**Assessment Test (QA)**

**Answer the following question:**

1 . List the phases of SDLC.

2. List the phase of STLC.

3. Write all the phase of Bug Life Cycle

4. Name of column for test case report.

5. Name of column for bug report format.

6. Write test case on ATM Machine & Pen.

**Solution :**

1. **SDLC (Software Development Life Cycle) Phases**

* Requirement Gathering
* Planning
* Coding
* Testing
* Deployment
* Maintenance

1. **STLC (Software Test Life Cycle)**

* Information Gathering
* Plan Test Case
* Test Case Development
* Setup Environment
* Test execution
* Test closure

1. **Bug Life Cycle**

New

Open

Assign

Reopen

Rejected

Fix

Deferred

Close

1. **Column of Test Case Report**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TC No. | Module | URL | Test Case Description | Steps | Test Data | Expected result | Actual Result | Pass/Fail | Review | Created by | Created date |
| Verified by | Verified Date | Bug Id |

1. **Column of Bug Report**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bug ID | Module­­ | URL | Bug Description | Steps | Browser | Resolution | Actual Result | Expected Result | Test Data | Priority | Assigned to |
| Reviewed by | Created by |  |  |

1. **Test Cases for ATM Withdrawal System:**
2. Verify when electricity is OFF.
3. Verify when electricity is ON.
4. Verify when Switch is OFF.
5. Verify when Switch is ON.
6. Verify when display is not working.
7. Verify when keyword is not working.
8. Verify when display is working.
9. Verify when keyboard is working.
10. Verify swipe when machine is not ready to take card.
11. Verify swipe when machine is ready to take card.
12. Verify when swipe damage card.
13. Verify when swipe expired card.
14. Verify after swipe Machine take the card inside during whole transaction process.
15. Verify after swipe Machine throw out card during whole transaction process.
16. Verify when enter invalid card type. (Use Metro Card instead of ATM Card)
17. Verify when enter the card of other bank.
18. Verify the language available in ATM Machine.
19. Verify when language is not available as required.
20. Verify the maximum language ﻿available in ATM.
21. Verify the minimum language available in ATM
22. Verify when ask to enter PIN No.
23. Verify when keep the PIN empty & Press enter
24. Verify when enter wrong PIN in ATM.
25. Verify the maximum length of PIN.
26. Verify the minimum length of PIN.
27. Verify when enter single digit and press enter
28. Verify cancel button when user want to terminate transaction.
29. Verify the delete option to remove or modify wrong entered PIN.
30. Verify when enter valid PIN in ATM.
31. Verify when not select any account type
32. Verify when select current account type
33. Verify when select saving account type.
34. Verify when select both account type using display of ATM Machine.
35. Verify for salary account type.
36. Verify when select valid account type.
37. Verify the amount to be withdrawal.
38. Verify when enter maximum amount to withdrawal.
39. Verify when enter minimum amount to withdrawal.
40. Verify when entered amount is more than balance.
41. Verify when entered amount is less than balance.
42. Verify when entered single digit in Amount field.
43. Verify when entered amount is less than card’s daily limit.
44. Verify when entered amount is more than card’s daily limit.
45. Verify when entered amount is equal to the limit of card’s daily limit.
46. Verify when enter valid amount to withdrawal.
47. Verify when case is not available in ATM.
48. Verify when case is available in ATM.
49. Verify when withdrawal amount is less than case available.
50. Verify when withdrawal amount is more than case available.
51. Verify when electricity gone away during the machine counting withdrawal amount.
52. Verify when collected amount is not same as withdrawal amount that entered.
53. Verify when collected amount is more than withdrawal amount that entered.
54. Verify when collected amount is less than withdrawal amount that entered.
55. Verify when collected amount is equal to withdrawals amount that entered.
56. **Test Case for Pen.**
57. Verify the design of Pen as per client requirement.
58. Verify the maximum length of Pen.
59. Verify the minimum length of Pen
60. Verify the maximum weight of Pen.
61. Verify the minimum length of Pen.
62. Verify the type of Pen (Ballpen or Gellpen)
63. Verify to write with pen in maximum temperature.
64. Verify to write with pen in minimum temperature.
65. Verify when ball of pen is downward and back is upward.
66. Verify when ball of pen is upward and back is downward.
67. Verify when write with pen from different angle.
68. Verify pen can refill or not.
69. Verify when write on rough page from pen.
70. Verify when write on smooth page from page.
71. Verify when write on wet page from pen.
72. Verify when write on Wall.
73. Verify when write on cloths or other plastic.
74. Verify the griping of pen is smooth.
75. Verify the griping of pen is rough.
76. Verify when there is not any ink are available.
77. Verify when fill the different ink in pen (When fill black ink in blue pen)
78. Verify the colour of cover is according to colour of ink.
79. Verify when keep the pen in opposite direction for long time. (ball of pen is up)
80. Verify when keep the pen in positive direction for long time. ( ball of pen is down)
81. Verify the sharpness of ball, is it thick or thin.
82. Verify when keep the pen in normal water.
83. Verify when keep the pen in hot water.
84. Verify when keep the pen in cold water.