**Question 1**

**list of scenarios:**

* + - Verify if a user can log in with a valid username and valid password.
    - Confirm that a user cannot log in with an invalid username or invalid password.
    - Check if can login when the fields are blank and the “Submit” button is clicked.
    - Test the Forgot Password functionality.
    - Validate the messages displayed for valid login attempts.
    - Validate the messages displayed for invalid login attempts.

**Question 2**

**Test Case**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case Name** | **Precondition** | **Steps** | **Expected Results** | **Actual Results** | **Results** |
| **1** | user log in with valid username and valid password | 1.The application is accessible via a web browser.  2.The login screen is displayed | 1. Open the Application  2 Enter valid username and password.  Click the “Submit” button. | **Login Successful** | **Login Successful** | **Pass** |
| **2** | user cannot log in with an invalid username or invalid password. | 1.The application is accessible via a web browser.  2.The login screen is displayed. | 1. Open the Application  2 Enter invalid username and password.  Click the “Submit” button. | **Login Unsuccessful** | **Login Unsuccessful** | **Pass** |
| **3** | Check if can login when the fields are blank and the “Submit” button is clicked. | 1.The application is accessiblevia a web browser.  2.The login screen is displayed | 1. Open the Application  2 Leave username and password blank.  Click the “Submit” button. | Error message “Username And Password are Blank” | Error message “Username And Password are Blank” | **Pass** |
| **4** | Forgot Password functionality. | 1.The application is accessible via a web browser.  2.The login screen is displayed. | 1. Open the Application  2 Enter valid username and click forgot password.  Click the “Submit” button. | Password changed Successfully | Password changed Successfully | **Pass** |

**Question 3**

**documenting the bug**

1. **Title**:
   * Error Occurs When Clicking Login with Correct Credentials.”

2.

Navigate to the login page.

Enter valid username or password.

Click the ‘Login’ button.

The expected (successful login) and the actual (error message).

Question 4

What is the technique used to test the system without focusing on the internal workings of the system?

* + - Black Box Testing

Question 5

What is the technique used to test the system focusing on the internal workings of the system?

* + - White Box Testing

Question 6

You are presented with a numeric text field that is supposed to accept numbers between 0 to 100, using Boundary value analysis what inputs can you derive?

* + - Valid Boundaries 1 And 99
    - Invalid Boundaries 1 and 101

Question 7

What testing technique allows testers to think outside the box and come up with use cases that might not be covered in predefined test cases?

* + - Exploratory Testing