



INFODOM

Scrum, Kanban, Scrumban

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Business Excellence through Knowledge and Experience

JavaCro17



Agilni manifest

Tražimo bolje načine razvoja softvera razvijajući softver i pomažući drugima pri njegovom razvoju. Takvim radom smo naučili da više cijenimo:

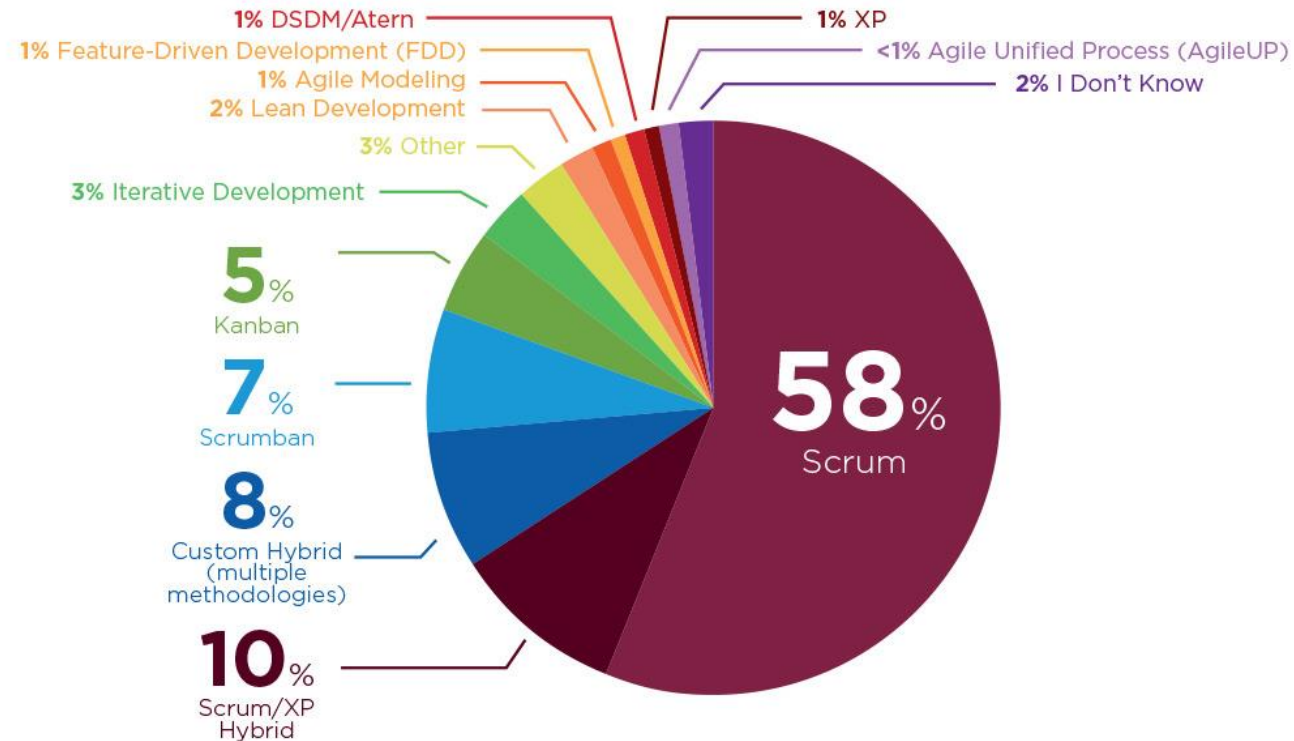
- Ljude i njihove međusobne odnose nego procese i oruđa
- Upotrebljiv softver nego iscrpnu dokumentaciju
- Suradnju s naručiteljem nego pregovaranje oko ugovora
- Reagiranje na promjenu nego ustrajanje na planu.

Drugim riječima, iako cijenimo vrijednosti na desnoj strani, više vjerujemo u one na lijevoj.

Zastupljenost agilnih metoda

Agile Methodologies Used

When asked what agile methodology is followed most closely, nearly 70% of respondents practice Scrum (58%) or Scrum/XP hybrid (10%).



