

Test Design Techniques

User Story : Login Error Handling

Title: Error Handling for Invalid Login Attempts

Description: As a user, I want to see an error message when logging in with incorrect credentials, so that I understand that my login attempt has failed and can take corrective action.

Type: Functional

Test Cases:

1. Login with invalid username and valid password
2. Login with valid username and invalid password
3. Login with both invalid username and password
4. Attempt login with empty username and password

Applied Test Design Techniques : Equivalence Partitioning (EP), and State Transition Technique

Equivalence Partitioning (EP)

1. Used to validate correct grouping of input data (valid vs. invalid inputs).

Equivalence Partitioning (EP)

Field	Valid	Invalid
Login Status	Logged In	Not Logged In
Account Status	Active & Created	Not Created / Session Expired
Account Display	Shown with correct balance	Not shown / mismatched data

State Transition Technique (ST)

1. Not Logged In → tries to access account summary → Redirects to Login Page
2. Logged In → opens a new account → confirmation with account number
3. Then goes to Account Summary → Sees newly created account
4. If no new account created → only previous accounts are listed