

Quality assurance in Agile

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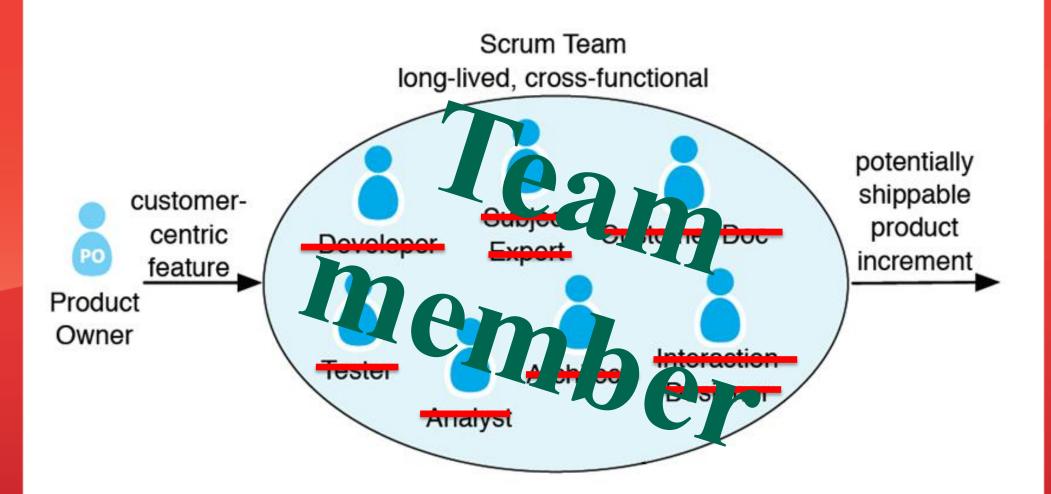


There are no "TESTERS" in Scrum/Agile

Only team members with primary skills who should become "Cross Functional"



TEAM



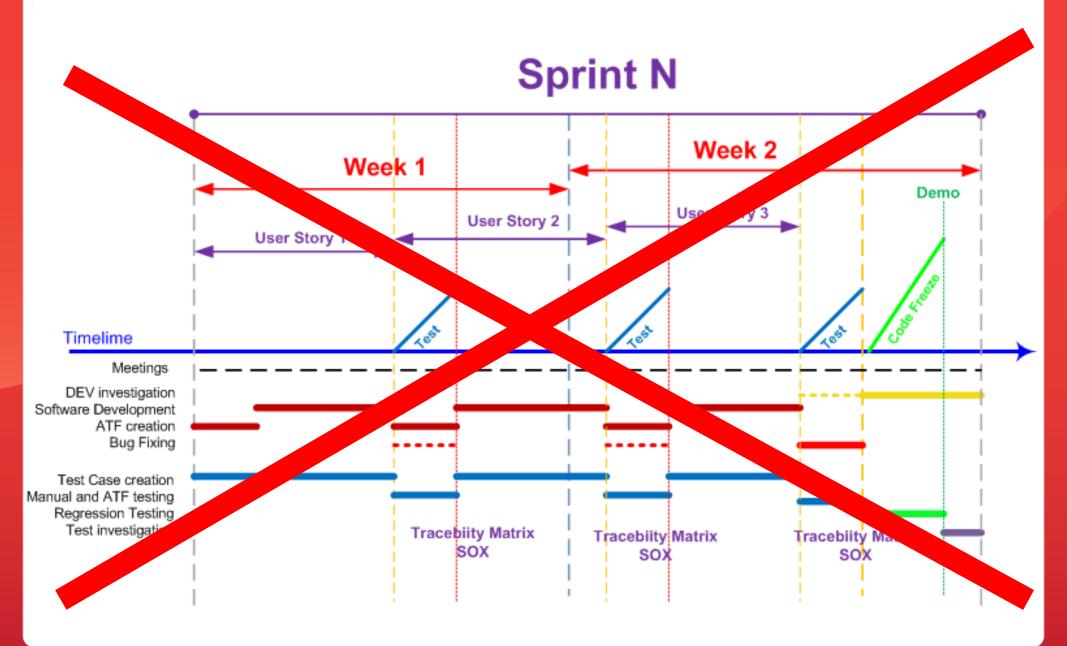
STA DAYS#11 Точка роста твоей карьеры

TEAM

- Teams ≈ "Feature Teams"
- 100% allocated to one feature (at a time)
- Cross-functional
- Cross-component
- Ideally, co-located
- Stable, long-lived (e.g., 3 years together)
- learn new-area skills from each other
- 7 +/- 2 people
- Each teammate is responsible for QUALITY!



