**MAKK**

**Banking and Money Transfer System**

**Test Procedure**

**Revision History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Authors** | **Description of Change** | **Sections** | **Rev** | **Date** |
| Kenny Chao | Initial Test Procedure | All except section 2.1 and 4 | 0 | 4/24/18 |
|  |  |  |  |  |

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# Team Description

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# Introduction

The MAKK Banking and Money Transfer System will allow users to overlook their finances with an executable program.

This application will:

* Allow the user to create an online bank account
* Allow the user to see their balance in their account
* Allow user to manage their account
* Allow user to manage their debit cards

## Identification

|  |  |
| --- | --- |
| **Requirement Document Tested:** |  |
| **Requirement Document Revision:** |  |
| **Revision Release Date:** |  |

# Test Procedures

## Display Console Window

Description: Display login menu

Precondition:

1) Have MAKK Banking program installed

|  |  |  |  |
| --- | --- | --- | --- |
| **Step Number** | **Action** | **System Response** | **Requirement Tested**  **(if applicable)** |
| 1 | Start up program | Login window opens up  Login Option is displayed on the top of the console window  Logout Option is displayed below of the Login Option  Account Creation Option is displayed below of the Logout Option |  |

## Account Creation

Description: The system shall support the creation of accounts for users to deposit or transfer funds when all the following mandatory fields have been entered

Precondition:

1) User chooses Account Creation Option

|  |  |  |  |
| --- | --- | --- | --- |
| **Step Number** | **Action** | **System Response** | **Requirement Tested**  **(if applicable)** |
| 1 | User chooses field to complete |  |  |
| 2 | User fills in all fields, and then presses enter | Saves first and last name  Saves Street Address  Saves City  Saves Zip Code  Saves Email Address  Saves Social Security Number  Saves Account User Name  Saves Valid Password | RID – 0201  RID – 0202  RID – 0203  RID – 0204  RID – 0205  RID – 0206  RID – 0207  RID – 0208 |
| 3 | Program checks if all fields entered in by user are valid | Checks if password matches all parameters | RID – 0209 |

## User Login

Description: The system shall allow users to login into their account when the user inputs their account user name and password correctly

Precondition:

1) User chooses User Login Option

|  |  |  |  |
| --- | --- | --- | --- |
| **Step Number** | **Action** | **System Response** | **Requirement Tested**  **(if applicable)** |
| 1 | User fills in username and password field | System checks if the username and password entered match | RID - 0301 |
| 2 | User is logged into account |  |  |

## User Log Out

Description: The system shall allow users to log out of their actively signed-in account.

Precondition: None

|  |  |  |  |
| --- | --- | --- | --- |
| **Step Number** | **Action** | **System Response** | **Requirement Tested**  **(if applicable)** |
| 1 | User chooses Log Out Option | System logs user out of account | RID – 0401 |
| 2 | User clicks on exit button on top tight corner of window | Program closes while user is still logged in | RID - 0402 |

## 3.5 Edit Account Information

Description: The system shall allow users to edit their address or password when the user is logged in and inputs their password again correctly.

Precondition:

1) User must be inside the Account page already

|  |  |  |  |
| --- | --- | --- | --- |
| **Step Number** | **Action** | **System Response** | **Requirement Tested**  **(if applicable)** |
| 1 | User chooses Edit Account Option | System sends user to Edit Account Page |  |
| 2 | User fills out desired field(s) to be changed and saved | System changes the desired field(s) and saves them | RID - 0501 |

## 3.6 Transfer Funds to Account

Description: The system shall allow users to transfer a specified amount of funds to another.

Precondition: None

|  |  |  |  |
| --- | --- | --- | --- |
| **Step Number** | **Action** | **System Response** | **Requirement Tested**  **(if applicable)** |
| 1 | User chooses Transfer Funds Option | System sends user to Transfer Funds page |  |
| 2 | User fills in desired recipient and desired amount to transfer | Program checks and saves the username  Program checks and saves the amount  Program makes sure that amount entered does not exceed current balance | RID – 0601  RID – 0602  RID - 0603 |

## 3.7 Deposit Funds into Account

Description: The system shall allow users to deposit funds into their account.

