**Name** : Huzaif Ahmed Khan

**Course :** SQA

**Batch :** 08

-----------------------------------------------------------------------------------------------

**TEST PLAN**

**CONTACT LIST Web APPLICATION**

*ChangeLog*

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Change Date** | **By** | **Description** |
| version number | Date of Change | Name of person who made changes | Description of the changes made |
| 1 |  | huzaif | Need to add home page |
|  |  |  |  |

1 Introduction 3

1.1 Scope 3

1.1.1 In Scope 3

1.1.2 Out of Scope 3

1.2 Quality Objective 3

1.3 Roles and Responsibilities 4

2 Test Methodology 4

2.1 Overview 4

2.2 Test Levels 4

2.3 Bug Triage 5

2.4 Suspension Criteria and Resumption Requirements 5

2.5 Test Completeness 5

3 Test Deliverables 5

4 Resource & Environment Needs 5

4.1 Testing Tools 6

4.2 Test Environment 6

5 Terms/Acronyms---------------------------------------------------------------------------------------------6

1. **Introduction :**

This project is basically contacts list web application where we can add all contact at one site main function of the application is can **Signup**, **login**, **addcontact.** We want to make sure that these 3 modules are working smoothly for users.

* + 1. **InScope:**

The main scope of this application is to test the functional requirement of the Project so will perform functional testing Our project functional requirement are such as follows. So here our scope is to perform functional testing on these modules listed below.

* Signup
* Login
* Add contact

**1.1.2 Out of scope:**

In the out of scope, non-functional testing lies which we are not going to perform because our scope is to test the functional behavior of our application. Things that are not in included in our scope is listed below.

* Ui / ux testing
* Performance testing
* Security testing

* 1. **Quality Objective :**

The quality objective of our project depend upon the following key aspects such as mentioned below:

* **Reliability** :

The application should be reliable and always available to users.

* **Usability** :

The application should be easy to understand by the users. It user interface should be user friendly.

* **Performance**: The application should not crash down when high number of user interact with it at a time.
  1. **Roles and Responsibilities :**

Detail description of roles and responsibilities of contact list application are as

follows.

1. **QA Engineer :**

Planning and implementation

1. **Manager :**

Prepare documentation of the project and check all bugs again.

1. **Developers :**

Application development.

1. **It Support:**

Person dealing with all configuration, installation of software and hardware providing user support and monitor the system.

1. **Test Methadology :** 
   1. **Overview :**

This project mainly focus on agile methadology. Agile is basically work on iteration. . In this methodology the project is broke down into smaller parts. Every task is completed in short and iterated cycle and feedback is taken on every level.

* 1. **Test Level :**

The test level is the testing level which is carried out in application testing process when the application is under testing (AUT).

**Smoke testing :**

In this we check our application that its main functionalities are working. In our application main functionalities are

* Signup
* Login
* Add contacts

**Unit testing :**

In this stage the application is tested module wise. Each module is tested separately

**Integration testing :**

In this we test the module are working fine

**End to End testing :**

In this phase all application is tested thoroughly every module login, signup, form validation, adding contact is tested with user perspective.

* 1. **Bug Triage :**

The goal of this bug triage is

* To define the type of resolution for each bug
* To prioritize bugs and determine a schedule for all “To Be Fixed Bugs’.

* 1. **Suspension Criteria and Resumption Requirements:**

Suspension criteria defines the criteria to be used to suspend all or part of testing procedure while resumption criteria determine when testing can be resume after it has been suspended. Our suspension criteria is **80%** and resumption criteria is **60%.**

* 1. **Test Completeness :**

In this phase we determine the criteria that how much is our test completeness rate how much test case are passed, fail and suspended etc.

* 85% test coverage is get in our application.
* All manual testcase are executed and is automated as well

**3 Test Deliverables :**

The test deliverable is that we have to given after all process of testing is done. So list of test deliverables are mentioned below.

Test deliverables included:

1) Functional requirement

2)Test Plan

3) Testcases

4) Bug report

5) Automated test scripts

**4 Resouces and Test Environment :**

* 1. **Testing Tools:**

The tool that have been used in testing are as follows.

* Excel sheet/ googlesheet for testcases
* Ms word for identifying bugs
* Selenium for automation
* Java for scripting
  1. **Test Environment:**

This phase include all hardware and software requirement that is been used in our testing. Testing environment for our application used is.

* Window 8 or higher
* Chrome or any browser of latest version
* Ms word latest version
* Selenium 4.3
* Java 8 or higher version
* Eclipse ide for java scripting

1. **Terms / Acronyms:**

The terms or acronyms used in our project are as follows.

|  |  |
| --- | --- |
| **Terms/ Acronyms** | **Definations** |
| AUT | Application under test |