**Test plan**: Testing is one of the important part any software development lifecycle. Test plan defines the test list, which will be performed after developing a specific portion of the system and it will ensures the development of the system in correct way. As a tester of the development team, Different kinds of test need to be performed after implementing a system to find out all the required features are working properly or not. Test plan can I made some criteria for testing and I have to do different kinds of testing to check the quality of final product and it will help to reach the goal. Each test defines the product quality and it also find out if any changes required. During testing phase, the following tests will be performed-

1. Unit Test

2. Integration test

3. Functional Test

4. Usability test

5. Security Test

6. Browser Compatibility test

7. Responsiveness test

Unit test will perform for checking individual units or components of the developed site to determine if there any issues. Integrations testing performed to find out integrated modules of the website work as expected. I will perform Functionality test for ensuring that it has met all the requirements functional tests are used in software development. Usability testing also known as UX testing and this testing method is for measuring how easy and user friendly the developed site. For uncover the vulnerabilities of the test security test need to be performed and it ensures that the system is free from any threats.

**Test Environment**

Device: Laptop (Lenovo ThinkPad E550).

Operating system: Windows 10 Home (64 bit).

Browser: Google Chrome (64-bit), Mozilla

Firefox (64-bit), Internet Explorer.

**Test Log:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Serial No** | **Name of Test** | **Specification** | **Outcome** | **Result** |
| 01 | Unit Test | Check unit tests | Properly works | Passed |
| 02 | Integration Test | All the integrated parts working well | Properly working | Passed |
| 03 | Functional Test | All the functions performing well | Working properly | Passed |
| 04 | Usability Test | Checks usability for uses | Working properly | Passed |
| 05 | Security Test | Checks system security | Secured | Passed |
| 06 | Browser Compatibility Test | Runs properly on every browser. | Working properly | Passed |
| 07 | Responsiveness test | Responsive in every device | Working properly | Passed |