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
Email	Existing user (e.g., validuser@example.com)	Non-existent user (e.g: fakeuser@example.com), Empty field
Password	Correct password	Wrong password, Empty field

State Transition Technique (ST)