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**1. Why we use test automation?**

- Automated testing saves time: every time source code is modified software tests should be repeated. If manually repeating these tests is costly and time-consuming. Automated tests can be run over and over again at no additional cost and they are much faster than manual tests.

- Higher test coverage: manual testing puts limits on how many tests we can verify. Automation allows us to spend time writing new tests and adding them to our automated test suite. This increases the test coverage for our product, so more features are properly tested resulting in a higher-quality application.

- Better insights: automated testing provides better insights than manual testing when some tests fail. Automated software testing not only gives insights into the application but also shows you the memory contents, data tables, file contents, and other internal program states. This helps us determine what’s gone wrong.

- Automatically insert data from file (in this project we use Katalon Studio, data in Excel files).

**2. When we use test automation?**

- Optimize the Speed & Efficiency

- When there is a repetition or a need to run the test cases a lot number of times in a test cycle.

- When there are number of test cases under one test-suite. In this case we’ll feel tired after executing each test cases from that test suite, then automation can provide we better results.

- When there is a requirement of running the test cases in a defined order.

- When we need to run the same test cases on different machines at the same time.

- When you need to test single functionality with multiple data sets.