# Task 3 Solution:

Integration testing with third-party tool is considered in agile development phase. Integration issues will be reported to vendor and ask for support.

# Task 4 Solution:

Cucumber with Rest-Assured API automation framework can be built to automated component level testing. Selenium with Cucumber framework will be best suited to test functional and system level test automation. Exploratory test can be designed manually in Test Management Tool, TestRail.

Rest-Assured API with Cucumber will be used to test integration with Third-party APIs.

Defects will be tracked using Jira. The relevant information and tracking for the resolution of defects will be logged in Jira.