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Why do we use test automation?

1. **Save time and reduce manpower**, this is a very important reason why we have to use automated testing. Running lengthy tests is hard to schedule manually as they cannot be left unattended or require large amount of human resources. One automated testing engineer can have you covered at all times. We can use that time and manpower, to manually check the more complex, error cases that the script cannot check.
2. **Reusability**. The scripts for testing can be reused when upgrading the version, or even changing the product interface.
3. **The quality of testing it delivers is formidable**. Automated testing increases the depth and scope of tests to spot even the smallest imperfections. Avoiding human-made errors during testing, such as data entry. What we need to do is create good scenarios that cover all cases.

When do we use test automation?

1. **A large project needs automation testing**. Because if you have to regularly perform large projects, then use test automation, because basically the price you pay for these tools is not cheap, compensate for what you get in return from it.
2. **When you are using repetitive tests**. If you are testing for the purpose of evaluating the performance and stability of the product, long and concurrent testing is necessary. This is exactly what test automation is supposed to do, no one would hire an entire team to sit and test all day.