**19127449 – Phùng Anh Khoa**

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

1. We use testing automation to avoid having to re-test repetitive actions, this reduces testing costs.
2. Testing like this will help avoid missing small errors, increase accuracy.
3. Can replace current testers, reducing rental costs when the application is developed for a long time
4. Automated software testing process works on thousands of different complex test cases which is not possible with manual testing
5. Helps speed up testing
6. Automated Testing provides more features

An automated test suite can help you with more features—for example, simulating thousands of virtual users interacting with your web application in order to see how the application behaves. It’s impossible to simulate this kind of behavior by doing manual testing. Features like this save developers a lot of time!

1. Faster Feedback Cycle

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

1. We use testing automation when you want to use repetitive tests and want your software to improve or you want to run multiple test at once
2. When you are using repetive tests:
3. When time will be saved
4. When quality is sure to be improved
5. When you need to run multiple tests at once