**Use Cases**

**Use Case: Log In**

|  |  |  |
| --- | --- | --- |
| Steps | User's Actions | System Response |
| 1 | Enter Card |  |
| 2 |  | System prompts for pin |
| 3 | Enter Pin |  |
| 4 |  | Verify User |
| 5 |  | System starts session |
| 6 |  | System directs user to main menu  1. Withdrawal  2. Logout |

**Variation #1:** User enters invalid password

1.1. Starts at step 3.  
 1.2. User enters invalid password.  
 1.3. -System gives user one less try (total 3).  
 -System keeps card  
 -System displays error "Call bank".

**Variation #2:** User enters expired card

2.1. Starts at step 1.  
 2.2. User enters expires card.  
 2.3. -System displays error message.   
 -System dispenses card.

**Use Case: Withdrawal**

|  |  |  |
| --- | --- | --- |
| Steps | User's Actions | System Response |
| 1 | User presses #1 to Withdrawal |  |
| 2 |  | System displays Menu:  1. Checking  2. Saving |
| 3 | User chooses option |  |
| 4 |  | System Displays Balance |
| 5 |  | System Requests withdrawal amount |
| 6 | User Enters amount |  |
| 7 |  | System verifies with Bank computer |
| 8 |  | System Dispenses Money |
| 9 | User Takes money |  |
| 10 |  | System redirects to main menu |

**Variation #1:** Withdrawal amount exceeds limit

1.1. Starts at step 6  
 1.2. User withdraws amount not within the pre-defined transaction limit.  
 1.3 Redo transaction (Step 5).

**Variation #2:** Withdrawal amount exceeds limit

1.1. Starts at step 6  
 1.2. User withdraws amount not within the pre-defined transaction limit.  
 1.3 Redo transaction (Step 5).

**Use Case: Log out**

|  |  |  |
| --- | --- | --- |
| Steps | User's Actions | System Response |
| 1 | User presses #2 to Log out |  |
| 2 |  | System Ends session |
| 3 |  | Dispenses Card |

**Overall Variation #1: User unresponsive/ not logging out**

1.1 Starts at anytime  
 1.2 User not responding  
 1.3 Automatically end session and spits card out