

The art of heavy lifting.

ThoughtWorks

Acceptance Testing in Agile Projects

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Introduction

- Acceptance Testing
- Agile Projects
- Acceptance testing in Agile Projects
 - Start testing early.
 - Successful acceptance test determines completion of functionality.
 - Continuous testing.

Acceptance Testing (Automated / Manual)

New Breed Of Tools

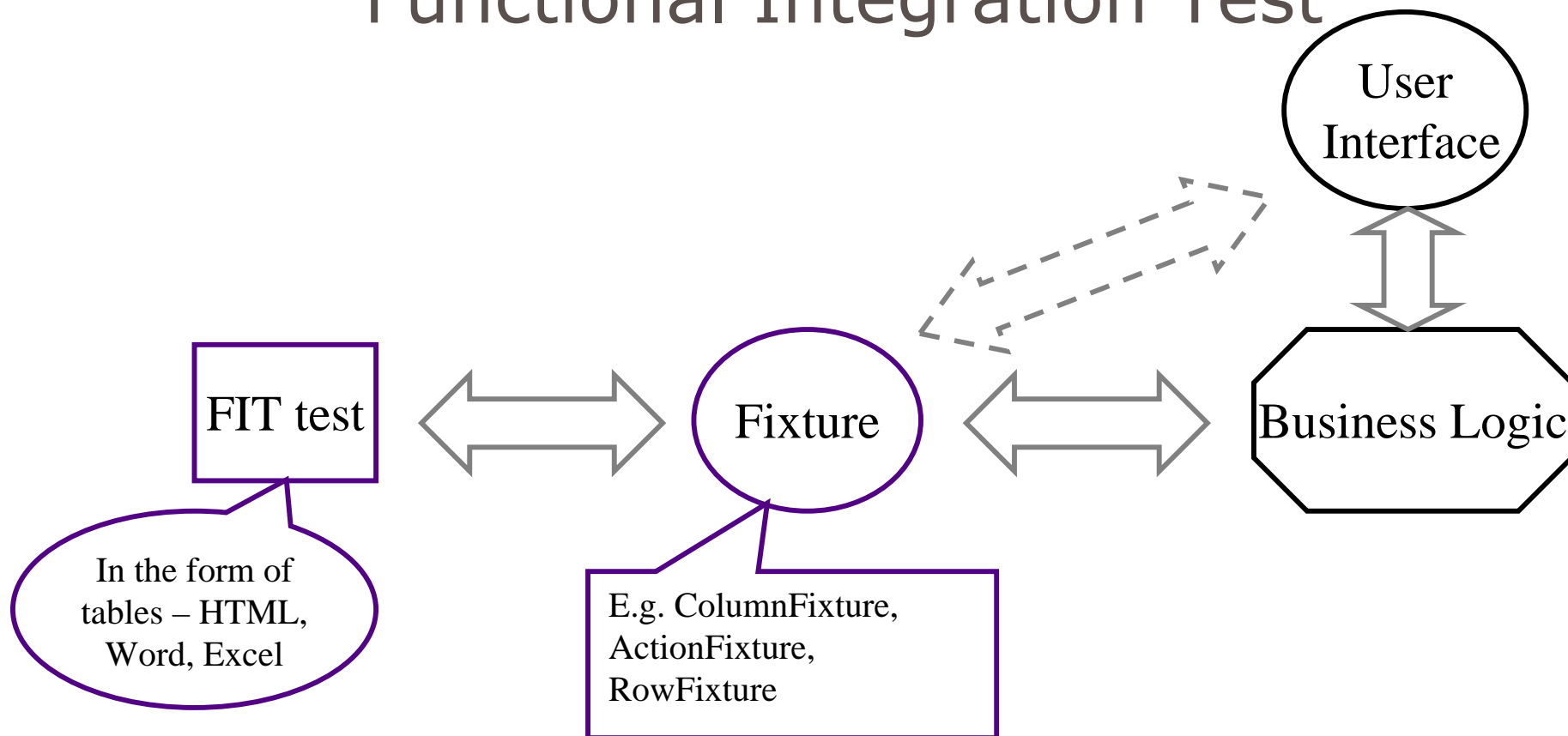
- Cost effective
- Created using tools like Word, Excel
- Can be written before the code
- Written in the domain terminology

Different tools available

- FIT (<http://fit.c2.com>)
- Exactor (<http://exactor.sourceforge.net>)
- Selenium (<http://selenium.thoughtworks.com>)
- Watir (<http://wtr.rubyforge.org>)
- Fitnesse (<http://fitnesse.org>)
- FAT Cow (<http://opensource.atlassian.com/fatcow>)

FIT

Functional Integration Test



Sample FIT Test

Test

FitFixtures.EmployeeDetailsFixture		
FirstName	LastName	GetSalary()
Dilip	Kumar	10000

Result

FitFixtures.EmployeeDetailsFixture		
FirstName	LastName	GetSalary()
Dilip	Kumar	10000

Test

FitFixtures.EmployeeDetailsFixture		
FirstName	LastName	GetSalary()
Dilip	Kumar	20000

Result

FitFixtures.EmployeeDetailsFixture		
FirstName	LastName	GetSalary()
Dilip	Kumar	20000 <i>expected</i>
		10000 <i>actual</i>

Benefits of FIT

- Simplicity
- Learning curve
- Customers participation
- Increased visibility
- Test driven bug resolution
- Easy to increase test coverage

Limitations of FIT

- Data driven testing
- Reusability
- Syntax validation
- GUI-driven testing

SharpRobo

<http://sharprobo.thoughtworks.com>

Questions?