

Practical No: 12

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Title: Executing Test Case to Generate Defect Report for Login

● **Defect Report: - Login System: codepen.io**

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| Defect ID: | L_1 |
| Project Name: | Codepen.io |
| Module: | Login |
| Detected Build Version | Version 1.0.0 |
| Problem Area: | Login Page |
| Defect or Enhancement: | Defect |
| Summary | Website not Authentication |
| Description: | Problem in Authentication of website with valid user |
| Actual Result | Website not opening after valid authentication |
| Expected Result | Website should open after valid authentication |
| Defect Type | Functionality |
| Reported By: | Development |
| How Detected: | Testing |
| Assigned To: | Software Developer |
| Defect Priority: | Medium |
| Defect Severity: | High |
| Status | New |
| Fixed Build Version | 1.2.0 |

● Test Cases: - Login System: codepen.io

| Sr. no | Test Case ID | Test Description | Pre-Condition | Steps to be executed | Test Input | Expected Output | Actual Output | Remark (Pass/Fail) |
|--------|--------------|---|-------------------------|--|--------------------------------------|--|---|--------------------|
| 1 | L1_1 | To check whether user can log in with a valid username and password | Website Login page open | 1. Enter valid Username 2. Enter valid Password | Valid Username Valid Password | User should be able to login | User is able to login | Pass |
| 2 | L1_2 | To check whether user cannot login with invalid username and password | Website Login Page open | 1. Enter invalid Username 2. Enter invalid Password | Invalid Username Invalid Password | User should not be able to login | User is not able to login | Pass |
| 3 | L1_3 | To check whether user cannot login with invalid username and valid password | Website Login page open | 1. Enter invalid Username 2. Enter valid Password | Invalid Username valid Password | User should not be able to login | User is not able to login | Pass |
| 4 | L1_4 | To check whether user cannot login with valid username and invalid password | Website Login page open | 1. Enter valid Username 2. Enter invalid Password | Valid Username Invalid Password | User should not be able to login | User is not able to login | Pass |
| 5 | L1_5 | To check whether website displays message if password is not entered | Website Login Page open | 1. Enter Username | Username | Website should display message Enter Password | Website display message Enter Password | Pass |
| 6 | L1_6 | To check whether website displays message if username is not entered | Website Login Page open | 1. Enter Password | Password | Website should display message Enter Username | Website display message Enter Username | Pass |

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|----|-------|---|-------------------------|--------------------------------------|--|--|---|-------------|
| 7 | L1_7 | To check whether website displays message if user entered password only 3 characters | Website Login Page open | 1. Enter Password | 3 (Three) Character Password | Website should display message Invalid Password | Website display message Invalid Password | Pass |
| 8 | L1_8 | To check whether website displays message if Caps Lock is on | Website Login Page open | 1. Press Caps Lock Key | On Caps Lock | Website should display Caps Lock on | Website Didn't display's Caps Lock on | Fail |
| 9 | L1_9 | To check whether if user cannot enter the characters more than the specified range in each field (Username and Password). | Website Login Page open | 1.Enter Username 2.Enter Password | Username (characters greater than 25) Password (characters greater than 25) | Website should not accept characters greater than 25 for username and password | Website accept characters greater than 25 for username and password | Fail |
| 10 | L1_10 | To check whether user is able to login with "invitado" username and "hgm2015" password | Website Login Page Open | 1.Enter Username 2.Enter Password | Username as "invitado" Password as "hgm2015" | User should be able to login | User is able to login | Pass |

