**Test Plan: Login Functionality Testing for CodeCademy**

*1.Objective:*

The objective of this test plan is to thoroughly test the login functionality of a website to ensure its reliability, security, and user-friendliness.

Website : https://www.codecademy.com/login

*2.Test Environment:*

Test Framework: WebdriverIo Javacript

Browser: Chrome

Operating System: Mac

*3.Features to be tested & type of testing performed:*

On this test plan our focus is the part of the login. We will create and perform positive and negative test cases which cover login functionality. We will perform positive test cases to make sure that the website works as it is supposed to do and we will perform negative test cases to make sure that the website handles unwanted output and user behaviours.

*4.Test Cases:*

**a) Positive Test Cases:**

1. Valid credentials: Verify that a user can successfully log in with valid username and password.
2. Forget Password: Verify that the "I forgot my password" redirects user to “Request Password Resset” page.
3. Check the log out button. Verify that the user is logged out of the system, in case log out button is clicked.
4. Validate Sign Up button. Verify that Sign Up button is displayed and present in login page.
5. Validate Page Title. Verify that the Login Page Title is displayed and has text as expected.

**b) Negative Test Cases:**

1. Invalid credentials: Verify that the user cannot log in with an invalid username and/or password.

**Test Steps:**

Step 1: Navigate to the login page. Url: https://www.codecademy.com/login

**Step 3: Perform positive test cases.**

1. Enter valid credentials and verify successful login.
2. Test case: Forgot Password(check if the user is redirected to “Request Password Reset” page.
3. Test case: Check log out button(wait to see if the user is logged out of the system when log out button is clicked)
4. Test case: “Validate Sign Up button (wait to see if the element is displayed in login page.)
5. Test case:”Validate Page Title”(Verify that the title is displayed and has text “Login to CodeCademy.)

**Step 4: Perform negative test cases.**

1. Test case: Invalid credentials (enter incorrect username and/or password).

**Expected Errors:**

1. Invalid credentials error message.
2. User can not login using invalid credentials.
3. After some attempts user will need to verify that is a human (Captcha) to login .