

TASK 1

1. Where would you start? What would be your first steps?

Get to start understanding the wireframes/feature of the application that is built. Get to know available REST APIs and come up with test strategy of different kinds of testing that are relevant and that can be cover the application.

2. Which process would you establish around testing new functionality? How would you want the features to be tested?

I would plan to have more test coverage for APIs compared to UI in Test automation. Get the test environment ready and Start testing the application manually first to get to know then automate all the test cases. First I would start writing test plan covering all test cases and then decide on how many could be automated

3. Which tools would you suggest using to help your team with a daily work?

Test Management tool as JIRA is good for writing Test Cases and tracking Bugs

Test Automation development framework – Pytest

Web UI automation – Selenium Webdriver

Manual testing – POSTMAN, cURL for API testing

4. If you would do a test automation which techniques or best practices would you use the application?

I would prefer automating the test cases that are -

1. Repetitive tests that are run for multiple builds
2. Test which require multiple data sets for input
3. Tests that run on various hardware or software platforms and configuration
4. Tests that take lot of effort and time when do manually
5. Tests which are complex or hard to perform manually
6. Frequently used functionality that can introduce high risk

Find the different types of testing (i.e. Functional and Nonfunctional) and look at percentage of coverage on testing the number of cases in API and UI through test automation. Come up with test steps that covers various aspects of the application's behavior. Use Page Object model for while writing test cases and have better reusable modules and keep it small in the test suite with test data maintained in json format.