Implementing PROGRAMMER ANARCHY

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Emerging Experiences at...



+ C-level executives understand this Agile is a Social Change

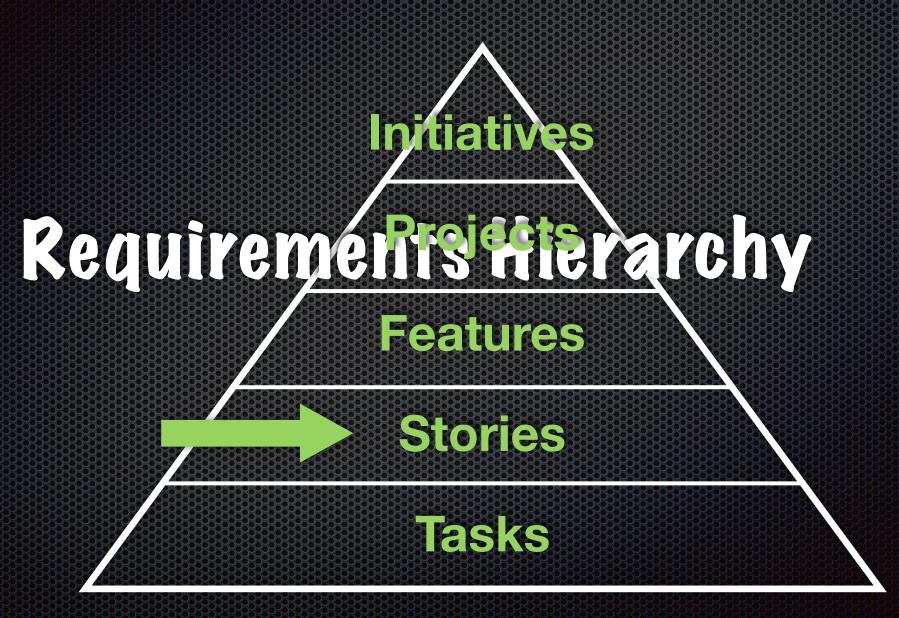
* Middle management scared of this

+ Result: Half-baked Agile implemented

- + Development driven by stories
- Agile Side Effect:
 Agile Side Effect:
 Priority set by customer
 Story-Lyele Himates and metrics

Problem:

Developers become disconnected from business problem (Drones)



Agile Roles

project manager iteration management manager

Agile Roles

business

customer

BA QA

development

progr**developer**rchitect UI designer

Anarchy Roles

- + Customer
- + Project manager
- + Pusinoss analyst
- + Developer 🗸
- + Quality annuvance / tester
- + Manager of programmers



Fate of Roles:



- + QA tools are Programming tools
- iteration manager

- + Selenium
- + Cucumber
- + Service Architecture creates complex systems

Agile

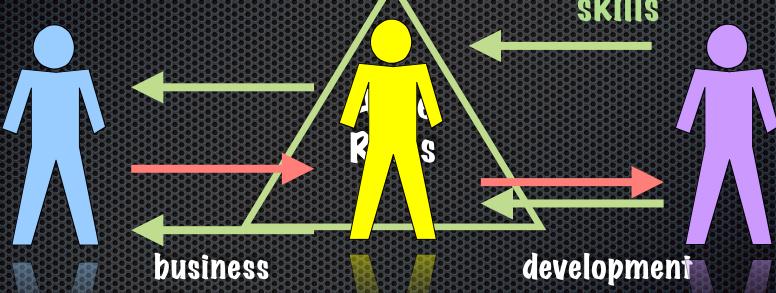
- Need architectúre skills to properly test business development
- + Shift toward monitoring over acceptance testing

Fate of Roles:

project

Too complex for manager programmers:

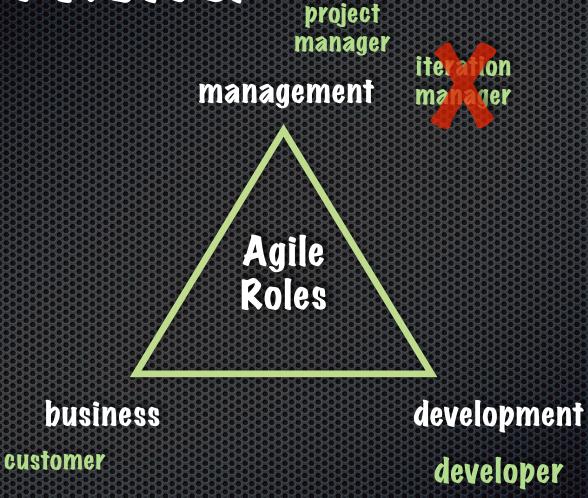
Programmers Nåck^e"social skills"



cust**Programmers Can't talk**

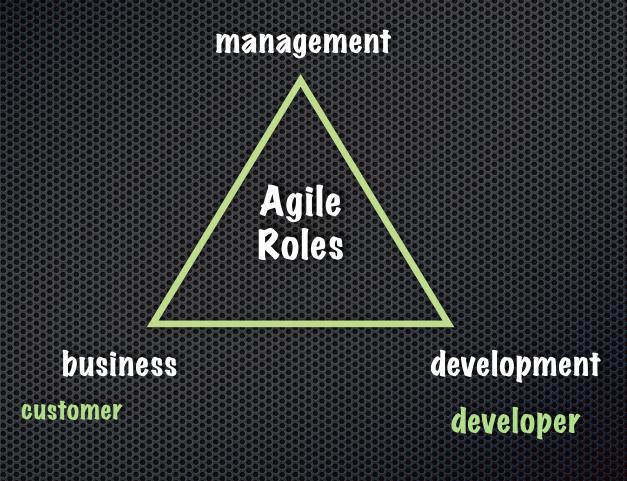
development developer

Fate of Roles:





Anarchy Roles



forwardtechnology.co.uk

We've Been Busy

In the last 7 days 58 developers have made 1068 commits resulting in 357 deploys

+ Prior system:

Example: Energy Revolution

- + Ruby, Clojure, C++, Node, js, R
- + MySQL, MongoDB
- + HAML, SASS

* Ruby for energy calculation - big improvement!

Rewrote in Clojure, Example: Energy Revolution Rewrote in Clojure (again) 9 y Revolution

Question: What manager would let them to do it?

Hence: No manager!

- + Old system:
- Example 32 Servers with 40% utilization
- + New system:
 - Nodejs, 22 servers with 10% utilization and lower latency

Agile Best Practices Not Used

- Trust w
 + Standups collocation
- + Story narratives
- + Rotrospostivos
- + Entimaton
- Results, Hterations not blame
- + Mandatory pairing

- + Unit tosts
- + Acceptance tests
- + Refactoring
- + Dattarna

- Small, short-lived apps
- + Continuous integration

Continuous deployment

ase so Arrest

Antile 2013: Online version of Daily Mail Company established in late 1300's

- * MailOnline largest online newspaper in world
- + Challenge: Introduce Anarchy to an established IT

Was

2013

- Project focus
 - + 3-6 month
 - + BAU for smaller

Transf

- + Design
- + Test
- + Deployment
- + SCRUM
 - + Story & task focus

- + Feature focus
 - + 1 month or less
 - Longer for new

forms Mary

- developers ==
- **Experts**
- Experts float amongst efforts
- + Aggressive Agile
 - + Table-based teams of 5-8
 - Rotation to balance & broaden

Pehangeahe fitte (and job de sguiptione) qui re q: -- Change te chin ologiet ack (with intense training)

