Assignment - 3

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| **Unit Number and Title:** | Application Implementation |
| **Academic Year:** | 2022 |
| **Unit Assessor:** | Arvinder Kaur |
| **Project Title:** | IU6: Test Planning |
| **Submission Date:** | 18 August 2022 |
| **Date:** | 18 August 2022 |

Task Statement: Develop a Phase Test Plan for testing the application.

Solution

1. **Objective of testing**

The Scope of the Project is to design a Community Portal Similar to Linkedin.com, a Community Portal website where the website requires a Registration Page, Login Page, See Profile Users and Update User Profile. Users can use the Registration Page to register in the portal. Users of the portal can search for other users using a variety of criteria, including first and last names, companies, cities, and countries. Users will have the ability to read, send, and view messages. This testing is intended to validate and confirm that the system's functionality complies with the client's needs.

1. **Goal of testing**

The goal of this testing is testing using unit testing and UAT testing on the registration page on ABC Jobs

1. **Scope of testing**

**Features which will be tested in this plan**

1. Registration
2. Login
3. Logout
4. Reset Forgotten Password

**Features which will not to be tested**

1. Posting Job
2. Applying Job
3. Send Messages
4. Post Message in Message Board
5. Post Thread in Message Board
6. **Testing approaches to achieve the goal,**
   1. Unit testing

Unit testing is a type of software testing in which individual units or components of software are tested. The goal is to ensure that each unit of software code works as expected.

* 1. UAT testing

This testing is a type of testing performed by the end user or client to verify or accept the software system before moving the software application to the production environment. This testing will be carried out by the client or end user.

1. **Testing Criteria** 
   1. Entry criteria

In entry criteria Every requirement that need to be prepare before start the testing.

* 1. Exit Criteria

Every requirement that need to be prepare before stop the testing.

* 1. Suspension Criteria

Suspension criteria is few specification individual test that we can be skip or suspens while doing the testing and can be continue in the next time

* 1. Resumption Criteria

In this criteria all the suspend things will continue to be testing

* 1. Test Metrics

A quantitative metric for estimating the progress and quality of a software testing process.

**f. Test Deliverables**

1. Test Plan
2. Test schedules
3. Test scripts

Detailed Test Plan

1] Test Scenario: -

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| Requirements | Test Scenario ID | Test Scenario | Number of test cases |
| Functional Testing | TS001-Unit testing | Ensure that user enters correct data in the registration page | 3 |
| TS002-UAT testing | 1. Check that a navigation menu is provided on each page and is consistent. | 3 |

**Scenario -1:- Unit Testing**

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| Test Scenario | Ensure that user enters correct data in the registration page |
| TS001 |
| Test Cases | Unit Testing |
| TC001 | Check all the mandatory fields are entered |
| TC002 | Check the email-address validation working correctly |
| TC003 | Check post submission loading of thank you page |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Scenario ID | Test Case ID | Test Case | Preconditions | Test Step | Test Data | Expected Results | Actual Results | Pass / Fail |
| TS001 | TC001 | Test Case 1 | The user should have URL of website and opened a homepage of the abcjobs.com | 1. Type www.abcjobs.com. 2. Click “Sign up” in website home page linked to registration page. 3. Enter all the fields. 4. Click submit. | First Name = Wildan  Last Name = Luqmanul Hakim  Company = Google  City = Sumedang  Country = Indonesia  Email = [wildan@email.com](mailto:wildan@email.com)  Password = Password123 | User should land to login page | As expected | Pass |
| First Name = Wildan  Last Name = Luqmanul Hakim  Company = Google  City = Sumedang  Country = Indonesia  Email =  Password = | It will Display error message “Please enter your email”  It will Display error message “Please enter the password” | As expected | Pass |
| TS001 | TC001 | Test case 2 | The user should have URL of website and opened a homepage of the abcjobs.com | 1. Enter URL 2. Click on Login page 3. Enter all details 4. Enter submit button | Email=[wildan@email.com](mailto:wildan@email.com)  Password =password123 | Rest details | As expected | Pass |
| TS001 | TC002 | Test case 3 | The user should have URL of website and opened a homepage of the abcjobs.com | 1. Type www.abcjobs.com.  2. Click “Log In” in website home page linked to registration page.  3. Enter all the fields.  4. Click submit. | Email=wildan@email  Password =password123 | It will display error message “Enter valid email” | As expected | Pass |
| TS001 | TC003 | Test case 4 | The user should have URL of website and opened a homepage of the abcjobs.com | 1. Type www.abcjobs.com.  2. Click “Sign up” in website home page linked to registration page.  3. Enter all the fields.  4. Click submit. | First Name = Wildan  Last Name = Luqmanul Hakim  Company = Google  City = Sumedang  Country = Indonesia  Email = [wildan@email.com](mailto:wildan@email.com)  Password = Password123 | User should land to thank you page | As expected | Pass |

**Scenario -2 :- UAT Testing**

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| Test Scenario | Check that a navigation menu is provided on each page and is consistent. |
| TS002 |
| Test Cases | UAT Testing |
| UAT01 | Check each hyperlink menu is loading correct page |
| UAT02 | Sign-in to community portal with the account that has been created |
| UAT03 | Reset the password |

**Test cases:-**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Scenario ID | Test Case ID | Test Case | Preconditions | Test Step | Test Data | Expected Results | Actual Results | Pass / Fail |
| TS002 | UATC01 | Check each hyperlink menu is loading correct page | The website is configured to Microsoft Edge by Apache Tomcat Server. | 1. Go to Google Chrome. 2. Type www.abcjobs.com and enter. | Click on Register link  Click on Login link  Click on Public link  Click on Reset password link | Loaded registration page  Loaded Login page  Loaded Search Profile page  Loaded Reset Password page | As expected | Pass |
| TS002 | UATC02 | Log-in to community portal with the account that has been created | The website is configured to Browser by Apache Tomcat Server. | 1. Go to Google Chrome 2. Type www.abcjobs.com and enter. 3. User will landing on Home Page 4. Click Log-in button | registered username and password | User will be redirect to user profile page | As expected | Pass |
| TS002 | UATC03 | Reset the password | The website is configured to Browser by Apache Tomcat Server. | 1. Go to Google Chrome 2. Type www.abcjobs.com and enter. 3. User will landing on Home Page 4. Click Log-in button   Click Forget Password button | Registered email address | User will be redirect to Forget Password Confirmation page | As expected | Pass |