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**Cucumber + Selenium + TestNg + Java**

**Description**: This feature will test user survey function ,1) a given user submit with filled data, 2) a given user submit without data

**Background**: Given user is on the user survey page

There are 2 scenarios with 7 test cases:

1. **Positive** (6 scenarios)- User submit with data / options as inputted dataTable. she / he makes successfully

* UserSurvey Data – DataTable
* Verified successfully message – Examples

1. **Negative** - User submit without data, error is thrown

* Verified prompt without data – capture group

**Highlighted Checkpoint:**

1. Multiple browser
2. Testing Env (Production / UAT)

**The automation testing is to resolve multiple browser and different env in a single set.**

**Code Challenge:**

1. Maintain web elements in property file: - once ui is changed, the source code (testing script ) does not require to modify or it can be easy
2. Manage test Env with background – This is a common step which can be applicable for each scenario.
3. Manage test data: dataTable, Capture group – data is flexible / easy to be fetched.
4. Manage test steps: Alternation – It is to match multiple steps with the specific description in feature file
5. Handle multiple selections as inputted dataTable – This one is coding logic to select options as given data in feature file
6. Assertions - Throw exception avoiding from script broken in case one cases is failed.
7. Multiple browser - TestNG

**Tools:**

Cucumber

Java (Maven)

Selenium Web Driver + TestNg

Google Chrome / FireFox

7 scenarios in 2 browsers : 54s