CS 5154: Software Testing

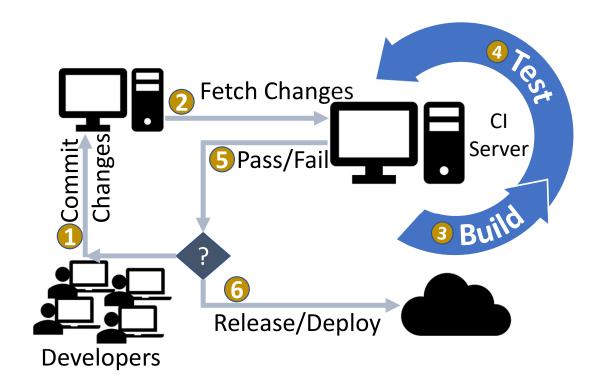
Test Automation Demo

Owolabi Legunsen

CS5154 is organized into six themes

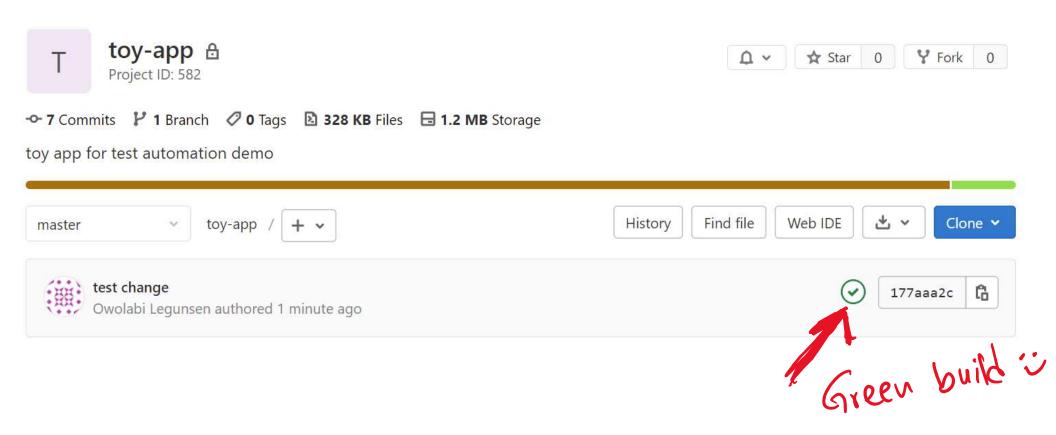
- 1. How to automate the execution of tests?
- 2. How to design and write high-quality tests?
- 3. How to measure the quality of tests?
- 4. How to automate the generation of tests?
- 5. How to reduce the costs of running existing tests?
- 6. How to deal with bugs that tests reveal?

Continuous Integration



What is your experience with CI?

Demo: Cl in action



Let's break down our CI run

- cs5154work
- Git
- Junit
- Maven
- GitLab

Using cs5154work

ssh \${id}@cs5154work.coecis.cornell.edu

Replace \${id} with your Cornell Netid

Pro Tip:

ssh-copy-id \${id}@cs5154work.coecis.cornell.edu

Following along

wget https://www.cs.cornell.edu/courses/cs5154/2021fa/resources/test-automation.zip

unzip test-automation.zip
cd test-automation
see README.txt