Sprint Time Line



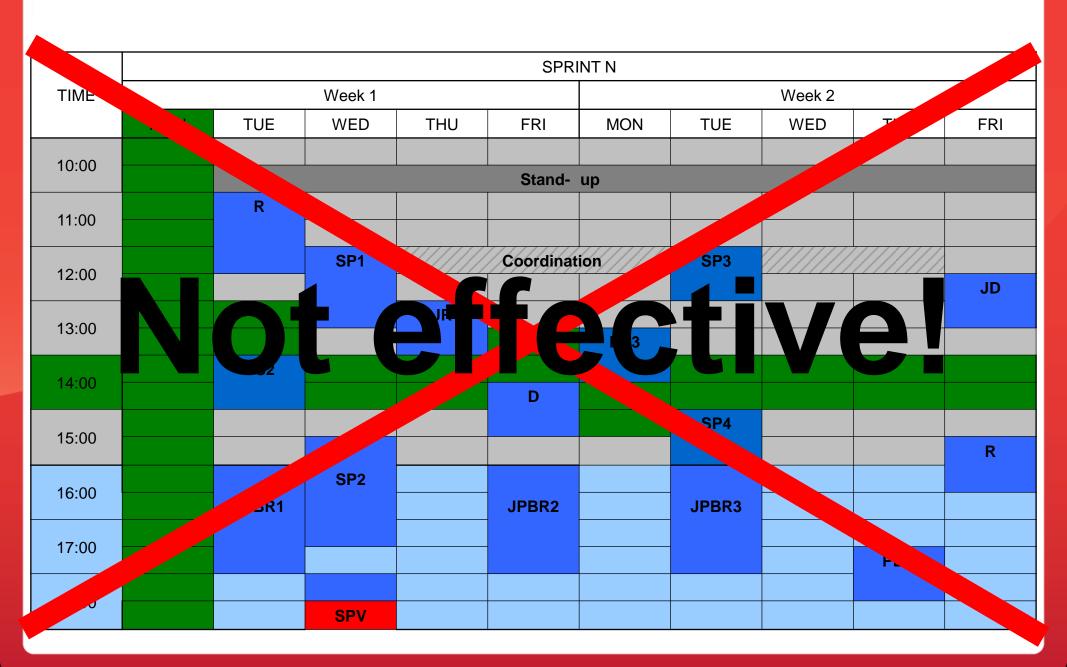


Meetings plan

	SPRINT N									
TIME	Week 1					Week 2				
	MON	TUE	WED	THU	FRI	MON	TUE	WED	THU	FRI
10:00										
	Stand-up									
11:00	SP1									
12:00	SP2		Coordinat			on .			JD	
13:00	SPV									R
14:00										
15:00										JLR
16:00	TBM		JR		TBM	DS1	TBM	PBR	DS2	TBM
		JPBR1		JPBR2						
17:00			ТВМ			TBM		PBRV	ТВМ	
18:00		ТВМ		ТВМ				ТВМ		



Real results





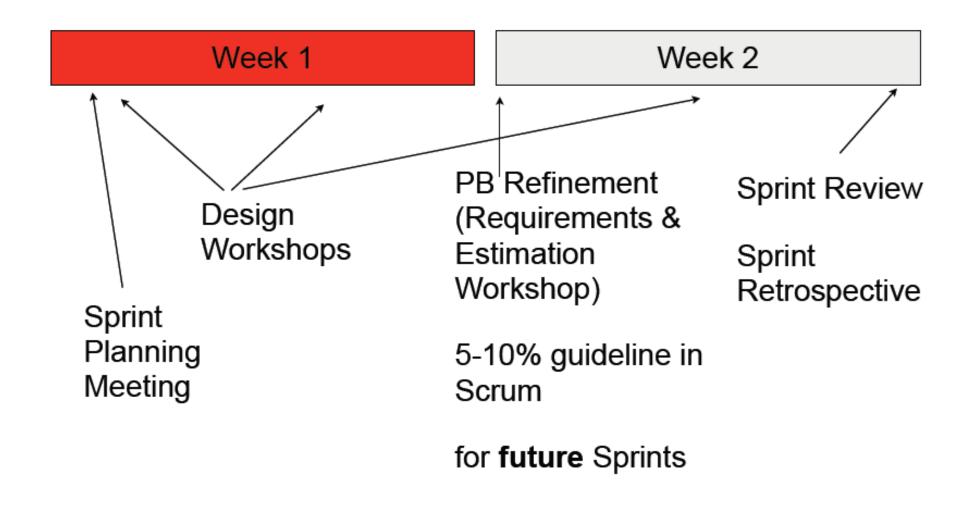
Keep it SIMPLE!



