targets | User (Admin) successfully sets sales targets and accessory targets for a month for all employee users. |
| Alt: Month selected has passed | Month selected to set targets has already passed |
| Alt: Targets have to be revised | User needs to revise previously set sales targets |
| Alt: User not authorized | User not authorized to set or revise targets |
|  |  |
| Main: View Sales Progress | User (Admin) views sales progress of all employees for the month selected |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| ST1 | Successfully set sales targets | Set Data | Set values for sales targets and accessory targets for each employee user | Sales targets table displays the set values for sales targets and accessory targets for each employee user. |
| ST2 | Month selected has passed | Simple Validation | Month and year selected was before the current month and year | Display error message “This month has passed, Cannot set targets”  Table does not display any values |
| ST3 | Targets have to be revised | Set Data | Set new values for sales targets and accessory targets for the employees to be updated | Sales targets table displays the new set values for sales targets and accessory targets for the employees updated. |
| ST4 | User not authorized | Authorization | User doesn’t have permissions / correct role to perform the use case successfully | Error Message Displayed “You are not authorized to perform this function, contact admin for details”. |
| ST5 | View Sales Progress | Data Availability | Total sales target for each employee, completed sales for the month for each employee and percentage of sales completed. | Sales progress table displays the sales target for each employee, completed sales for the month for each employee and percentage of sales completed. |
| ST6 |  | Calculation | Total sales target for each employee, completed sales for the month for each employee and percentage of sales completed. | Sales progress table displays the sales target for each employee, completed sales for the month for each employee and percentage of sales completed. |