+ Change physical layout



Masternana















Journeyman 7 7



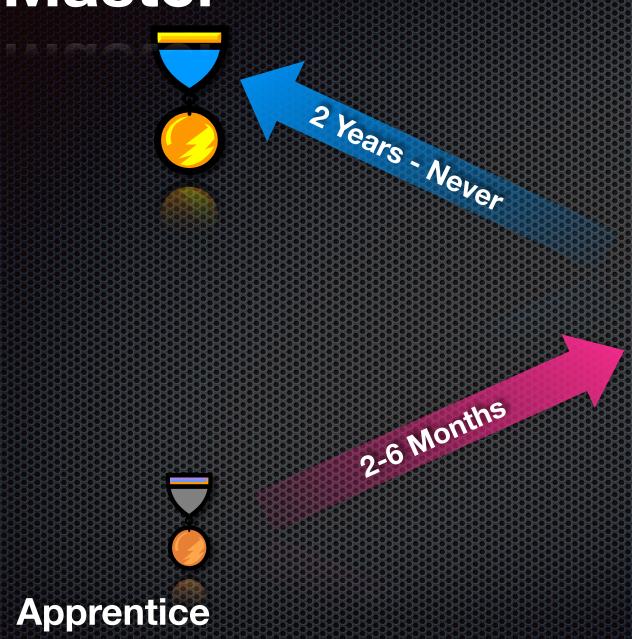


Apprentice





Master



Journeyman





Key Business Tech

Platform

iOS

Android

Databases

Big Data

Languages

HTML/CSS/JS

Java

Ruby

Server-side JS

Software Delivery

Agile management OOD / Architecture Testing **Master Dev**

ster_in 3+ key

Matchin

Dual career path for Developers Develope

iduate D ev

Senior Systems Dev

in at least

Competent in at least 1 key technology

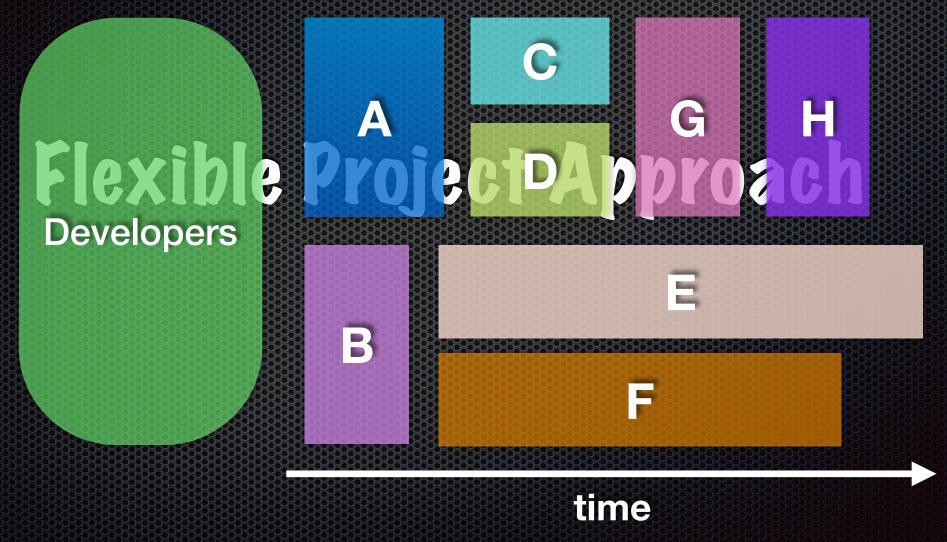
Not yet competent in a key technology

+ Intensive 00 training class (40 hourse, off-site) Training in Working Together

+ Developers, tech leads, QA, and SCRUM masters

+ Everyone encouraged to participate (but still optional)

"Tables"



- + Absorbed 20 more developers 1 Jan 1 Mar
- + By April 15
- + Delivering LeaderBoard, a new page (Ruby, Node,js)

 Building first replacement bage (Cloure, Node(s))
 - + Explored numerous message bus technologies
 - * Supporting MicroService architecture
 - + Rebuilt Android application
 - + By September, replaced front-end completely
 - + 130K Java with 4K Clojure + Node js micro-services monitoring

For last year, creating...



- + Titles: Only "Developer"
- + Remote pairing (4 time zones in US + Canada)
- Still meet developers face to face for the first time quarterly to the first time quarterly time quarterly to the first time quarterly to the first time quarterly time quarterly
- + New technologies/processes for most developers
 - + Clojure
 - + Micro-services
 - + Flat, self-organizing teams

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PROGRAMMER ANARCHY

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