- **Test Cases: - Login System**

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|-------------------------------|---------------------------------------|
| Defect ID: | F_1 |
| Project Name: | Login System |
| Module: | Login |
| Detected Build Version | Version 1.0.0 |
| Problem Area: | Forget Page |
| Defect or Enhancement: | Defect |
| Summary | Forgot password not working |
| Description: | Problem in forgot password of website |
| Actual Result | User is not able to forgot password |
| Expected Result | User is able to forgot password |
| Defect Type | Functionality |
| Reported By: | Development |
| How Detected: | Testing |
| Assigned To: | Testing |
| Defect Priority: | Medium |
| Defect Severity: | High |
| Status | New |
| Fixed Build Version | 1.2.0 |

| Sr. no | Test Case ID | Test Description | Pre-Condition | Steps to be executed | Test Input | Expected Output | Actual Output | Remark (Pass/Fail) |
|--------|--------------|---|-------------------------|--|----------------|--|--|--------------------|
| 1 | F_1 | To check whether when we select the forgot password to link it is directing to forgot the password link page. | Website Login System | 1. Click On Forgot Link | -- | Website should redirect to forgot password page | Website redirect to forgot password page | Pass |
| 2 | F_2 | To check whether in that page it must ask for alternate email id to send the link | Website Login Page open | 1. Click On Forgot Link | -- | Website should ask for alternate email id to sent the link | Website ask for alternate email id to sent the link | Pass |
| 3 | F_3 | To check whether the link was sent to the mail to which the user has provided | Website Login page open | 1. Enter the email id 2. Verify the captcha 3. Press Confirm | Valid Email id | User should receive a link on email id | User receive a link on email id | Pass |
| 4 | F_4 | To check whether the link can be used once | Website Login page open | 1. Enter the email id 2. Verify the captcha 3. Press Confirm | Valid Email id | The link sent to user should be only used once and will expire after once's opened | The link sent to user only used once and will expire after once's opened | Fail |
| 5 | F_5 | To check whether when the user using the link for more than one time it should be dissolved | User email | 1. Open register email id 2. Open the Link | -- | Link sent to user on mail should dissolve after once's used | Link sent to user on mail dissolve after once's used | Fail |

| | | | | | | | | |
|----|------|---|------------------------------------|---|-----------------------------------|---|---|------|
| 6 | F_6 | To check whether the user opens the link it should ask the security question same at the time he registered | Forgot link should be verified | 1. Click on the password forgot link sent on registered mail id | -- | Website should ask the security question same at the time he registered | Website ask the security question same at the time he registered | Pass |
| 7 | F_7 | To check whether the right answer is given by the user. | Forgot link should be verified | 1. Enter the right answer. 2. Click Submit | Right Answer to Security Question | Website should redirect to page to set new password. | Website redirect to page to set new password | Pass |
| 8 | F_8 | To check whether the wrong answer is given by the user. | Forgot Link should be verified | 1. Enter the wrong answer. 2. Click Submit | Wrong Answer to Security Question | Website should not redirect to page to set new password and display message to wrong answer. | Website not redirect to page to set new password and display message to wrong answer. | Pass |
| 9 | F_9 | To check whether the website provide 3 attempt for answer | Forgot Link should be verified | 1. Enter the wrong answer. 2. Click Submit | Enter 3 times Wrong answer | Website to redirect login page and display message 3 wrong attempt. | Website redirect to page to set new password and display message to wrong answer. | Pass |
| 10 | F_10 | To check whether the user enters the new password and retype the password both should match and should be set | New Password page should be opened | 1. Enters the new password 2. Confirm the new password | New valid Password | Website should redirect to login page and display message password successfully updated. Website database should be updated | Website redirect to login page and display message password successfully updated. Website database be updated | Pass |

* Practical Related Questions

Q.1. What is the significance of encryption while saving password in database?



- Encryption is the process through which data is encoded so that it remains hidden from or inaccessible to unauthorized users.

- It helps protect private information, sensitive data, and your data is encryption.

- Even if an unauthorized person or entity gains access to it, they will not be able to read it.

Q.2 Give the significant of POST methods while performing operations on web based app.



- By design, The POST request method requests that a web ~~designer~~ server accepts the data enclosed in the body of the request message, most likely for storing it.

- It is often used when uploading a file or when submitting a completion web form.

- In contrast, The HTTP GET request method returns information from the server.

Q.3] Define step to write a defect report for given application.

Step 1:- Define the defect. The first step is to define the defect by writing a summary in the defect title and providing a general description of the problem.

Step 2:- Research the root cause

Step 3:- Add supporting documentation

Step 4:- Format your report for high readability