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**FACULTY OF COMPUTER SYSTEMS & SOFTWARE ENGINEERING**

**BCS3323**

**SOFTWARE TESTING & MAINTENANCE**

Labsheet 2

Prepared By:

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| **TestID** | **Use Case** | | **Function Being Tested**  **OR Test Condition** | **Initial System State** | **Input** | | | **Expected Output** | **Actual results** | **Test Status** | |
| F001-REQ\_F101\_T001 | System Startup | | System is started when the switch is turned "on" | System is off | Activate the "on" switch | | | System requests initial cash amount | System requests initial cash amount | Pass | |
|  | System Startup | | System accepts initial cash amount | System is requesting cash amount | Enter a legitimate amount | | | System is on | System request to insert card | Pass | |
|  | System Startup | | Connection to the bank is established | System has just been turned on | Perform a legitimate inquiry transaction | | | System output should demonstrate that a connection has been established to the Bank | System display a request to insert initial cash amount | Pass | |
| F002-REQ\_F201\_T001 | Session | | System accepts the card | System request to insert card | Insert card | | | System accepts the card | System request to enter card number | Pass | |
|  | Session | | System accepts card number | System request to enter PIN number | Enter PIN | | | System displays a menu of transaction types | System request to choose transaction type | Pass | |
| F003-REQ\_F301\_T001 | Withdrawal | | System displays menu of transaction types | System request transaction type | User choose Withdrawal | | | System display which account to be withdrawn from | System request to choose which account to be withdrawn from | Pass | |
|  | Withdrawal | | System displays which account to withdraw from | Menu of account type is being displayed | User choose Checking | | | System shows amount to be withdrawn | System requests amount to be withdrawn | Pass | |
|  | Withdrawal | | System displays which account to withdraw from | Menu of account type is being displayed | User choose Savings | | | System shows amount to be withdrawn | System requests amount to be withdrawn | Pass | |
|  | Withdrawal | | System displays amount to be selected | Menu of withdrawal amount is being displayed | User select amount | | | System prints correct receipt and dispenses correct withdrawal amount | System prints incorrect receipt and dispense incorrect withdrawal amount | Fail | |
|  | Withdrawal | | System displays which account to withdraw from | Menu of account type is being displayed | User choose Money Market | | | System shows amount to be withdrawn | System requests amount to be withdrawn | Pass | |
|  | Withdrawal | | System displays amount to be selected | Menu of withdrawal amount is being displayed | User select amount | | | System prints correct receipt and dispenses correct withdrawal amount | System displays an appropriate message & offers customer the option of choosing to do another transaction | Fail | |
| F004-REQ\_F401\_T001 | Deposit | | System displays menu of transaction types | System request transaction type | User choose Deposit | | | System display which account to deposit to | System request to choose which account to deposit to | Pass | |
|  | Deposit | | System displays which account to deposit to | Menu of account type is being displayed | User choose Checking | | | System requests amount to be deposited | System displays a request for the user to type a dollar amount | Pass | |
|  | Deposit | | System displays which account to deposit to | Menu of account type is being displayed | User choose Savings | | | System requests amount to be deposited | System displays a request for the user to type a dollar amount | Pass | |
|  | Deposit | | System requests to type a dollar amount | System is displaying a request for the customer to type a dollar amount | User enter amount | | | System requests that user insert an envelope | System displays a request that user insert an envelope | Pass | |
|  | Deposit | | System performs a legitimate deposit transaction properly | System is requesting that customer insert an envelope | Insert an envelope | | | System prints a correct receipt showing amount and correct updated balance | System accepts envelope; system prints a correct receipt showing amount and correct updated balance | Pass | |
|  | Deposit | | System displays which account to deposit to | Menu of account type is being displayed | User choose Money Market | | | System requests amount to be deposited | System displays a request for the user to type a dollar amount | Pass | |
|  | Deposit | | System requests to type a dollar amount | System is displaying a request for the customer to type a dollar amount | User enter amount | | | System requests that user insert an envelope | System rejects transaction; displays an appropriate message & offers customer the option of choosing to do another transaction | Fail | |
| F005-REQ\_F501\_T001 | Transfer | | System displays menu of transaction types | System request transaction type | User choose Transfer | | | System display which account to transfer from | System request to choose which account to transfer from | Pass | |
|  | Transfer | | System displays which account to transfer from | Menu of account type is being displayed | User choose Savings | | | System displays a request to choose which account to transfer to | System requests to choose which account to transfer to | Pass | |
|  | Transfer | | System displays which account to transfer to | Menu of account type is being displayed | User choose Savings | | | System requests amount to be transferred | System displays a request for the user to type a dollar amount | Pass | |
|  | Transfer | | System displays request for the user to type a dollar amount | System is displaying a request for the customer to type a dollar amount | User enter amount | | | System prints a correct receipt showing amount and correct updated balance | System displays an appropriate message & offers customer the option of choosing to do another transaction or not | Fail | |
|  | Transfer | | System displays which account to transfer to | Menu of account type is being displayed | User choose Checking | | | System requests amount to be transferred | System displays a request for the user to type a dollar amount | Pass | |
|  | Transfer | | System displays request for the user to type a dollar amount | System is displaying a request for the user to type a dollar amount | User enter amount | | | System prints a correct receipt showing amount and correct updated balance | System accepts transfer; system prints a correct receipt showing amount and correct updated balance | Pass | |
|  | Transfer | | System displays which account to transfer to | Menu of account type is being displayed | User choose Money Market | | | System requests amount to be transferred | System displays a request for the user to type a dollar amount | Pass | |
|  | Transfer | | System displays request for the user to type a dollar amount | System is displaying a request for the user to type a dollar amount | User enter amount | | | System prints a correct receipt showing amount and correct updated balance | System rejects transaction; displays an appropriate message & offers customer the option of choosing to do another transaction | Fail | |
| F006-REQ\_F601\_T001 | Inquiry | System displays menu of transaction types | | System request transaction type | | User choose Balance Inquiry | System display which account to inquire from | | System request to choose which account to inquire from | | Pass |
|  | Inquiry | System displays which account to inquire from | | Menu of account type is being displayed | | User choose Checking | System prints a correct receipt showing amount and correct updated balance | | System accepts inquire; system prints a correct receipt showing amount and correct updated balance | | Pass |
|  | Inquiry | System displays which account to inquire from | | Menu of account type is being displayed | | User choose Money Market | System prints a correct receipt showing amount and correct updated balance | | System rejects inquire; system prints an incorrect receipt showing amount and incorrect balance | | Fail |
| F002\_REQ\_F201\_T001 | System Shutdown | System to be shutdown | | System is ON | | User presses “Off” button | System shall shutdown | | System shutdown | | Pass |
|  | System Shutdown | Connection to the Bank is terminated when the system is shut down | | System has just been shut down | | - | Verify from the bank side that a connection to the ATM no longer exists | | System verified and shutdown | | Pass |