Take any system (e.g. ATM system) and study its system specifications and report the various bugs.

**Features to be tested:**

* 1. Validity of the card.
  2. Withdraw Transaction flow of ATM.
  3. Authentication of the user’s.
  4. Dispense the cash from the account.
  5. Verify the balance enquiry.
  6. Change of PIN number.

**Bugs Identified:**

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| **Bug-Id** | **Bug Name** |
| ATM\_001 | Invalid Card |
| ATM\_002 | Invalid PIN |
| ATM\_003 | Invalid Account type |
| ATM\_004 | Insufficient Balance |
| ATM\_005 | Transaction Limit |
| ATM\_006 | Day limit |
| ATM\_007 | Invalid money denominations |
| ATM\_008 | Receipt not printed |
| ATM\_009 | PIN change mismatch |

**Bug Report:**

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| **Bug Id:** ATM\_001 |
| **Bug Description:** Invalid card |
| **Steps to reproduce:** 1. Keep valid card in the ATM. |
| **Expected Result:** Welcome Screen |
| **Actual Result:** Invalid card |
| **Status :** Pass/Fail |

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| **Bug Id:** ATM\_002 |
| **Bug Description:** Invalid PIN entered |
| **Steps to reproduce:**   1. Keep a valid card in ATM. 2. Enter the authorized PIN. 3. Menu screen should be displayed. |
| **Expected Result:** Menu screen displayed |
| **Actual Result:** Invalid PIN screen is displayed |
| **Status :** Pass/Fail |

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| **Bug Id:** ATM\_003 |
| **Bug Description:** Invalid Account type selected. |
| **Steps to reproduce:**   1. Enter a valid user PIN number. 2. Select the withdraw option on the main menu. 3. Choose the correct type of account (either savings or current account). |
| **Expected Result:** Enter the Amount screen displayed |
| **Actual Result:** Invalid Account type screen is displayed. |
| **Status :** Pass/~~Fail~~ |

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| **Bug Id:** ATM\_004 |
| **Bug Description:** Insufficient Balance |
| **Steps to reproduce:**   1. Menu screen should be displayed. 2. Select the withdraw option. 3. Select the correct type of account. 4. Enter the sufficient amount to withdraw from the account. 5. Dispense the cash screen & amount to be deducted from account |
| **Expected Result:** Collect the amount screen displayed |
| **Actual Result:** Insufficient balance in the account |
| **Status :** Pass/~~Fail~~ |

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| **Bug Id:** ATM\_005  **Bug Description:** Withdraw Limit per transaction.  **Steps to reproduce:**   1. Menu screen should be displayed. 2. Select the withdraw option. 3. Select the correct type of account. 4. Enter sufficient amount to withdraw from the account Transaction within the limit. 5. Dispense the cash screen & amount to be deducted from account.   **Expected Result:** Cash is dispensed and collect the receipt **Actual Result:** Transaction limit exceeded screen is displayed **Status :** Pass/Fail  **Bug Id:** ATM\_006  **Bug Description:** Withdraw limit per day  **Steps to reproduce:**   * 1. Keep a valid card in ATM.   2. Enter the authorized PIN.   3. Enter the amount to withdraw from the account.   4. Amount enter is over the day limit (>40000)   5. Amount enter is over the day limit and display screen is displayed.   **Expected Result:** Cash is dispensed and collect the receipt.  **Actual Result:** Day limit exceeded screen is displayed.  **Status :** Pass/Fail | |
|  | **Bug Id:** ATM\_007 |
| **Bug Description:** Amount enter denominations |
| **Steps to reproduce:**   1. Keep a valid card in ATM. 2. Enter the authorized PIN. 3. Enter the amount which should be in multiples of 100. 4. Cash Dispenser screen is displayed. |
| **Expected Result:** Collect the amount screen is displayed. |
| **Actual Result:** Amount enter not in required denominations. |

**Status :** Pass/Fail

**Bug Id:** ATM\_008

**Bug Description:** Statement not printed

## Steps to reproduce:

1. Keep a valid card in ATM.
2. Enter the authorized PIN.
3. Select the mini statement.
4. Current balance is displayed on the screen.
5. Collect printed receipt of the statement.

**Expected Result:** Collect the mini statement receipt

**Actual Result:** receipt not printed.

**Status :** Pass/Fail

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| **Bug Id:** ATM\_009 |
| **Bug Description:** PIN mismatch |
| **Steps to reproduce:**   1. Keep a valid card in ATM. 2. Enter the authorized PIN. 3. Select the change PIN option on the menu. 4. Enter the current PIN. 5. Enter the new PIN. 6. Retype the new PIN 7. PIN successfully changed displayed on the screen. |