Precondition:

1) User chooses Deposit Funds Option

|  |  |  |  |
| --- | --- | --- | --- |
| **Step Number** | **Action** | **System Response** | **Requirement Tested**  **(if applicable)** |
| 1 | User enters in their name, desired amount, and debit card number | System checks if all fields are correct and that debit card entered is active  System deposits desired amount into account | RID – 0702  RID – 0701 |

## 3.8 Debit Card Request

Description: The system shall allow users to request a new, deactivated debit card for their account.

Precondition:

1) User chooses Request Debit Card Option

|  |  |  |  |
| --- | --- | --- | --- |
| **Step Number** | **Action** | **System Response** | **Requirement Tested**  **(if applicable)** |
| 1 | User enters in address associated with account where debit card can be sent | System checks if address is valid and number of debit cards linked to account does not exceed 2 | RID – 0801  RID – 0802 |

## 3.9 Enable Debit Card

Description: The system shall allow users to enable an inactivated debit card.

Precondition:

1) User chooses Enable Debit Card Option

|  |  |  |  |
| --- | --- | --- | --- |
| **Step Number** | **Action** | **System Response** | **Requirement Tested**  **(if applicable)** |
| 1 | User enters in desired debit card number to activate | System checks if the debit card number entered in is linked to the user’s account  System activates debit card with the number user entered | RID - 0901 |

## 3.10 Debit Card Cancellation

Description: The system shall allow users to cancel a debit card for their account.

Precondition:

1) User chooses Cancel Debit Card Option

|  |  |  |  |
| --- | --- | --- | --- |
| **Step Number** | **Action** | **System Response** | **Requirement Tested**  **(if applicable)** |
| 1 | User enters in desired debit card number to cancel | System checks if the debit card number entered is linked to the user’s account  System deletes debit card from account | RID – 1001 |

## 3.11 Display Alerts

Description: The system shall present notifications to the user.

Precondition:

1) User is on desired page

|  |  |  |  |
| --- | --- | --- | --- |
| **Step Number** | **Action** | **System Response** | **Requirement Tested**  **(if applicable)** |
| 1 | User is on Deposit Funds Page |  |  |
| 2 | User enters fills in amount to deposit  And amount exceeds current balance | System sends user an error and prevents user from depositing funds | RID – 1101 |
| 3 | User is on Transfer Funds Page |  |  |
| 4 | User enters in all fields | System checks all fields and if there are no errors, displays statement that transfer was successful  System checks all fields and if there is at least 1 error, displays that transfer is denied | RID – 1102  RID – 1103 |
| 5 | User is on Login Page |  |  |
| 6 | User fills in username and password fields and presses the enter button | System checks all fields and if there are no errors, displays statement that login was successful  System checks all fields and if there is at least one field that is invalid, displays statement that login is unsuccessful | RID – 1104 |
| 7 | User is on Edit Account Page |  |  |
| 8 | User makes edits to desired field(s) and saves changes | System displays statement confirming that desired changes were saved | RID - 1105 |
| 9 | User is on Edit Debit Cards Page |  |  |
| 10 | User requests a new debit card  User chooses debit card to activate  User chooses debit card to deactivate  User chooses debit card to cancel  User requests a new debit card but has already exceeded maximum number of debit cards allowed | System displays statement to request has been accepted  System displays statement that debit card has been activated  System displays statement that debit card has been deactivated  System displays statement that debit card has been cancelled  System displays statement that number of debit cards has been reached | RID – 1106  RID – 1107  RID – 1108  RID – 1109  RID – 1110 |

# Verification Cross Reference Matrix

|  |  |
| --- | --- |
| **Requirement Identifier** | **Where Tested** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
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