**Testing Strategy For TransCoding Jobs Suite**

**1)** Which questions would you ask the product owner and the development team in order to plan the tests?

* Before planning the tests there should be a test strategy documentation, that describes how we can plan to test the suite.
* The iteration of test cases should be based on the central server configuration and worker servers or there is a need to test the central server at once and if cache is present that leads to stop the ambiguity of repeating the testing on central server again and again?
* Is there any Synchronization between central and worker servers or data which is displayed on UI should be cross checked from central server or worker server Database layer as well?
* Is there any crone job present in getting the fresh data from central server and if yes, the time of refreshing the database dump to check if data on UI is correct or not?

**2)** On a high level, which tests would you perform for this scenario?

In the initial phase, I would like to do the Smoke testing for checking the basic functionality is working or not(Bring Up test).

The testing for main module will be like in this sequence:-

1)Functional Testing of Individual modules.

2)Sanity Testing of same suites features.

3)Regression Testing of the whole module suite

4)Integration Testing with Configurations.

5)System testing(End to End Testing).

**3)** Which factors would you consider when deciding on a suitable strategy for automating regression tests for this scenario?

a) The most important point while performing the automated regression suite in my understanding is if execution of one module is not dependent on other module, like:-

Let's take an example of Execution of a Test case 1 , Which leads to the Change in the Application server configuration, After execution of Test Case 1 completed, When Test case 2 will be executed, The neutral configuration on Application server should be present, Otherwise the whole upcoming module will be effected from the previous executed suite.

b)Which Automation technique will require less CPU utilization and fast execution:-

There should be some discussions on which technique is better in what case, like, Sometimes automation from Apache POI for small module gives better performance than selenium integration and vice versa.