The team decides to cover the seat reservation section with automated tests to catch possible

regressions in the future.

**How would you approach this?**

A:

1. I will make sure if all the areas have been covered using manual testing
2. Once the manual test cases are completed, at least one iteration of tests should be completed before going into automation testing
3. With the team we will find out which features needed to be automated
4. We will need a coverage tool through which we can achieve 100% code coverage, for example as we are already using JIRA, Xray would be a good option.
5. Setup a test strategy for Test Automation
6. Add your code in CI platform
7. The reporting tool should be good enough which is easily understandable to developers and product owners, reporting tools: such as Allure

**What are the benefits and drawbacks of automated tests vs manual testing?**

A:

|  |  |
| --- | --- |
| Automated Test | Manual Test |
| Execution speed is faster | Execution speed is much slower |
| Easy to maintain and robust | Hard to maintain |
| Best for large database testing | Impossible to test large database |
| Cost increases if tester writes codes even for one time feature | Can easily and quickly test one-time features |
| Difficult to run complex tests | Easier to run complex test |
| Can’t perform Adhoc or Exploratory tests | Can perform Adhoc or Exploratory tests |
| Reporting is better then Manual Tests | Has to manually create reports |
| Can include logs in bug reports | Has to use different tool for finding out logs |