SOURCE: VERSIONONE 10TH ANNUAL STATE OF AGILE™ REPORT
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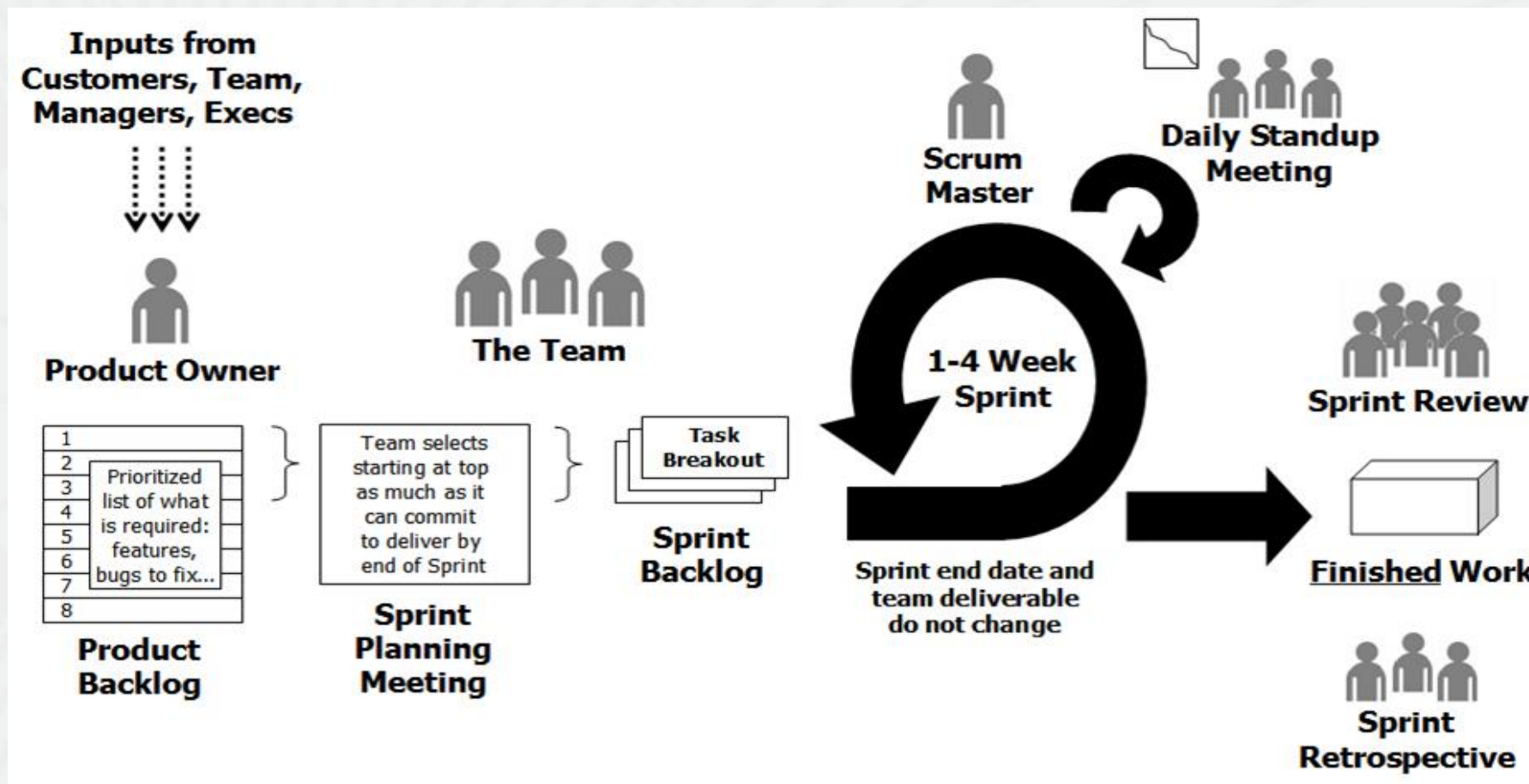
Što je Scrum?

