**Test Plan**

A test plan is a detailed document that outlines the test strategy, Testing objectives,resources (manpower, software, hardware) required for testing, test schedule, Test Estimation and test deliverables.

1. **Analyze the product**
   * Who will use the website?
   * What is it used for?
   * How will it work?
   * What are software/ hardware the product uses?
2. **Design the Test Strategy**

* **Define Scope of Testing**
* **in scop** : Functional Testing, Api Testing
* **out of scop** : Database Testing, hardware & any other external interfaces
* **Identify Testing Type**
* Which Testing Types should be focused for web application testing?
* Which Testing Types should be ignored for saving cost?
* **Document Risk & Issues**
* **Create Test Logistics**
* Who will test?
* When will the test occur?

1. **Define the Test Objectives**

* Check that whether website is working as expected without any error or bugs in real business environment
* Check that the external interface of the website such as UI is working as expected and & meet the customer need
* Verify the usability of the website. Are those functionalities convenient for user or not?

1. **Define Test Criteria**
   * Suspension Criteria
   * Exit Criteria
2. **Resource Planning**
   * Human resource
   * System Resource
3. **Plan Test Environment**
4. **Schedule & Estimation**

* Create the test specification
* Perform Test Execution
* Test Report
* Test Delivery

1. **Determine Test Deliverables**

* Test deliverables are provided before testing phase.
* Test plans document.
* Test cases documents
* Test Design specifications.
* Test deliverables are provided during the testing
* Test Scripts
* Simulators.
* Test Data
* Test Traceability Matrix
* Error logs and execution logs.
* Test deliverables are provided after the testing cycles is over.
* Test Results/reports
* Defect Report
* Installation/ Test procedures guidelines
* Release notes