Main ideas

- No predefined process
- Estimates "It's just an estimate"
- Team is allowed to descope
- Maximize automation
- Minimize manual testing
- Quality proved by test coverage





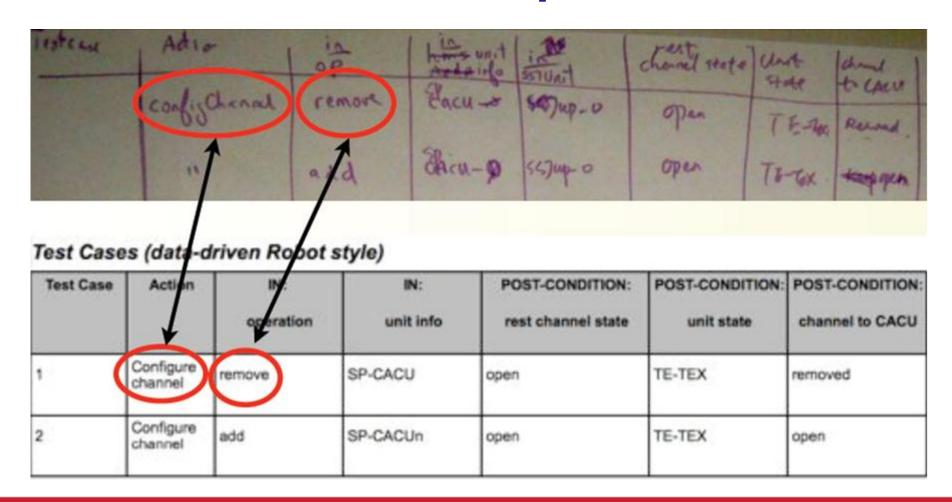


ATDD

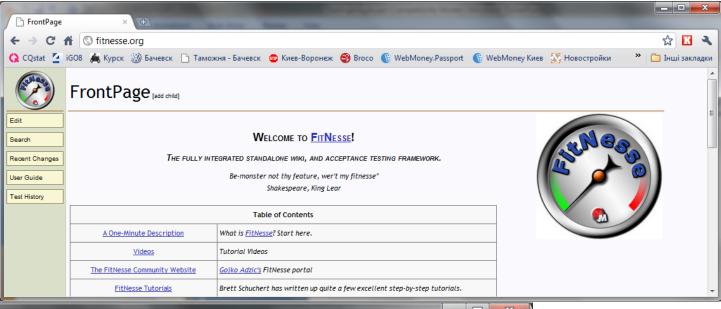
Requirements as Executable Tests...

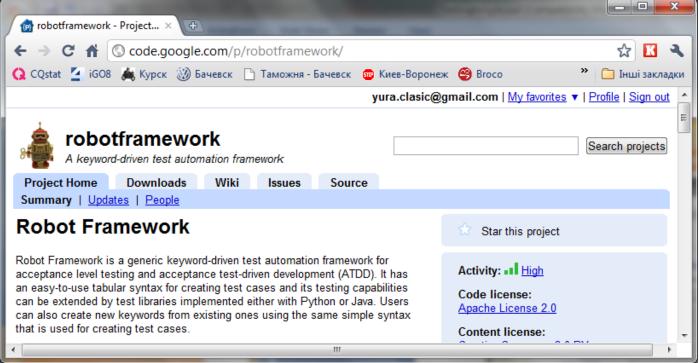


Examples = Specifications = Requirements = Automated Acceptance Tests!











Feedback to improve requirements...