- Okvir za razvoj složenih proizvoda
- Iterativan i inkrementalan
- Uloge:
 - Vlasnik proizvoda (Product owner)
 - Razvojni tim
 - Scrum Master

Događaji u Scrumu

- Sprint – vremenski ograničen period od 1 – 4 tjedna tijekom kojeg se proizvede „završen“, upotrebljiv i potencijalno isporučiv inkrement proizvoda
- Planiranje sprinta
- Dnevni scrum
- Revizija sprinta
- Retrospektiva sprinta
- Artefakti
 - Product backlog
 - Sprint backlog

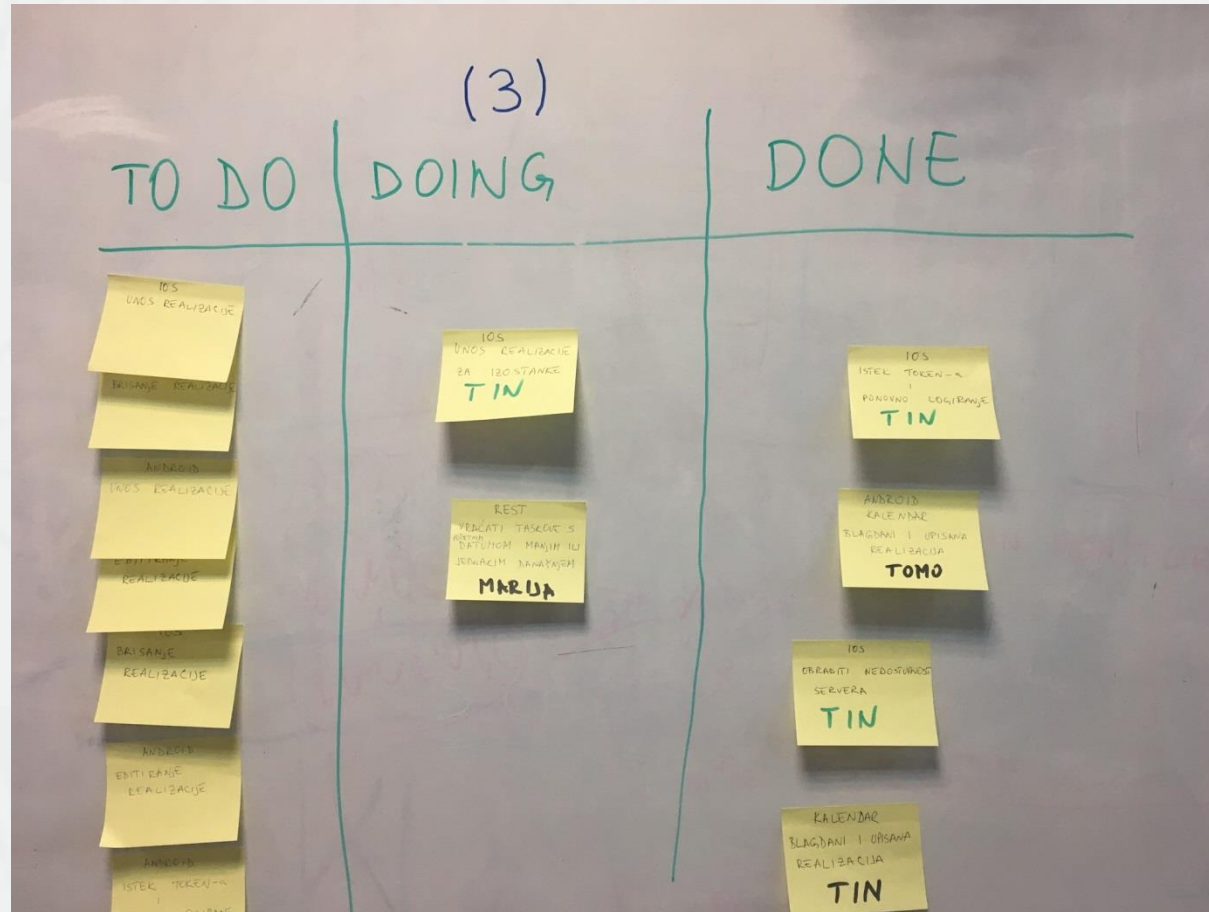
Razvoj po Scrumu



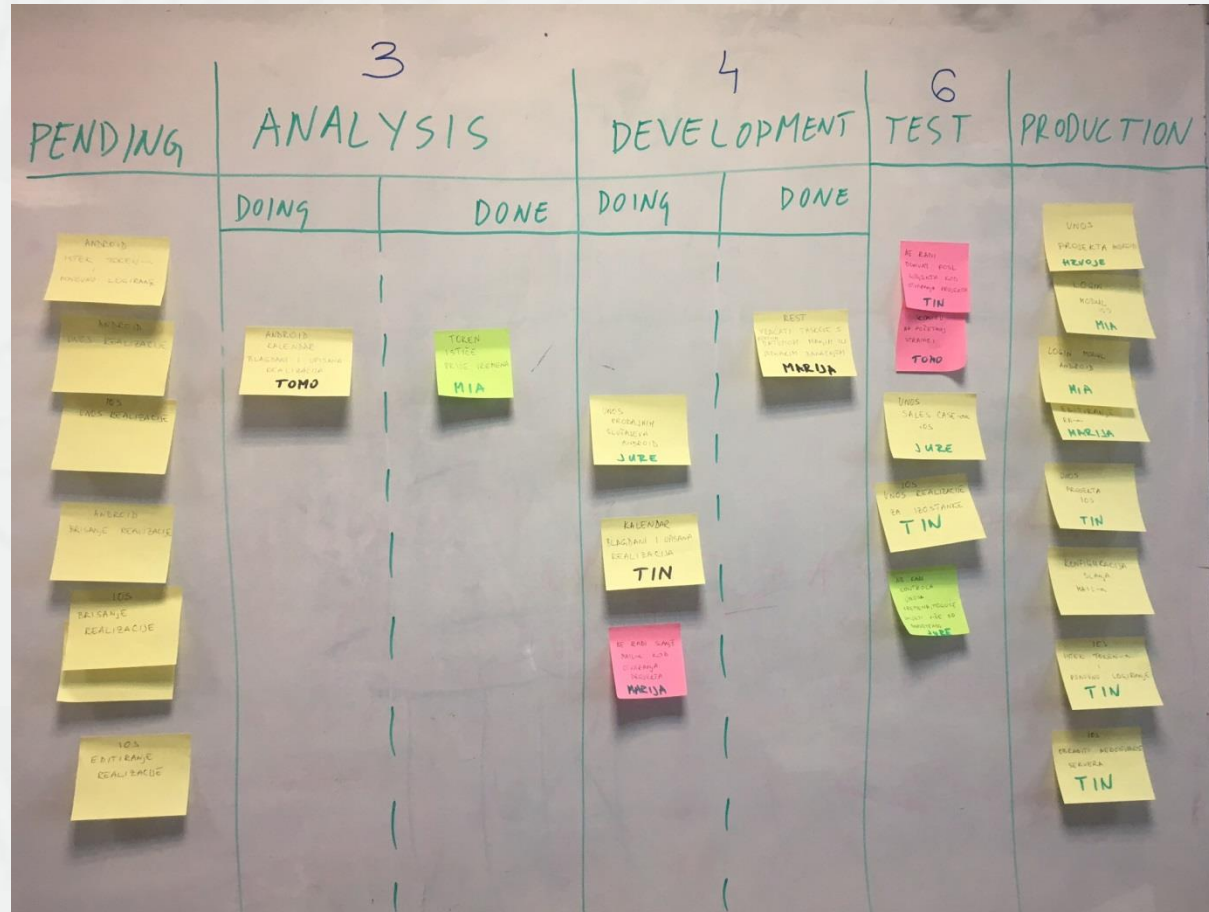
Kanban

- Natpis, ploča
- Autor - Taiichi Ohno
- Glavne karakteristike
 - Vizualiziranje razvojnog tijeka (visualize the workflow)
 - Ograničavanje posla na kojem se trenutno radi (limit WIP)
 - Pull sustav
 - Mjerenje „Lead time”
 - Continuous Delivery
 - Elimination of waste

Kanban board



Kanban board



Scrum i Kanban - sličnosti

- Agilne metode
- Ograničavanje WIP-a
- Fokus na brzoj i čestoj isporuci
- Baziraju se na samoorganizirajućim timovima
- Zahtjevaju podjelu posla na manje cjeline
- Koriste empirijska mjerenja za poboljšanje procesa

