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Test project: PA6 – Test Automation

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

There are two kinds of testing in the world of software—manual and automated. While manual testing takes time and money, automated testing reduces test time and project duration. Moreover, we should use test automation for some reasons:

* Difficult to do manual testing in some situations
* Multilingual sites
* Performance test
* Security test
* Automation helps increase test coverage
* Manual testing can become tedious and error prone

If you can automate a process, you can make it quicker because AI and robots can execute a lot of tasks a whole lot quicker than humans can. But when it comes to quality, automated testing isn’t always the best way to achieve a fantastic product. In fact, in some scenarios, automated testing can actually be a burden for QA teams, contributing to higher costs and missed bugs.

Test automation works best for some testing

* High risk, business critical test cases
* Test cases that are executed repeatedly such as regression test
* Test cases that are very tedious or difficult to perform annually
* Time consuming test cases
* Performance tests
* Load tests
* Security tests

Generally, REGRESSION testing

* Testing functionality that has been tested before in earlier iterations