Automation Test Strategy Document

**Automation Feasibility Analysis**

Applications should be stable and object locators should able to identify. Ex:Name,id

We can Automate only Reusable and positive Flows

We can’t automate Everything,

In this step, you check the feasibility of automation. This includes shortlisting the relevant test cases for automation and selecting the right test tool that fits your requirement.

**Test Strategy**

We are going to use Cucumber and maven, cucumber test scenarios are easy to understand by client also, and it will generate good reports

IF we need any data driven scenarios, we will use Excel or properties files

Finally, we are going to use Hybrid Framework(cucumber+maven+POM)

Here, you select the test automation framework. You have multiple options to choose from here. For example, linear test automation framework, data-driven framework, key-word driven framework etc.

**Environment Set Up**

Software:

->Java 1.8 version

->Eclipse and its plugins (maven, cucumber)

-> maven setup

Hardware:

* Min 8GB of ram required

In this phase, you set up the testing environment and acquire the required hardware and software to execute the automated test cases.

**Test Script Development**

We are going to write scrips with respective to pages, so we can easy to understand and easy to modify

In this step, you start creating the automation test scripts. Make sure that the scripts that you have written are reusable, well-structured and well documented.

**Test Case Execution**

We can run tests once new build release

In this step, you execute the test cases that you have written previously.

**Test Result Generation and Analysis**

Once Automation script runs automatically, we can generate sample reports like how many passed and how many failed,

In this last phase of test automation life cycle, you analyze the output of test cases and share the reports with stakeholders.

**Building Blocks of Test Automation Strategy**

The prime objective of any software project is to get a high-quality output while reducing the cost and the time required for completing the project. A good test automation strategy helps companies achieve that. Below is the list of building blocks of automation test strategy: