Architecture Tests

Philip Baumann

Architecture Tests

- Different Kind of tests
- Behaviour oriented
- None of them tests our design
- Set of Rules

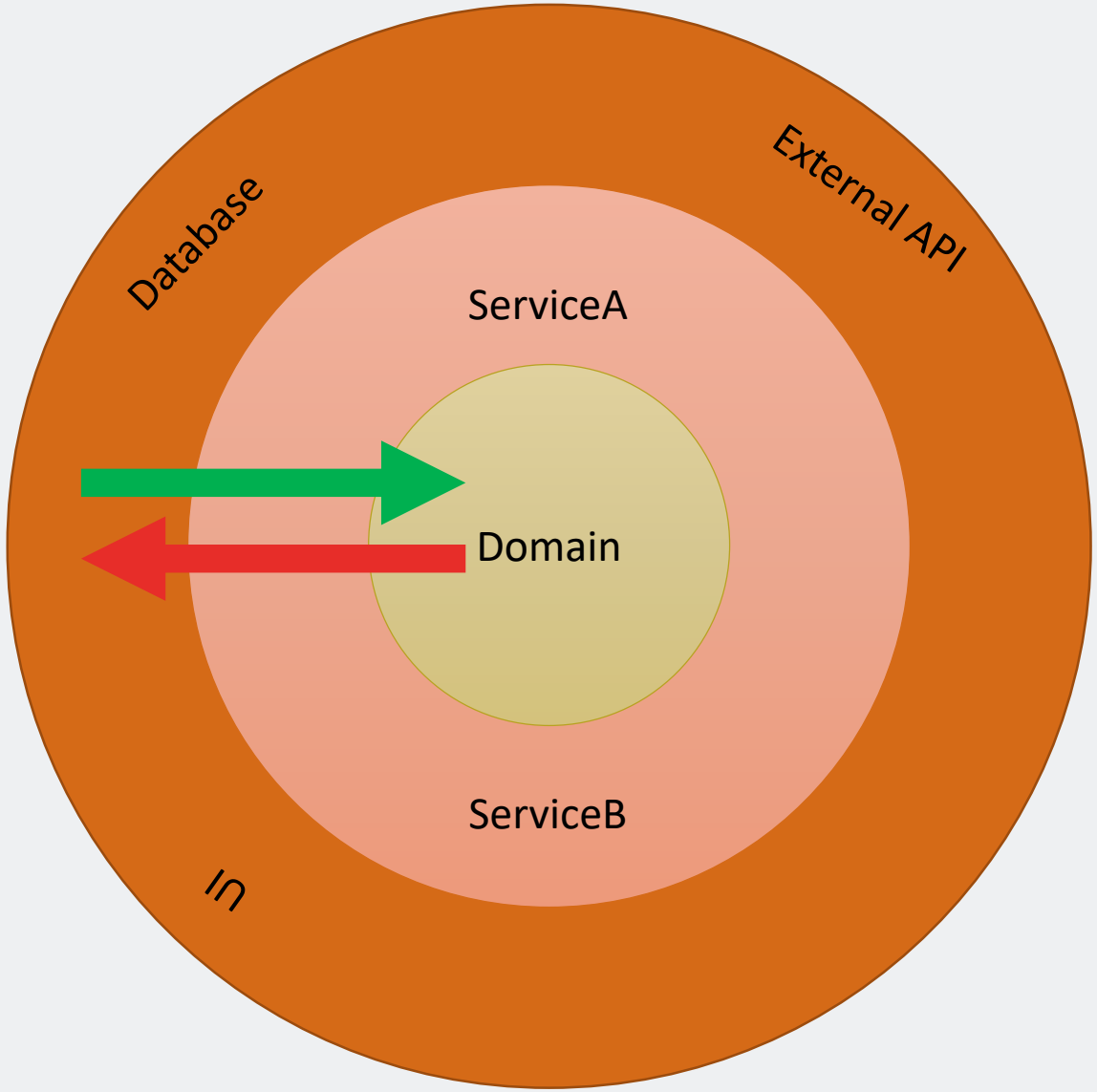
Testing Architecture

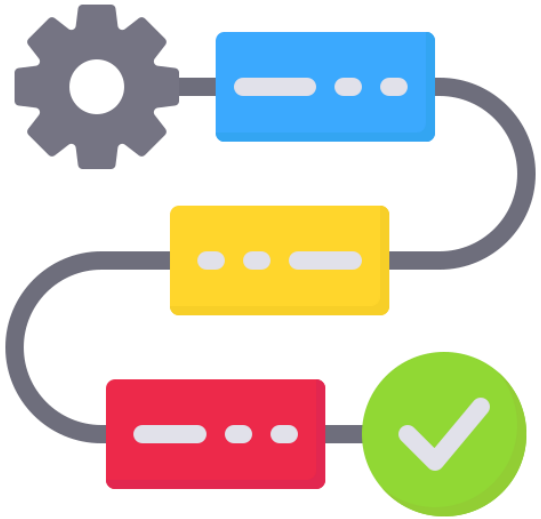
- Evolution of a project
- Fix a bug ≠ Fix design
- Guideline for employees

Use Case Test Naming

```
@Test
    void should_make_sure_that_tests_start_with_should_and_dont_end_with_test_in_name() {
        final JavaClasses importedClasses =
            new ClassFileImporter().importPackages("my.special.package");
        final ArchRule methodsStartingWithShould = methods()
                .that()
                .areAnnotatedWith(Test.class)
                .should()
                .haveNameStartingWith("should")
                .andShould()
                .haveNameNotEndingWith("test")
                .because("We decided that this is our naming convention");

        methodsStartingWithShould.check(importedClasses);
    }
```


Database
External API
ServiceA
Domain
ServiceB
UI



Use Case

```java
@Test
    public void onion_architecture_is_respected() {
        final JavaClasses classes = new ClassFileImporter().importPackages("my.special.package");

        onionArchitecture()
                .domainModels("..domain.model..")
                .domainServices("..domain.service..")
                .applicationServices("..application..")
                .adapter("persistence", "..adapter.persistence..")
                .adapter("controller", "..adapter.controller..")
                .check(classes);
    }
```

Conclusion

- One time thing
- No Guarantee
- Fluent coding
- Very easy to learn
- Powerful

Thank You

Philip Baumann

philip.baumann@css.ch

@philip_baumann

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