Scrum

- Propisuje tri uloge
- Postoje iteracije
- Sprintovi su vremenski ograničeni
- Product backlog je prioritiziran
- Cross-functional timovi
- Nema promjene zadataka unutar sprinta
- Nova kanban ploča za svaki sprint
- Propisani sastanci: dnevni sastanci, planiranje sprinta, retrospektiva i revizija sprinta

Kanban

- Uloge su fakultativne
- Ne postoje iteracije (continuous flow)
- Nema vremenskih ograničenja
- Prioriteti opcionalni
- Nije zadano kakvi su timovi
- Promjene omogućene ako WIP limit nije dosegnut
- Kanban ploča je stalna
- Nema propisanih sastanaka

Scrumban

- Hibrid Scrum-a i Kanbana
- Koristi propisanu prirodu Scrum-a
- Koristi poboljšanja procesa od Kanbana kako bi timu omogućio konstantno poboljšanje procesa

Scrumban

	Scrumban	Scrum	Kanban
Iteracije	NE	DA	NE
Uloge	Tim + dodatne uloge	Product owner, Scrum Master, Team	fakultativne
Ograničavanje WIP-a	DA	na razini sprinta	DA
Dnevni scrum	DA	DA	Nema definiranih događaja
Revizija i retrospektiva	po potrebi	DA	Nema definiranih događaja
Kanban ploča	DA	Nova za svaki sprint	DA
Promjene	Moguće ako nije dosegnut WIP	Moraju čekati idući sprint	Moguće ako nije dosegnut WIP
Planiranje	po potrebi	Na početku sprinta	po potrebi

Scrumban board

TO DO			NEXT	IN PROGRESS	BUFFER (for approval)	SPRINT DONE
STORIES 14 / 20	BACKLOG 6 / 6	THIS SPRINT 5 / 12	2 / 4	2 / 2		
+ add task		+ add task	+ add task	+ add task	+ add task	+ add task
As a developer, I'd like to debug the online registration	As a customer, I want to receive notifications when as	adjust the width of the dialog window in view 6GD	debug the 98-A report ^D	adjust the way the project status is displayed into less ^D	add the calculating option for the value representation in ^D	change the default display patterns for system set-up ^{AM}
As a change manager I want to enable the assessment of	As a customer, I want to be able to choose form a wider	allow access to changelog for any privileged users	change the redirection patterns i8-BD constant ^{AM}	filter the grid view to disallow overlapping buttons ^{AM}	Limit the number of records displayed in view 76-2 to less ^S	add the calculating option for the value representation in ^S
As a developer, I need to have access to the general	As a customer, I want to be able to choose form a wider	debug the DV-054	enlarge the spreadsheet view for users with more than 50			
As a change manager I want to enable the assessment of	As a customer, I don't want to see the specified error	create 2 more templates for #B view	disallow access to system settings for non-privileged ^D			
As a developer, I need to have access to the general	As a developer, I'd like to add a feature that will display	add custom filters to MN/O	reverse the point of generating the analytical view			
As a developer, I'd like to add a feature that will display	As a customer, I want to have access to the changelog with	change the way the project status is displayed into more				
As a developer, I need to have access to the general	As a customer, I want to have access to the changelog with					

Resource: <http://kanbantool.com/scrumban>

Kako izabrati?

- Scrum
 - Proizvodni i razvojni projekti
- Kanban
 - Projekti održavanja
- Scrumban
 - Istovremeni razvoj i održavanje proizvoda

State of projects

	SUCCESSFUL	CHALLENGED	FAILED
Grand	2%	7%	17%
Large	6%	17%	34%
Medium	9%	26%	31%
Moderate	21%	32%	17%
Small	62%	16%	21%
TOTAL	100%	100%	100%

The resolution of all software projects by size from FY2011-2015 within the new CHAOS database.

Igrica za kraj



<http://www.getscrumban.com/>

Reference

- <https://www.agilealliance.org/>
- <https://www.scrum.org/>
- <https://www.versionone.com/agile-101/agile-methodologies/>
- <http://kanbanblog.com/explained/>
- <http://www.standishgroup.com/>
- <http://kanbantool.com/scrumban>



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