# Mercury Tours Agile Test Plan

This test plan is revised and updated for every release. But In agile development the test plans are written for each release. And it also can be concise and lightweight. This test plan will only serve the purpose during release of a project.

The agile test plan will address the issues like types of testing done in that iteration, test environments, test data requirements, infrastructure, may be test results too.

**Mercury Tours Agile Test Plan :** Introduction: Brief introduction about the release

* **Resources:** 
  + Test Engineering Team
* **In Scope of the Release:** 
  + Feature Testing (Sprint Features)
  + Smoke Testing + User acceptance Testing + Regression Suite (Mostly Automated Tes)
* **Performance and Load testing: A/B Load Tests**
* **Infrastructure considerations: If any update**
* **DB Updates : If any schema changes etc**
* **Third party Software: If any**
* **Assumptions: If any**
* **Risks: document**
* **Known issues (Bugs): List of Bug (Bug Sheet)**

**We can add more but as it was instructed not more the one page, So I am providing the template only with basic consideration this is an Agile project with Time boxed sprint.**

**Additional Responsibility of QA Member in Agile Team:** (Highlighting couple of best practices I followed over the years)

* In between the sprint QA member get closely associate with Product Owner to provide well defined Acceptance criteria for the story and feature Tests
* QA Member should spend time for listing out known defects
* QA Member should execute the entire Regression suite in Staging Environment
* QA Member should help to define the definition of Done for the sprint
* QA Member is responsible for providing constructive feedback when User Stories are completed from User project Like Usability Testing and Functional Testing

**Steps To Execute Ruby Cucumber Tests**:

1. Install **Ruby 1.9.3 +**
2. Install respective **devkit**
3. Download the Project
4. Go to the **root** of the project
5. Type command $ **cucumber**
6. This will execute tests in series
   * To Execute features in parallel : go to the root of the folder $ **rake parallel:features**
7. **Reports**
   * Right now this framework can generate **json,xml and html report as per the cucumber.yml** profile
8. **CI : Jenkins:**
   * Highly compatible with Jenkins CI and we have cucumber.yml profile for same

\*\*Assumption currently I binded driver with only firefox, later will provide the support for Remote execution + Rest of the browsers and even dockerized remote env for better CI/CD.