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**FACULTY OF COMPUTER SYSTEMS & SOFTWARE ENGINEERING**

**BCS3323**

**SOFTWARE TESTING & MAINTENANCE**

Labsheet 1

Prepared By:

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| Test ID | Test Conditions | Current situation of the system before run the test case | Input of the test case | Expectation | Tester ID |
| T01 | System rejects an invalid ATM card | System is ready to deliver services | Unreadable or invalid ATM card | System display an error messages and ready for new session | CB14055 |
| T02 | System is started when the switch is turned “on” | System is off | Click “on” button | System requests initial cash amount | CB14055 |
| T03 | System accepts initial cash amount | System is requesting cash amount | Enter an amount (greater or equal to 0) | System is on | CB14055 |
| T04 | System reads a customer’s ATM card | System is on and not servicing a customer | Insert a readable card | Card is accepted and system asks for entry of PIN | CB14055 |
| T05 | System accepts customer’s PIN | System is asking for entry of PIN | Enter a PIN | System displays a menu of transaction types | CB14055 |
| T06 | Session ends when user chooses not to do another transaction | System asks whether user wants another transaction | Choose no | System ejects card and ready to start new session | CB14055 |
| T07 | System allows user to perform transaction | System displays menu of transaction type | Perform a transaction | System asks whether user wants another transactions | CB14054 |
| T08 | System verifies that it has sufficient cash on hand for withdrawal | System asking the withdrawal amount | Choose an amount which is greater than what the system currently has | System displays an appropriate message and asks user to choose a different amount | CB14054 |

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| T09 | System verifies that user’s balance is sufficient for withdrawal | System is requesting a withdrawal amount | choose an amount which is greater than the account balance | System displays message and offers user the option to do another transaction or not | CB14054 |
| T10 | System performs a valid withdrawal transaction properly | System displays menu of withdrawal amounts | Choose an amount that the system currently has and not greater than the account balance | System dispenses the amount of cash, prints a correct receipt showing amount and updated balance. | CB14054 |
| T11 | System asks user to choose the account to deposit to | Display menu of transaction types | Choose deposit transaction | System displays a menu of account types | CB14054 |
| T12 | System asks user to enter amount to deposit | System displays menu of account types | Choose checking account | System displays request for user to type an amount | CB14054 |
| T13 | System asks customer to choose an account to transfer from | Menu of transaction type is being displayed | Choose transfer transaction | System displays a menu of account types of specifying transfer from | CB14036 |
| T14 | System asks customer to choose an account to transfer to | Menu of account types to transfer from is being displayed | Choose checking account | System display a menu of account types specifying transfer to | CB14036 |
| T15 | System asks customer to insert an amount to transfer | Menu of account types to transfer to is being displayed | Choose savings account | System displays a request for customer to type an amount | CB14036 |
| T16 | System asks customer to choose an account to inquire about | Menu of transaction type is being displayed | Choose inquiry transaction | System displays a menu of account types | CB14036 |
| T17 | System performs a legitimate inquiry transaction properly | System is displaying menu of account types | Choose checking account | System prints a correct receipt showing correct balance; system records transaction correctly in the log | CB14036 |

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| T18 | Customer is asked to reenter PIN | - | Enter an incorrect PIN; attempt an inquiry transaction on the customer’s checking account | Customer is asked to reenter PIN | CB14036 |
| T19 | Correct reentry of PIN is accepted | Request to reenter PIN is being displayed | Enter correct PIN | Original transaction completes successfully | CB14036 |
| T20 | Three incorrect reentries of PIN result in retaining card and aborting transaction | Request to reenter PIN is being displayed | Enter incorrect PIN three times | A message is displayed; card is retained by machine and session terminated | CB14036 |