

WHAT IS TEST DRIVEN DEVELOPMENT (TDD)

Test-driven development (TDD) is a software development process based on three simple rules











TDD RULES (FROM UNCLE BOB MARTIN)

1. You are not allowed to write any production code unless it is to make a failing unit test pass











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- 1. You are not allowed to write any production code unless it is to make a failing unit test pass
- 2. You are not allowed to write any more of a unit test then is sufficient to fail; and any compilation failures are failures

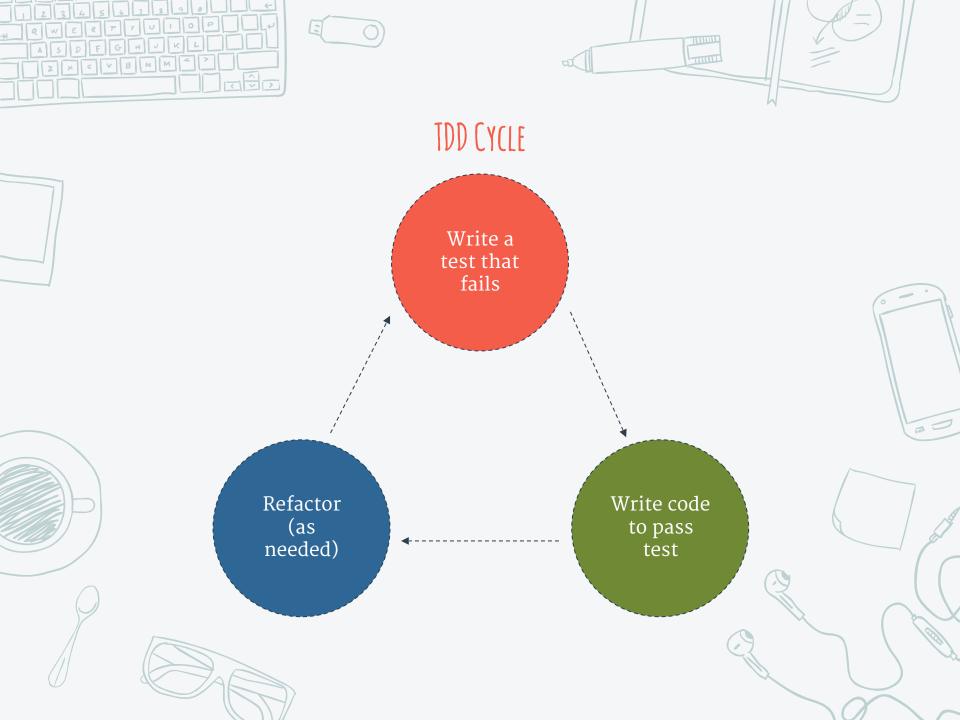








- 1. You are not allowed to write any production code unless it is to make a failing unit test pass
- 2. You are not allowed to write any more of a unit test then is sufficient to fail; and any compilation failures are failures
- 3. You are not allowed to write any more production code than is sufficient to pass the one failing unit test









- **★** If number is divisible by 3, print Fizz
- **★** If number is divisible by 5 print Buzz
- ***** if number is neither, print number











WRITING ASSIGNMENT 1

* http://
web.engr.oregonstate.edu/
~hiltonm/classes/cs361/
assignmento.html











TEAM PROJECT ASSIGNMENT 1

* http://
web.engr.oregonstate.edu/
~hiltonm/classes/cs361/
assignment1.html













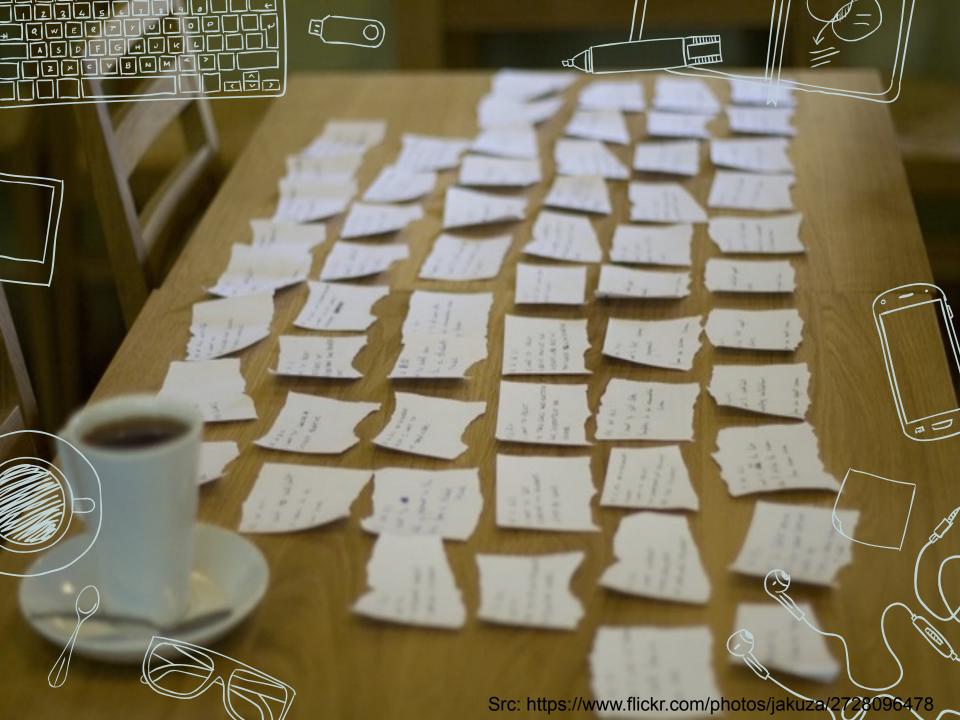
USER STORIES

- * The Card
- **★** The Conversation
- **★** The Confirmation













THE CARD

"As a [role], I want [function], so that [value]"

Often written on 3x5 card













THE CONVERSATION

An open dialog between everyone working on the project and the client

Split up Epic Stories if Needed











THE CONFIRMATION

A test that will show when task is completed

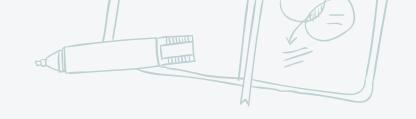
Could be automated, or a script











CREDITS

Special thanks to all the people who made and released these awesome resources for free:

- * Presentation template by <a>SlidesCarnival
- **★** Photographs by <u>Unsplash</u>





