Assignment 1 – Exploratory Testing

TEST PLAN

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Version History

Version #	Write By	Revision Date	Approved By	Approval Date	Outline
1.0	Michele Dylan Faisal Cheyenne	2022/01/22	Michele Dylan Faisal Cheyenne	2022/01/22	Test Plan Creation

INTRODUCTION

The Test Plan is designed to prescribe the scope, approach, resources, and schedule of all testing activities of the simulated Automated Teller Machine (ATM) system.

The plan identifies the items to be tested, the features to be tested, the types of testing to be performed, the personnel responsible for testing, and the resources and schedule required to complete testing.

1   TEST STRATEGY

1.1   Scope of Testing

1.1.1   Features to be tested

The high-level requirements stated in the assignment outline appendix.

Module Name	Description
System Power Button	Program starts when the "ON" button is clicked. If program is already running, the ATM shuts down when the "OFF" button is pressed.
System Log	Shows the Log of recent transactions
Receipt Printer	Copy of transaction is printed when the "Take receipt" button is pressed, and the following relevant information is displayed: date, time, machine location, type of transaction, account(s), amount, and ending and available balance(s) of the affected account ("to" account for transfers)
Card and PIN validation	Program must be able to detect and validate Customer's Card and PIN and give an appropriate error message in case of unsuccessful attempts. If the customer is unable to successfully enter the PIN after three tries, the card will be permanently retained by the machine, and the customer will have to contact the bank to get it back.
Withdraw	Customer must be able to make a cash withdrawal from any suitable account linked to the card, in multiples of $20.00.
Deposit	Customer can deposit money into whichever their own account they decide
Money transfer between accounts (9)	Customer must be able to make a transfer of money between any two accounts linked to the card.
Cancel transaction	Customer must be able to abort a transaction in progress by pressing the Cancel key instead of responding to a request from the machine.
Balance Inquiry	Customer must be able to make a balance inquiry of any account linked to the card.

1.1.2   Features not to be tested

Features related to hardware or connections to the bank, or its database are not to be included in the scope of the assignment.

1.2   Test Type

This plan appertains to Exploratory Testing of the ATM System, through the .jar file provided.

1.3   Test Logistics

1.3.1   Who will test?

Tests will be run in 2 group pairs, consisting of the members of this plan.

1.3.2   When will tests occur?

Tests will be run anytime from 2022-01-22 to 2022-01-27, at any point where a pair group is available.

2   TEST OBJECTIVE

The test objectives are to verify the functionality of the ATM System, which entails the deposit, withdrawal, query, and transfers of funds to and from a user's hypothetical bank account(s).

3   TEST DELIVERABLES

Test deliverables are provided as below

3.1   Before Testing

- Test Plan Documents

3.2   During Testing

- Backlog defect tracking system

3.3   After Testing

- Lab Report
- Virtual Demo