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Project in Katalon (LeTanKiet.zip): Automated testing in Booking a hotel with 2 test-cases

- Customer book a room
- Customer book a room with coupon code

Question: Why and when do we use test automation?

Answer:

We need to use automation testing because of its “automatic” ability. Testing process needs many operations such as click button, scroll cursor, enter each data into the textbox and needs multiple datasets to cover the full functionality. With manual testing, testers have to do all the steps by themselves, this consuming many times, costs a lot of effort and causes many mistakes.

With automation testing, just create a script for each test case that it can run through the software development process by binding test data from .csv or excel file without any extra cost. Thereby, it can make the test process quicker, run multiple tests at once, helps test coverage by increasing test data, decrease mistakes from manual tests by tester, helps testers have more time to think, create multiple test cases instead of clicking each button, entering each data.

We use automation testing when this feature needs sequential operation, application return results highly depend on input test data, so the test process needs repeating many times with each set of data. A test case that needs many data sets to ensure Test Coverage will be suitable for automation testing. Because it's an automated tool, there are many limitations. Such as it can't handle UI Automation Testing without supervision, can't test for specific visual components like font size and cohesion or image color