Make sure he is dead

http://www.youtube.com/watch?v=Wpsf-EbyBhI



Testing types

Unit

ATF Scripts







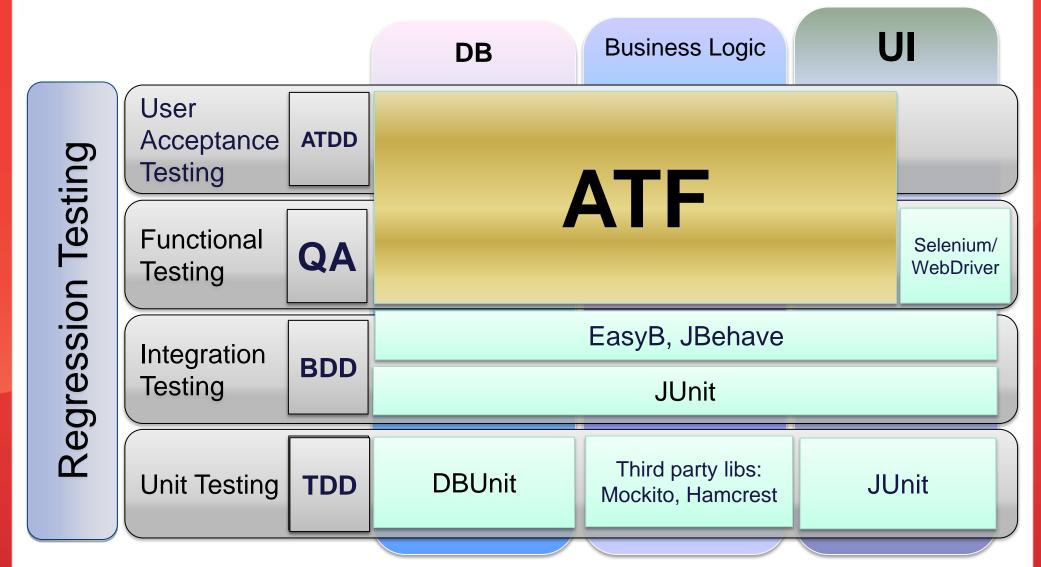




F2B (For continuous integration projects)

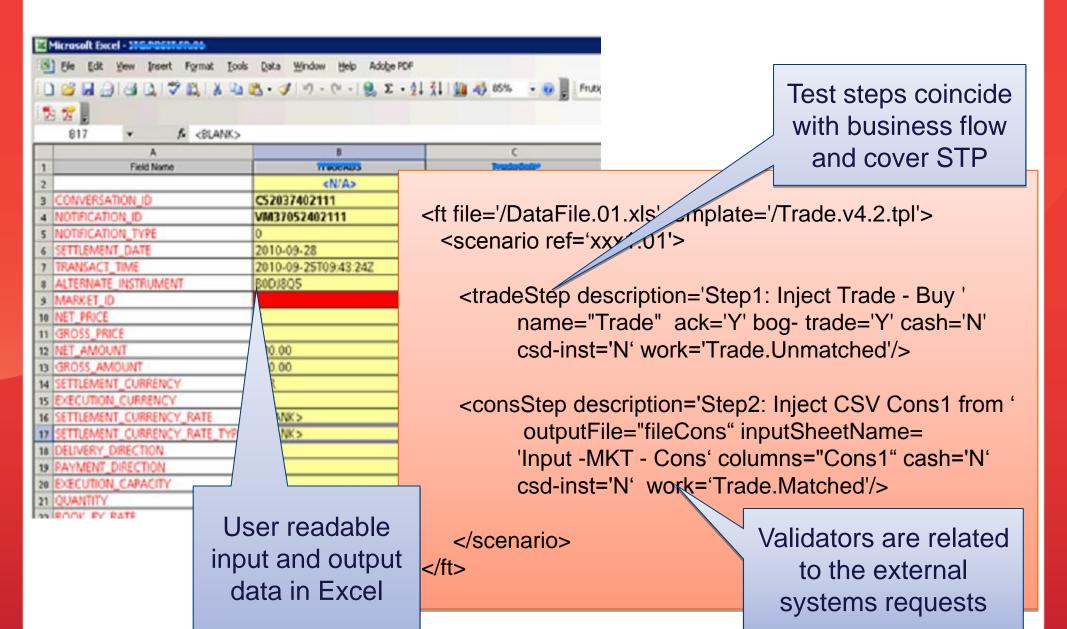








Scenarios and data examples





Ground rules

- Ensure what you commit will work
- Take responsibility for you commit
- Don't "commit and run"
- Don't make things worse
- Fix the build fast... or else!
- Be responsible





System health monitoring TeamCity projects





Failed builds on plasma at all locations

Responsible: No one!	Last build on: 30 Jan 11 05:15							
ATF - Regression #4								
Responsible: No one!	Last build on: 30 Jan 11 13:36							
ATF - Regression #2								
Responsible:	Last build on: 29 Jan 11 13:46							
- branch - Caralles ATF - Regression #3 (M3) -								
branch								
Responsible: No one!	Last build on: 30 Jan 11 03:08							
ATF trunk - ATF regression all								
Responsible: No one!	Last build on: 30 Jan 11 05:23							
ATF - Regression #1								
Responsible:	Last build on: 30 Jan 11 12:55							



Pressure to deliver and engineering quality...

The Downfall of Agile Hitler

http://www.youtube.com/watch?v=l1wKO3rID9g



"If you are going through hell, keep going."

-- Winston Churchill





Q/A?