When we need an automation (4-5 reasons)

1 If you have a lot of regression
2 If you have few people in team and you need to test a lot of tasks, to run autotest at night time (budget)
3 load testing, stress testing, performance testing, unit testing
4 generating big test data to save a lot of time (semi automation)
5 if you have short time between releases or short period of time for testing a lot of tests
6 complicated functional of a system with microservices
7 if automation can help to avoid manual input mistakes (human factor)
8 if you need to test each possible value for each function individually
9 safe many, automation is cheaper comparison with manual testing for a long period

What doesn't need to be automated?
1. tests that cannot be automated due to any limitations (usability, user interface)
2. tests, the result of which is variable (successful - unsuccessful).
3. new functionality (initial stages of development)
4. rarely reproducible user scenarios
5. tests that require changes too often
6. short application life cycle
7. one-time functionality
8. exploratory testing