



codemanship
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Test-driven Development

From Hell



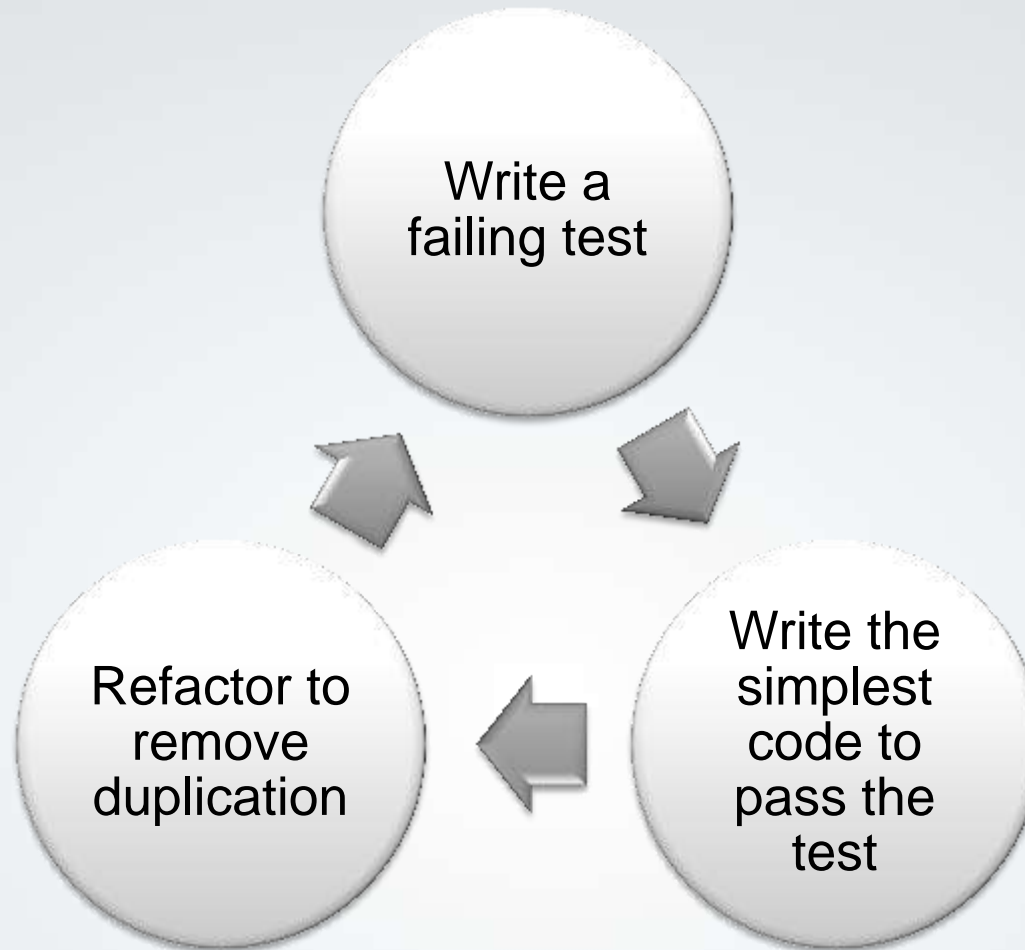
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Well, Duh!

WHAT IS TEST-DRIVEN DEVELOPMENT?



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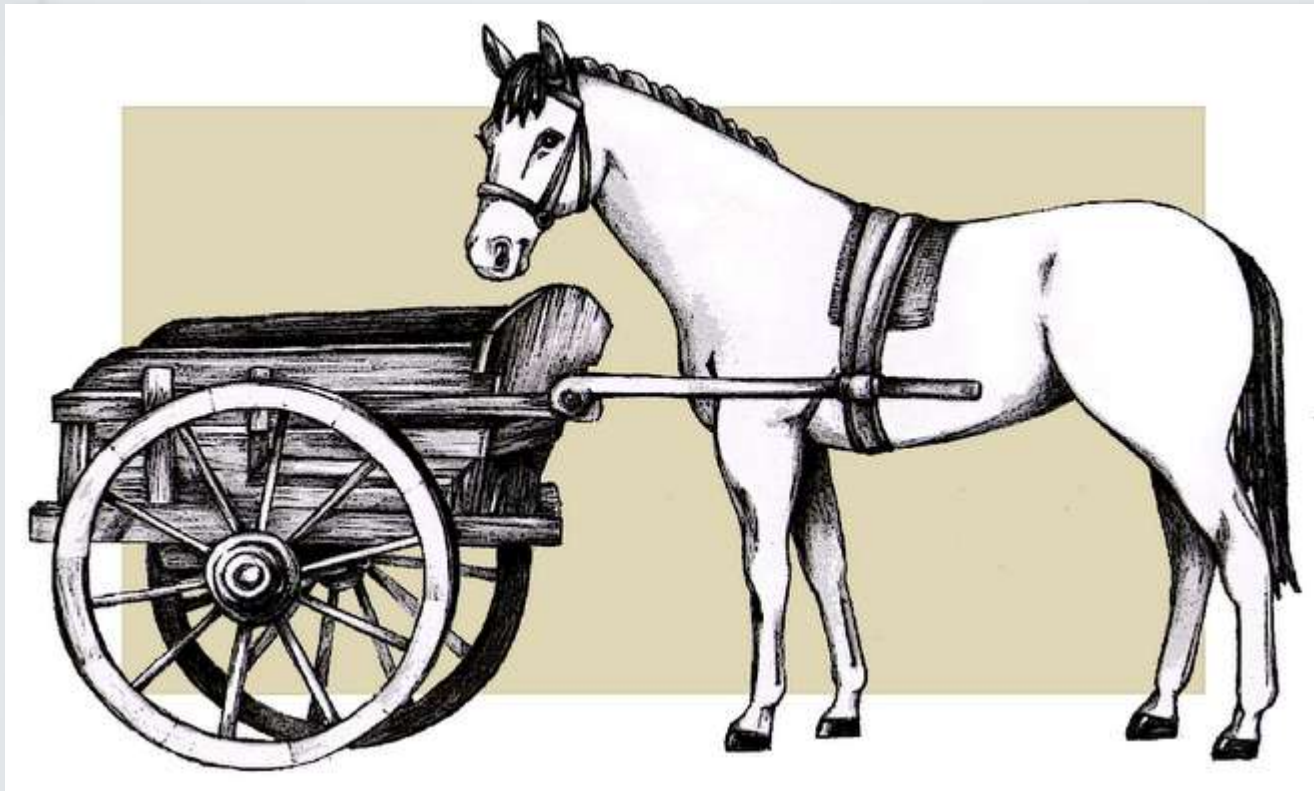
Habits For Effective TDD

TDD PATTERNS

Write A Failing Test First



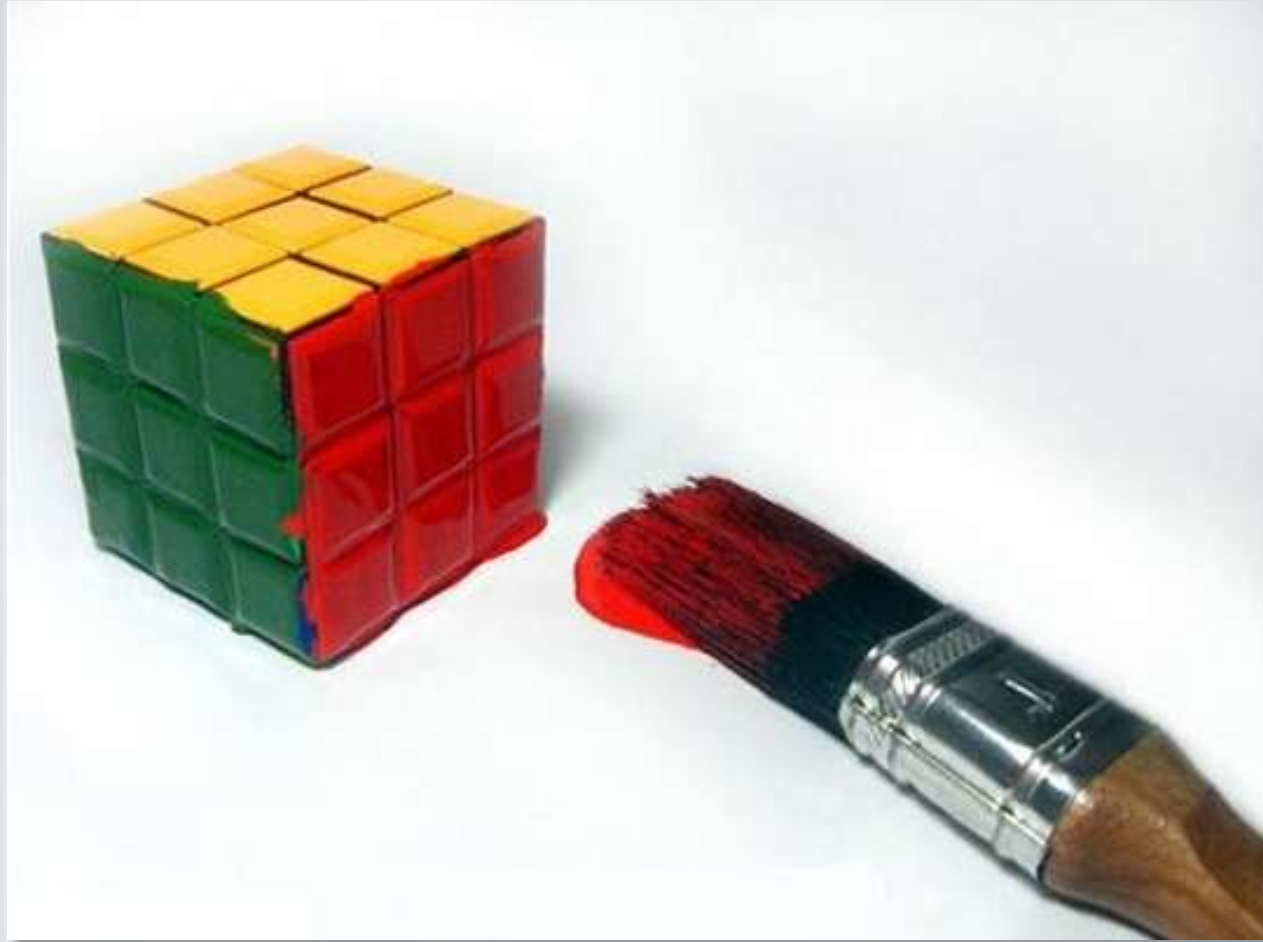
Write The Assertion First And Work Backwards



Run The Test To See It Fail



Write The Simplest Code To Pass The Test



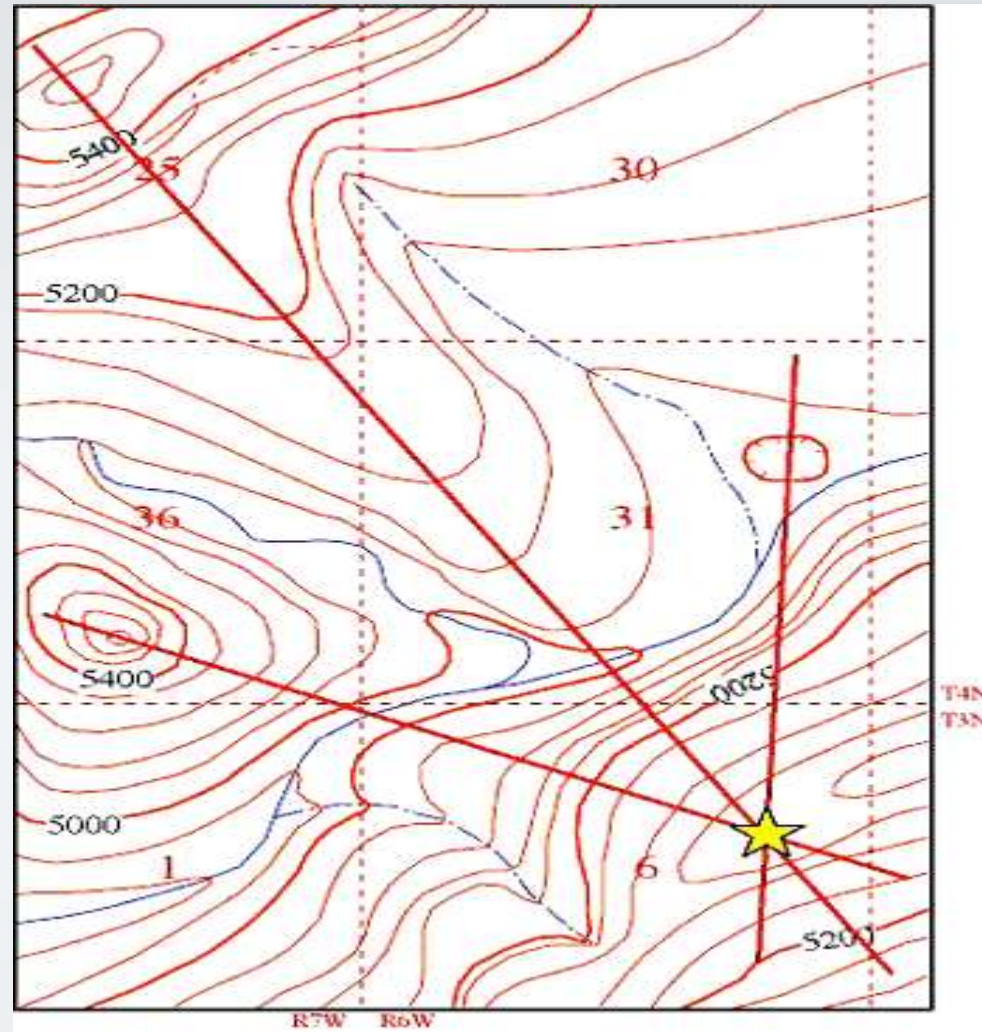
Refactor To Remove Duplication



Write Meaningful Tests



Triangulate



Keep Test & Model Code Separate



Isolate Your Tests From Each Other



Organise Tests To Reflect Model Code



Maintain Your Tests



Tests Should Test One Thing



Don't Refactor With A Broken Test





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**MWAH-HA-HA-
HA-HA ETC**

TDD From Hell

UR DOING IT WRONG



The Kata

- Doing TDD as diabolically as you can, write a *working* program that converts decimal integers into roman numerals ranging from 1-3,999
- Break as many of these “rules” as you can writing the least amount of code
 - Write a failing test first
 - Write the assertion first
 - See the test fail
 - Write the simplest code to pass the test
 - Refactor to remove duplication
 - Write meaningful tests
 - Triangulate
 - Keep test & model code separate
 - Isolate tests from each other
 - Organise tests to reflect model code
 - Maintain your tests
 - Tests should test one thing
 - Don't refactor with a broken test



I	1
II	2
III	3
IV	4
V	5
VI	6
VII	7
VIII	8
IX	9
X	10
XI	11
XII	12
XIII	13
XIV	14
XV	15
XVI	16
XVII	17
XVIII	18
XIX	19
XX	20

XXI	21
XXII	22
XXIII	23
XXIV	24
XXV	25
XXVI	26
XXVII	27
XXVIII	28
XXIX	29
XXX	30
XXXI	31
XXXII	32
XXXIII	33
XXXIV	34
XXXV	35
XXXVI	36
XXXVII	37
XXXVIII	38
XXXIX	39
XL	40

XLI	41
XLII	42
XLIII	43
XLIV	44
XLV	45
XLVI	46
XLVII	47
XLVIII	48
XLIX	49
L	50
LI	51
LII	52
LIII	53
LIV	54
LV	55
LVI	56
LVII	57
LVIII	58
LIX	59
LX	60

LXI	61
LXII	62
LXIII	63
LXIV	64
LXV	65
LXVI	66
LXVII	67
LXVIII	68
LXIX	69
LXX	70
LXXI	71
LXXII	72
LXXIII	73
LXXIV	74
LXXV	75
LXXVI	76
LXXVII	77
LXXVIII	78
LXXIX	79
LXXX	80

LXXXI	81
LXXXII	82
LXXXIII	83
LXXXIV	84
LXXXV	85
LXXXVI	86
LXXXVII	87
LXXXVIII	88
LXXXIX	89
XC	90
XCI	91
XCII	92
XCIII	93
XCIV	94
XCV	95
XCVI	96
XCVII	97
XCVIII	98
XCIX	99
C	100
D	500
M	1000



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