**<MAKK>**

**<Banking and Money Transfer System>**

**Written Requirements**

**Revision History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Authors** | **Description of Change** | **Sections** | **Rev** | **Date** |
| Alexander Truong | Initial Written Requirements | All | 0 | 2/27/18 |
| Alexander Truong | Deleted section 3.2.3, revised section 3.6 for better clarification and deleted unnecessary terms | Terms,  3.2.3,  3.6 | 1 | 3/6/18 |
| Alexander Truong | Deleted Pay Bills requirements section and added Enable Debit Card, Debit Card Cancellation, Request Debit Card, User Log In, and User Log Out requirements | 3.3, 3.4, 3.8, 3.9, 3.10 | 2 | 3/12/18 |
| Alexander Truong | Fixed, revised, and clarified sections according to team members’ reviews | Terms, 3.1, 3.5, 3.8.1, 3.11 | 3 | 3/14/18 |
| Maxfield Wilhoite | Added Professor Graham’s Suggestions | 3.1. 3.3, 3.3.1, 3.5, 3.5.1, 3.6, | 4 | 4/2/2018 |

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# Team Description

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# Terminology

The following table defined terms used within this document.

|  |  |
| --- | --- |
| **Term** | **Definition** |
| Account | Record and description of the user’s personal information; the user creates an alias to log into to deposit or transfer funds |
| Activation | Turn on; allows something to be used |
| Banking System | Electronic bank where users can deposit their funds to or transfer their funds from |
| Deactivation | Turn off; does not allow something to be used |
| Deposit Funds | Funds the user puts into the banking system to be kept |
| Recipient | The person who is presented with the funds transferred from the user |
| Successful | When a requirement has been fulfilled |
| Transfer Funds | Moving funds from one place to another |
| Unsuccessful | When a requirement has not been fulfilled |
| User | The person who is using the application; the consumer |

# Banking and Money Transfer System

${"#section":{"features":["News Reader Installed"]}}$

## <Overview>

The Online Banking System Program allows the user to deposit and transfer funds between linked accounts as well as create debit cards. The banking system allows the user to perform the following actions:

* Account Creation
* User Login
* User Log Out
* Edit Account Information
* Transfer Funds from Account
* Deposit Funds into Account
* Debit Card Request
* Enable Debit Card
* Debit Card Cancellation
* Display Alerts

## <Account Creation>

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

* first and last name, RID-XXX1
* street address, RID-XXX2
* city, RID-XXX3
* zip code, RID-XXX4
* e-mail address, RID-XXX5
* social security number, and RID-XXX6
* account user name RID-XXX7
* valid password RID-XXX8

### <Password Created>

The user’s valid password shall consist of at least 4 characters long and contains at least one digit.

## <User Login>

The system **shall** allow users to log in to their account they have created when the user inputs their account user name and password chosen for the account correctly.

## <User Log Out>

The system **shall** allow users to log out of their account they have signed in on when one of the following conditions are met:

### <Logout>

The user prompts the system to log themselves out of their account.

### <Close Program>

The user closes the program while the user is still logged into the system.

## <Edit Account Information>

The system **shall** allow users to edit their account information requesting user input for the correct password for the account they are logged into.

## <Deposit Funds into Account>

The system **shall** allow users to deposit funds into their account when the following conditions are met:

### <Card Deposit>

The user enters their debit or credit card information to deposit funds into their account.

## <Transfer Funds to Account>

The system **shall** allow users to transfer a specified amount of funds to another account when all the following conditions are met:

### <Enter Recipient>

The user enters a recipient to transfer funds to.

### <Enter Fund Amount>

The user specifies an amount of funds to transfer the funds to the recipient.

## <Debit Card Request>

The system **shall** allow users to request a debit card for their account when all the following conditions are met:

### <Address is Registered in Account>

The user provides an address that is associated with the account where the card can be sent to.

### <Debit Card Limit Not Exceeded>

The user does not have the maximum number of two debit cards allowed for his account.

## <Enable Debit Card>

The system shall allow users to enable a requested debit card when all the following conditions are met:

### <Debit Card Number Correctly Entered>

The user activates the debit card using the 16-digit number located on the debit card

## <Debit Card Cancellation>

The system **shall** allow users to cancel a debit card for their account when the following condition is met:

### <User Requests Cancellation>

The user sends a request of cancellation to the system to cancel their debit card.

## <Display Alerts>

The system **shall** display notifications to the user when any of the following conditions are met:

### <Successful Deposit>

The user shall receive a notification if their funds are successfully deposited into their account.

### <Unsuccessful Deposit>

The user shall receive a notification if their funds are unable to deposit into their account.

### <Successful Transfer>

The user shall receive a notification if their funds are sent to the recipient the user has entered to transferred funds to.

### <Unsuccessful Transfer>

The user shall receive a notification if their funds are unable to transfer to the recipient the user has entered to transfer the funds to.

### <Unsuccessful Login>

The user shall receive a notification when a login attempt to their account has failed.

### <Account Information Changes>

The user shall receive a notification when changes to their account has been made.

### <Debit Card Request>

The user shall receive a notification once a debit card has been requested.

### <Debit Card Activation>

The user shall receive a notification once a debit card has been activated.

### <Debit Card Deactivation>

The user shall receive a notification if their debit card has been deactivated.