Student ID: 20127213

Name: Le Dang Minh Khoi

**Why and when do we use test automation?**

* Why do we use test automation:

Testing in software development is a intensive work and are perform constantly during the implementation phase. If testing is done only by manual, its will take a lot of time and became repetitive. Auto testing will minimize the repetitive task of the testing phase because its will be done by the machine with a set script/recorded action. With auto testing applied, tester can use its to test all repetitive test-case by machine, used all the saved time from that to test a special case that not happen much but can be potential defect. Because the test-case its done by the machine, its will also reduce human error as the machine can done task with higher accuracy compare to human

* When do we use test automation:

As mentions, test automation can be used when the test is repetitive. If the test-case is applied to many machine or run multiple test on a single machine, test automation is used to reduce time cost. If the test-cases are run a lot during development, test automation will also help. Overall, if there is a potential time saved, there is a change test automation will help/necessary.