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| General Information | |
| Use Case Number : 01  Use Case Name : Withdraw Money  Subject Area : Bank Transactions  Description : Use will withdraw money from their account | Responsible Analyst : Caldwell |

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| Requirements/Feature Trace | |
| **REQ#** | Requirements Name and / or Short Description |
| 2 | User must be able to withdraw money from their account |
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| Revision History | | |
| Author | **Date** | **Comments** |
| Caldwell | 9/28/16 | First draft |
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| **Insertion Points in other Use Cases** | | |
| Use Case Name | **Use Case Number** | **Step Inserted After** |
| N/A |  |  |
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| **Actors** | | |
| **Actor Name** | **Person/System** | **Brief Description** |
| Bank Customer | Person | Performs basic bank transactions |
| Bank Manager | Person | Additionally Performs account CRUD functions per branch |
| Bank President | Person | Additionally Performs account CRUD functions across branches |

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| **Pre-Conditions** | |
| # | Description |
| 1 | Bank Customer has a valid bank account somewhere |
| 2 | Welcome Screen is displayed |

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| **Start Stimulus** |
| Customer hits the enter key |

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| **Use Case Main Course Steps** | | | |
| **Number** | **Description** | **Adds/Alt Name/Number** | **Bus Rule#** |
| 1 | Customer hits the enter key |  |  |
| 2 | System prompts for language |  |  |
| 3 | Customer selects language |  |  |
| 4 | System prompts to swipe card |  |  |
| 5 | Customer swipes card |  |  |
| 6 | System prompts for pin |  |  |
| 7 | Customer enters pin |  |  |
| 8 | System prompts for TX type |  |  |
| 9 | Customer enter TX type of Withdraw |  |  |
| 10 | System prompts for amount |  |  |
| 11 | Customer enters amount |  |  |
| 12 | System dispenses cash |  |  |
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| **Exception Conditions** | | |
| **Exception Situations** | **Action(s) on Exception** | **Adds\Alt UC #** |
| User Enters Invalid Pin | Display error msg, then redisplay Enter Pin prompts (max 3 times) |  |
| Insufficient Funds | Display error msg, then redisplay Enter Amount Prompts (maxs 3 times) |  |

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| Post-Conditions | |
| **#** | **Description** |
| 1 | Bank Customer has cash |
| 2 | System is displaying welcome screen |

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| **Candidate Objects** | | |
| **Class/Object Name** | **Descriptions** | **Possible**  **attributes** |
| Account | Holds account information | Acct#, Branch, Routing # |
| Customer | Holds customer information | Name, SSN, Address |

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| **Assumptions** | | | | | |
| **#** | **Assumption** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | English, Spanish, Japanese | 10/3/16 | Caldwell |  |  |
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| **Issues** | | | | | |
| **#** | **Issue** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | No business rule for dispensing cash |  |  |  |  |
| 2 | No kiosk available for testing |  |  |  |  |

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| **Other Comments** | | |
| **Author** | **Comment** | **Date** |
| Caldwell | After 3 retries, system places the account on hold | 10/3/16 |
| Caldwell | Average withdraw is 200 dollars | 10/3/16 |

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| Frequency of Execution |
| **Frequency:**  Minimum: 50 Maximum: 500 Average: 200 (OR)Fixed:  **Per:** Hour:Day:  Week:  Month:  Other: |

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| **Timing Information** | | | | | | | |
| **#** | **At/**  **Between** | **Step(s)** | **Timing**  **Unit** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | 7,8 |  | seconds |  | 2 | 5 | Don’t want customer to walk away |
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| **Volume Information** | | | | | | |
| **#** | **Step #** | **Unit of**  **Measure** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | 7 | bytes |  |  |  |  |
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| **Alternate Course General Information** |
| Alternate Course Name:  Alternate Course Number:  Parent Use Case Name:  Parent Use Case Number:  Description:  Reason for Execution: Non Exception:  Exception: |

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| Insertion Point |
| Step Inserted After |
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| Pre-Conditions | |
| 1. |  |
| 2. |  |

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| Alternate Course Steps | | | |
| **#** | **Step Description** | **Adds Use Case #** | **Business Rule(s)#** |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |

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| Post-Conditions | |
| 1. |  |
| 2. |  |