MANUAL TESTING

Software Testing Concepts - Session #13

Decision Table / cause-effect table : Registration

This technique is appropriate for preparing test data to test functionalities which has logical relationship.

Example 1: login page validation. Allows user to login only when user name and password are correctly entered.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Test Case-1 | Test Case-2 | Test Case-3 | Test Case-4 |
| First Name | Valid | Invalid (Empty) | Valid | Invalid (Special Characters) |
| Last Name | Valid | Valid | Invalid (Empty) | Valid |
| Username | Valid | Valid | Invalid (Empty) | Invalid (Duplicate) |
| Password | Valid | Invalid (Empty) | Valid | Invalid (Short Length) |
| email | Valid | Valid | Invalid (Invalid Format) | Invalid (Empty) |
| Mobile | Valid | Invalid (Empty) | Valid | Invalid (Alphabets) |
| Dashboard | Allowed | Allowed | Allowed | Not Allowed |
| Expected output | Registered | Error (Mandatory) | Error (Invalid Email) | Error (Invalid Username) |

Example 2 : Transferring money online to an account which is already added and approved.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Test Case-1 | Test Case-2 | Test Case-3 | Test Case-4 | Test case - 5 |
| Account Approved | Yes | Yes | Yes | Yes | No |
| OTP Matched | Yes | Yes | Yes | No | N/A |
| Sufficient Money in account | Yes | Yes | No | N/A | N/A |
| Transfer money | Yes | No | N/A | N/A | N/A |
| Show msg “Insufficient balance” | Transfer Successful | Error: OTP Mismatch | Error: Insufficient Balance | Error: Transaction Blocked | Error: Transaction Blocked |

Explanation of Test Cases:

1. **Test Case-1:**
   * Account is approved.
   * OTP is matched.
   * There is sufficient money in the account.
   * Money transfer is successful.
2. **Test Case-2:**
   * Account is approved.
   * OTP is matched.
   * There is sufficient money in the account.
   * OTP mismatch leads to an error message.
3. **Test Case-3:**
   * Account is approved.
   * OTP is matched.
   * There is insufficient money in the account.
   * An error message is displayed indicating insufficient balance.
4. **Test Case-4:**
   * Account is approved.
   * OTP is not applicable (transaction is blocked).
   * Since the transaction is blocked, no further checks are made.
5. **Test Case-5:**
   * Account approval is pending (transaction is blocked).
   * OTP is not applicable (transaction is blocked).
   * Since the transaction is blocked, no further checks are made.