5.18 - Testing

Saturday, December 6, 2025 10:32 AM

Testing

- → Regression Testing
- → Black Box
- → White Box
- → Manual
- → Automation
- → Unit
- → Integration
- → Load Testing
- → Perf Testing.

2023] World cup] → [1 saal]

↓

Project Pym → 10cr

[Unit Tests]

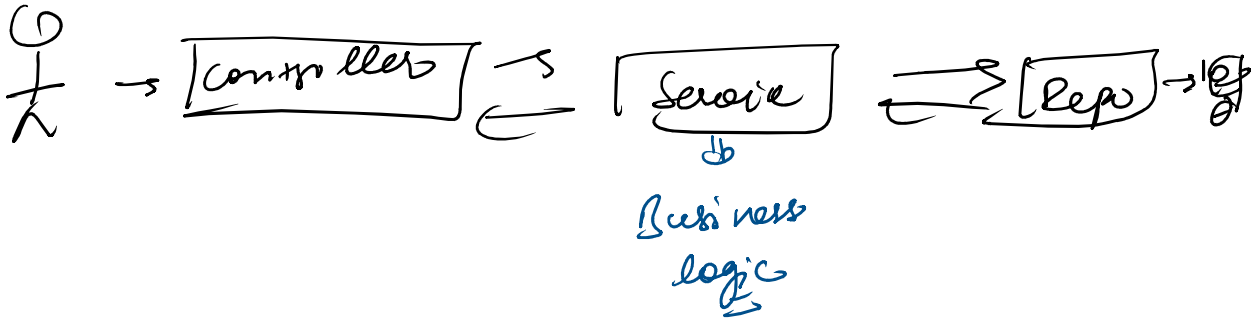
→ Unit testing is testing an individual working unit of code independent of external dependencies.

Calculus {

int add()

int subtract()

int multiply()




```
Service {
    func() {
        save(list);
        repo.save(list);
    }
}
```

Junit 5

Junit 5 = Jupiter + Platform + Vintage

Jupiter: new features of Junit 5

Platform: actually compiles and runs the tests

Vintage: Junit 4

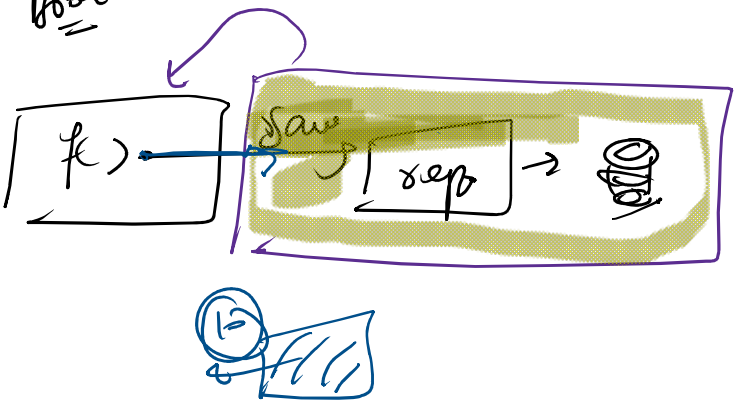
Naming of unit tests is very imp. The name ... what the tests

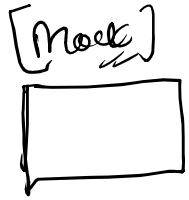
⊛ Naming of unit tests is very imp. The name of the test should clearly indicate what the test is trying to do.

⇒ We write multiple unit tests for a single unit/method to cover all possible scenarios.

⇒ @SpringBootTest ; It loads the entire Spring Context while running the test class.

Unit Testing in Spring Boot





[Mockito]

AAA principle

- Arrange → arrangements
- Act → actual call to be tested
- Assert →