**CLASS ASSESSMENT 3**

**SOFTWARE TESTING**

**PROBLEM**

Design test scenarios of withdrawing money.

**SOLUTION**

1. Verify the ‘ATM Card Insertion Slot’ is as per the specification
2. Verify the ATM machine accepts card and PIN details
3. Verify the error message by inserting a card incorrectly
4. Verify the error message by inserting an invalid card (Expired Card)
5. Verify the error message by entering an incorrect PIN
6. Verify that the user is asked to enter the PIN after inserting a valid ATM Card
7. Verify that PIN is encrypted
8. Verify that there is an action like blocking of card occurs when the total no. of incorrect PIN attempts get surpassed
9. Verify the user is allowed to do only one cash withdrawal transaction per PIN request
10. Verify the machine logs out of the user session immediately after successful withdrawal
11. Verify the message when there is no money in the ATM
12. Verify the language selection functionality
13. Verify the cash withdrawal functionality by entering some valid amount
14. Verify the cash withdrawal functionality by entering an amount less than 100
15. Verify the cash withdrawal functionality by entering an amount greater than the total available balance in the account.
16. Verify the cash withdrawal functionality by entering an amount greater than per day limit
17. Verify the user is allowed to enter the amount again in case the amount entered is not valid. A proper message should be displayed.
18. Verify the ATM machine successfully takes out the money.
19. Verify the ATM machine takes out the balance printout after the withdrawal
20. Verify the font of the text displayed on the ATM screen
21. Verify the text on the screen buttons is visible clearly.
22. Verify the functionality of all the buttons on the keypad
23. Verify the text on the buttons is visible clearly.
24. Verify that touch of the ATM screen is smooth and operational
25. Verify the user is allowed to choose different account types like Savings, Current etc.,
26. Verify the different combinations of operation and check if there will be an electricity loss in the middle of the operation. If there is an electricity loss in the middle of the transaction then the transaction should be marked as null and the amount shouldn’t be disclosed to others.
27. Verify the functionality of the cash dispenser
28. Verify the functionality of the receipt printer
29. Verify whether the printed data is correct or not in the receipt
30. Verify how much time the system takes to log out.

Figure:

