**Coding Tasks**

**Instructions how to run it and short description of components, including external libraries**

**UI Automation:**

I used IDE eclipse, with red.xml for handling robot files.

Library: Selenium Library

Have created page objects locator in pageObjects/locator.py file

User defined keywords are under Resources folde

Tests are under Tests folder

First you have to run TC001 , so that the test data added in the files would present in your local db

Then can run the remaining test in any order or together

This test would work in other IDE also

**API-Automation**

**Eclipse IDE** with Pydev project

Imported Modules: requests, unittest,json,jsonpath

Test data is handled in Configuration/config.ini file, you can add your test data there, or create a user with the same test data in ur local

Reading the test data file is handled in Utility/readConfigData.py file

Tests are under Tests package

**Description about taken approach and potential gaps in application**

Oher than Acceptance criteria, have created all other functional and non-functional validation in both front and back end.

If the Post method was available, we can directly get the data, no need to edit the data file before using by other member.

Post method was throwing bad requested, which blocked all the major functional testing related to this API

Get - /api/users was not autheticated with token

In UI not much functionality defects were there, but have to implement lots of new feature to improve the quality of the (Which have mentioned in other doc)