**Experiment 2.2**

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**Subject Name:** Software Testing **Subject Code:** 22CAH-685

**Aim/Overview of the practical:**

Design test cases using decision table for login page of LinkedIn.

**Code/Step for the Practical:**

1. **Decision table for Login Page**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Condition** | **Description** | **Rule 1** | **Rule 2** | **Rule 3** | **Rule 4** |
| C1 | Valid ID | T | T | F | F |
| C2 | Valid Password | T | F | T | F |
| C3 | Home Page | T | F | T | F |
| A1 | Transfer money | X |  |  |  |
| A2 | Show message “Invalid Credentials" |  | X | X | X |

1. **Decision table for Online Money Transfer**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Condition** | **Description** | **Rule 1** | **Rule 2** | **Rule 3** | **Rule 4** | **Rule 5** | **Rule 6** | **Rule 7** | **Rule 8** |
| C1 | Account already  approve | T | T | T | T | F | F | F | F |
| C2 | OTP Matched | T | T | F | F | T | F | F | F |
| C3 | Sufficient money in account | T | F | T | F | T | F | T | F |
| A1 | Transfer money | X |  |  |  |  |  |  |  |
| A2 | Show message as insufficient balance |  | X |  |  |  |  |  |  |
| A3 | Block transaction in case of suspicious transactions |  |  | X | X | X | X | X | X |

**Legend: -**

**‘F’ ---** Invalid Credential

**‘T’ ---** Valid Credentials

**‘E’ ---** Error message

**‘S’ ---** Successful login

**‘R’ ---** Redirected to Reset Password Screen

**‘G’ ---** Redirected to choose a Google account to sign in

**‘N’ ---** Redirected to Sign Up page

**‘--‘ ---** Empty/Not Chosen

**4. Result/Writing Summary: -**

**Interpretation/Test Cases: -**

✓ Case 1: - Both email id and password are incorrect/invalid. So, an error message is displayed stating

that the user/password is invalid.

✓ Case 2: - Email id is incorrect/invalid but Password is valid. So, an error message is displayed stating

that the password is invalid.

✓ Case 3: - Email id is valid but Password is incorrect/invalid. So, an error message is displayed stating

that the password is invalid.

✓ Case 4: - Both email id and password are valid. A successful login, so user will be redirected to the

Home Screen.

✓ Case 5: - Email id is valid, but user forgot the password. So, Forgot Password button will redirect the

user to the reset password page.

✓ Case 6: - Sign in using the Google account. User will be redirected to a page and asked to choose a

Google account to sign in.

✓ Case 7: - New user when clicks on Join Now, will be redirected to the Sign-Up page.

**5. Learning Outcomes: -**

**I learned to: -**

o Create a decision table for a login page.

o Design various test cases based on the decision table and predict the outputs.