**<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 |

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# Team Description

|  |  |
| --- | --- |
| **Team Member Name** | **Email Address** |
| Maxfield Wilhoite | [maxw@csu.fullerton.edu](mailto:maxw@csu.fullerton.edu) |
| Kiren Syed | [kirensyed@csu.fullerton.edu](mailto:kirensyed@csu.fullerton.edu) |
| Alex Truong | [Alexbt1992@csu.fullerton.edu](mailto:Alexbt1992@csu.fullerton.edu) |
| Kenny Chao | [kchao@csu.fullerton.edu](mailto:kchao@csu.fullerton.edu) |
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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 |
| Password | A key that is necessary for users to access their account; generated by the user |
| 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 banking system allows the user to perform the following actions:

* Account Creation
* Edit Account Information
* Deposit Funds into Account
* Transfer Funds to Account
* Regulate Minimum Balance
* Send Email Alerts

## <Account Creation>

The system **shall** support creation off accounts for users to deposit or transfer funds when all the following conditions are met:

### <Personal Information Correct>

The user inputs their current first and last name, address, e-mail address, city, zip code, social security number, and account user name.

### <Password Created>

The user provides a password that is 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 all the following conditions are met:

### <User Account Name and Password Correct>

The user inputs their account user name and their 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 when all the following conditions are met:

### <Account User Name Correct>

The user inputs their correct account user name.

### <Account Password Correct>

The user inputs the correct password for the account they are logging into.

## <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.

## <Deposit Funds into Account>

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

### <Debit Card Deposit>

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

### <Credit Card Deposit>

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

## <Debit Card Request>

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

### <Address Exists>

The user provides an existing address where the card can be sent to.

### <Debit Card Limit Not Exceeded>

The user does not have the maximum number of 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 has contacted personnel to cancel or sends a request of cancellation to the system to cancel their debit card.

## <Send Email Alerts>

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

### <Successful Deposit>

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

### <Unsuccessful Deposit>

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

### <Successful Transfer>

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

### <Unsuccessful Transfer>

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

### <Account Information Changes>

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

### <Debit Card Request>

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

### <Debit Card Activation>

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

### <Debit Card Deactivation>

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