**19127525 – Nguyễn Thanh Quân**

**Why do we need to use test automation ?**

* Test automation help team saves a lot of time
* Faster Feedback Cycle
* More accuraccy than manual testing because it always runs according to the script.
* Reuseable of test suite
* Much faster than manual testing
* Higher test coverage

**When do we need to use test automation ?**

* When the cost makes sense
* When you are using repetive tests:
* If you are running the same test again and again without changing it, the likelihood is it would be much more time efficient to automate.
* When time will be saved
* Every engineering and QA team needs more time. Especially when contending with lightning-quick SDLCs, any time-saving activity can have a huge impact on your team’s productivity.
* When quality is sure to be improved
* Automation removes the possibility of human error. For that reason, in some scenarios quality can be dramatically improved by the use of automated testing. But you can also run hundreds of tests at once, meaning you will deliver a well-tested product that can be re-tested time and time again.
* When you need to run multiple tests at once