**Use cases:**

Creating an account

Depositing money

Withdrawing money

Viewing the number of accounts a user has

**Use case for creating an account**

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| **Step** | **User’s Actions** | **System’s Response** |
| 1. | User enters their name into the system. |  |
| 2. |  | A menu is displayed prompting the user to input what type of account they have. |
| 3. | User enters what type of account they have, 0 for savings and 1 for checking. |  |
| 4. |  | System sets the type of account based on the users input. |
| 5. |  | System attempts to add the account, if the user already exists then it states that an account was unable to be made otherwise the system creates the user an account. |
| 6. |  | States the user is a new user and asks for the users address. |
| 7. | User inputs their address into the system. |  |
| 8. |  | System asks for the user’s telephone number. |
| 9. | User inputs their telephone number into the system. |  |
| 10. |  | System asks for the users age. |
| 11. | User inputs their age into the system. |  |
| 12. |  | System displays a menu asking the user what type of customer they are. Either adult, senior, or student. |
| 13. | User inputs what type of customer they are. |  |
| 14. |  | System sets the type of customer for the user based on their input. |
| 15. |  | System adds account to the list of accounts. And displays the users new account ID. |

**Use case for a deposit**

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| **Step** | **User’s Actions** | **System’s Response** |
| 1. | User enters their account ID and the amount of money they would like to deposit. |  |
| 2. |  | The bank program is started, and it determines if the users account exists. If it does exist it moves onto the next step, if the users account does not exist then it returns null. |
| 3. |  | The account program is started, and the money is deposited into the balance of the users account. |

**Use case for a withdrawal**

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| **Step** | **User’s Actions** | **System’s Response** |
| 1. | User enters their account ID and the amount of money they would like to withdraw. |  |
| 2. |  | The bank program is started, and it determines if the users account exists. If it does exist, it moves to the next step. If the users account does not exist, then it returns null. |
| 3. |  | The account program is started, and the money is withdrawn from the users account and subtracted from their total balance. |

**Use case for viewing number of accounts associated to a customer**

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| **Step** | **User’s Actions** | **System’s Response** |
| 1. | The user enters their name into the system. |  |
| 2. |  | Finds all accounts associated with the user’s name. |
| 3. |  | Iterates through the list of accounts the user has, stating each accounts balance and its ID |
| 4. |  | States the total number of accounts the user has. |