

**BCS3323 SOFTWARE TESTING & MAINTENANCE**

**SEMESTER II SESSION 2016/2017**

**LAB 2**

**PREPARED FOR:**

**DR. ABDULRAHMAN AHMED AL-SEWARI**

**PREPARED BY:**

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| **NAME** | **MATRIC NO** |
| **AHMAD SOLEHIN BIN SHARUDDIN** | **CB15003** |
| **EZZRA NORANNIS BT MOHAMMAD KHAIRUDDIN** | **CB14016** |

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| **Test ID** | **Use Case** | **Function Being Tested OR Test Condition** | **Initial System State** | **Input** | **Expected Output** | **Actual results** | **Test Status** |
| R01\_T01 | The system starts | The system is starting and fully loaded | The system is off | Press ‘ON’ button | The system is starting and fully loaded | The system is starting and fully loaded | Pass |
| R01\_T02 | Check card validity | User inserts invalid card | System prompts user to enter card | Invalid card is inserted | User’s card is rejected | User’s card is rejected | Pass |
| R01\_T03 | Check card validity | User inserts valid card | System prompts user to enter card | Valid card is inserted | User’s card is accepted | User’s card is accepted | Pass |
| R01\_T04 | Test connectivity with bank | Transaction is processing | The user chooses any transaction | The right transaction that is accepted | A connection between the ATM and bank is established | A connection between the ATM and bank is established | Pass |
| R01\_T05 | Test connectivity  with bank | Transaction is processing | The right amount that is accepted | The system shows error “System if down” | A connection between the ATM and bank is not established | A connection between the ATM and bank is not established |  |
| R01\_T03 | Check card validity | User inserts card inversely | System prompts user to enter card | Card is inserted inversely | User’s card is accepted | User’s card is rejected | Fail |
| R02\_T01 | Check card PIN | Invalid pin | Card is valid and system prompts user to enter PIN | Invalid pin is typed | User cannot proceed to transaction menu | User cannot proceed to transaction menu | Pass |
| R02\_T02 | Check card PIN | Valid pin | Card is valid and system prompts user to enter PIN | Valid pin is typed | User can proceed to transaction menu | User can proceed to transaction menu | Pass |
| R03\_T01 | Can do multiple transaction in one session | Can do multiple transaction | User is in main menu and chooses one transaction and completed that transaction | User chose no | User’s card is ejected and transaction ends | User’s card is ejected and transaction ends | Pass |
| R03\_T02 | Can do multiple transaction in one session | Cannot do multiple transaction | User is in main menu and chooses one transaction and completed that transaction | User chose yes | User can select other transaction | User can select other transaction | Pass |
| R03\_T03 | Can do multiple transaction in one session | Click cancel button | User is in main menu and chooses one transaction and completed that transaction | User clicked cancel button | User can select other transaction | User’s card is ejected and transaction ends | Fail |
| R04\_T01 | Can withdraw multiples of $20.00 | Enter multiples of $20.00 | User is in withdrawal page | User selected multiples of $20.00 | User can withdraw money | User can withdraw money | Pass |
| R04\_T02 | Can withdraw multiples of $20.00 | Click cancel button | User is in withdrawal page | User clicked cancel button | User cannot withdraw money | User cannot withdraw money | Pass |
| R05\_01 | Balance Inquiry | System will show available money in the account when balance inquiry selected | User is in menu selection where there is “Balance inquiry” | Choose balance inquiry section | The screen will show user current money in user account | Show user current money in the account | Pass |
| R06\_01 | Withdraw money attempt | Money that come out from the ATM is same to value that user key in in withdraw money | User in menu where to key in value to withdraw | User key in value of money to withdraw | Money come out from the ATM | The money that come out is same to the value that the user enter | Pass |
| R07\_01 | Print receipt | Receipt will show all the transaction made by user | User in menu selection to have receipt or not | User choose yes | Print the correct receipt based on user transaction | The ATM show the transaction made by user | Pass |
| R08\_01 | Choose language | User in menu to can choose language | User in language selection | User choose English | All word change to English word | Language changed | Pass |
| R09\_01 | Cancel transaction | The Transaction will cancel when user press the cancel button | User in main menu | Press cancel button | System end the session and eject the card | The ATM eject the ATM card when button cancel pressed | Pass |
| R10\_01 | ATM security | Invalid pin | User in section to enter pin number | Enter pin three time with wrong pin | Screen display that card is retained by machine | The card retain by the ATM | Pass |
| R10\_02 | ATM security | Change current pin | User in menu to change pin number | User enter previous pin and then new pin number | Valid card with new pin is readable by the machine | Card is readable | Pass |
| R11\_01 | Deposit | The money in user account will be added when user perform deposit transaction where the initial balance is 40 | User in menu where asked to enter value of money | User will enter 100 | User money in account will be added | The total balance show total 130 | Fail |
| R11\_02 | Withdraw deposit money again | User can directly withdraw the money that transfer to their account | User in withdraw section | User enter 100 | The withdraw successful | The withdraw fail | Fail |
| R11\_03 | Available money after deposit | The money that deposit to user account should be available to withdraw again by the user that receive the money | User in menu where asked to enter value of money | User will enter 100 | User can withdraw the money again | The system show only 40 available | Fail |
| R12\_01 | Transfer money  From sender | Transfer money  From sender | Main menu of transaction is running/displaying | Choose Transfer transaction | Display menu where account types is sender from | Display menu where account types is sender from | Pass |
| R12\_02 | Transfer money to recipient | Transfer money to recipient | Display menu where account types is sender from | Choose checking account | Display menu where account types is recipient | Display menu where account types is recipient | Pass |
| R12\_03 | Enter amount for transaction | Correct account types is shown | Enter amount that want to transfer | Choose savings account | The systems prompts user to enter the amount | The systems prompts user to enter the amount | Pass |
| R12\_04 | Enter amount for transaction | Enter amount for transaction | The systems prompts user to enter the amount | The user enter the correct amount | The system shows the current new balance and saves in the bank log | The system shows the current new balance and saves in the bank log | Pass |
| R12\_05 | Transaction is cancelled and no further transaction | Transaction is cancelled during user enter the amount | The system show the types of account to transfer | Press ‘Cancel’ button | The system alerts the user whether they want to choose to another transaction | The system alerts the user whether they want to choose to another transaction | Pass |
| R12\_06 | Transaction is cancelled and there is another transaction | Transaction is cancelled during user enter the amount | The system alerts the user whether they want to choose to another transaction | Press ‘Yes’ button | The system redirects to main menu | The system redirects to main menu | Pass |
| R13\_01 | System shutting off | System is fully loaded | The system is fully loaded and can be used for any transaction | Press ‘OFF  Button’ | The system is shut down completely and cannot be use | The system is shut down completely and cannot be use | Pass |