**Use Case Test: User Login**

**1. Use Case Name**

**User Login**

**2. Description**

This use case describes the process of a registered user logging into the system using their username and password.

**3. Actors**

* User (Primary actor)
* System (Secondary actor)

**4. Preconditions**

* The user must be registered and have valid credentials.
* The login page must be accessible.

**5. Postconditions**

* User is granted access to the system if credentials are valid.
* User receives an error message if credentials are invalid.

**6. Main Flow (Basic Scenario)**

1. User navigates to the login page.
2. User enters a valid username.
3. User enters a valid password.
4. User clicks the "Login" button.
5. System verifies the credentials.
6. System grants access and redirects user to the dashboard.

**7. Alternative Flows (Exceptions)**

| **Step** | **Condition** | **Alternative Action** |
| --- | --- | --- |
| 3 | Password is incorrect | System displays error: "Invalid Password." |
| 2 | Username does not exist | System displays error: "Username not found." |
| 2 or 3 | Fields left blank | System displays error: "Please fill all fields." |
| 5 | Account is locked | System displays error: "Account locked, contact support." |

**8. Test Cases**

| **Test Case ID** | **Test Description** | **Input Data** | **Expected Result** |
| --- | --- | --- | --- |
| UC\_LOGIN\_01 | Successful login | Valid username & password | Redirect to dashboard |
| UC\_LOGIN\_02 | Invalid password | Valid username, wrong password | Error message: Invalid Password |
| UC\_LOGIN\_03 | Invalid username | Wrong username, valid password | Error message: Username not found |
| UC\_LOGIN\_04 | Blank username and password fields | Empty username & password | Error message: Please fill all fields |
| UC\_LOGIN\_05 | Locked account | Valid credentials but locked | Error message: Account locked |

**9. Notes**

* Passwords should be case-sensitive.
* User sessions expire after 30 minutes of inactivity.