**PA05 – Rekt**

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Why Automated Testing?

* Automated Software Testing Saves Time and Money

Software testing should be repeated every time your source code is modified. Hence, manual testing, which require human resource, may be very time-consuming and costly. While, the automation test can be run over and over again easily.

* Improves Accuracy and Speed

Furthermore, in the long run, manual testing may be inaccurate due to human mistake, thereby unreliable. In contrast, automated test is executed by machine, so it conducts no mistake and faster as well.

* Automation Does What is impossible in Manual Testing

For example, you want to test a web-based application which may have 1000 users at a same time, then automation testing enables us to simulate such large number of users.

When to Use Automated Testing?

* Automated testing requires a higher initial investment for tools, technologies, skills training, so use it when your project has sufficient budget.
* When your project requires continual adaptions and iterations, resulting in the need to repeat testing process.
* When you want to conduct the load and performance testing in which you have large number of concurrent users.
* When the software requires a repetition of a specific task each time testing.