

Why and when do we use test automation?

- Reason why:
 - + Automation test increase dependability: Automation test operate on a strict procedure so it can avoid human error.
 - + Reduce testing time: Testers can conduct more test in less time and less effort than manual test.
 - + Test reuse: Automation test can be reuse even the software UI change.
 - + Programable: Automation test can be programmed to detect more information from the software.
- When:
 - + Regression testing: For re-testing preexisting application functions that are being carried forward to new versions
 - + Smoke testing: When making the verification that software is ready for functional test
 - + Static & Repetitive Tests: For automating testing tasks that are repetitive and relatively similar from one test cycle to the next
 - + Data Driven Testing: For testing application functions where the same functions needs to be validated with lots of different inputs & large data sets
 - + Load & Performance Testing: There are no viable option to perform these tests manually