ОПЫТ ВНЕДРЕНИЯ КАНБАН

Антон Марченко
www.TargetProcess.com

Мнение компании может не совподать с мнением докладчика

«Канбан» имеет множество значений: знак, карточка, бирка, дверная табличка, плакат, достка объявлений, - а в более широком смысле озночает какой либо сигнал. Если к вам вернулся пустой контенер – это канбан.

стр. 131 «Дао Тайота»

Lean Production vs. Kaizen / TSP

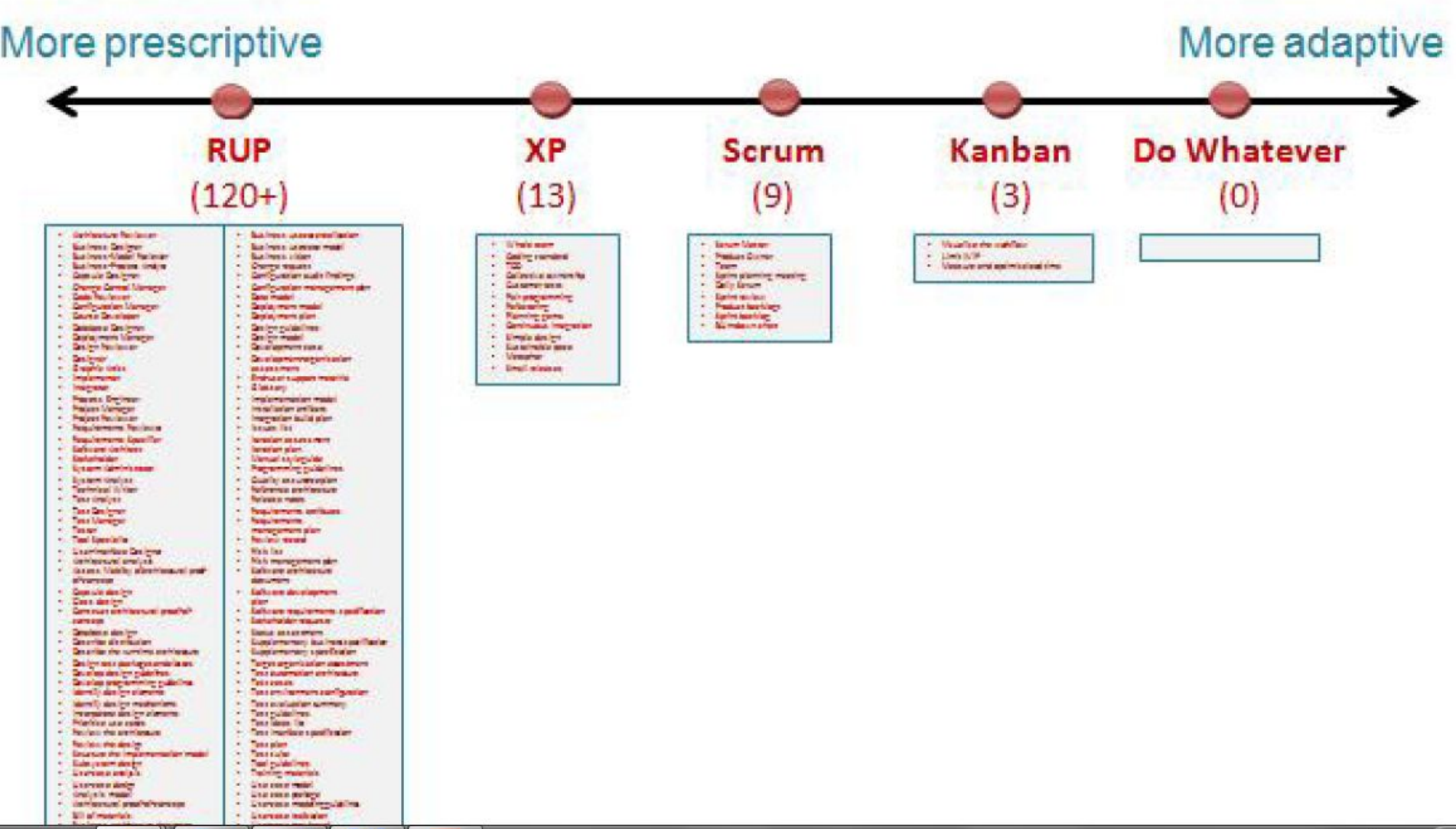
To Do
In Progress
Coded
Testing
Done
TIP BOX

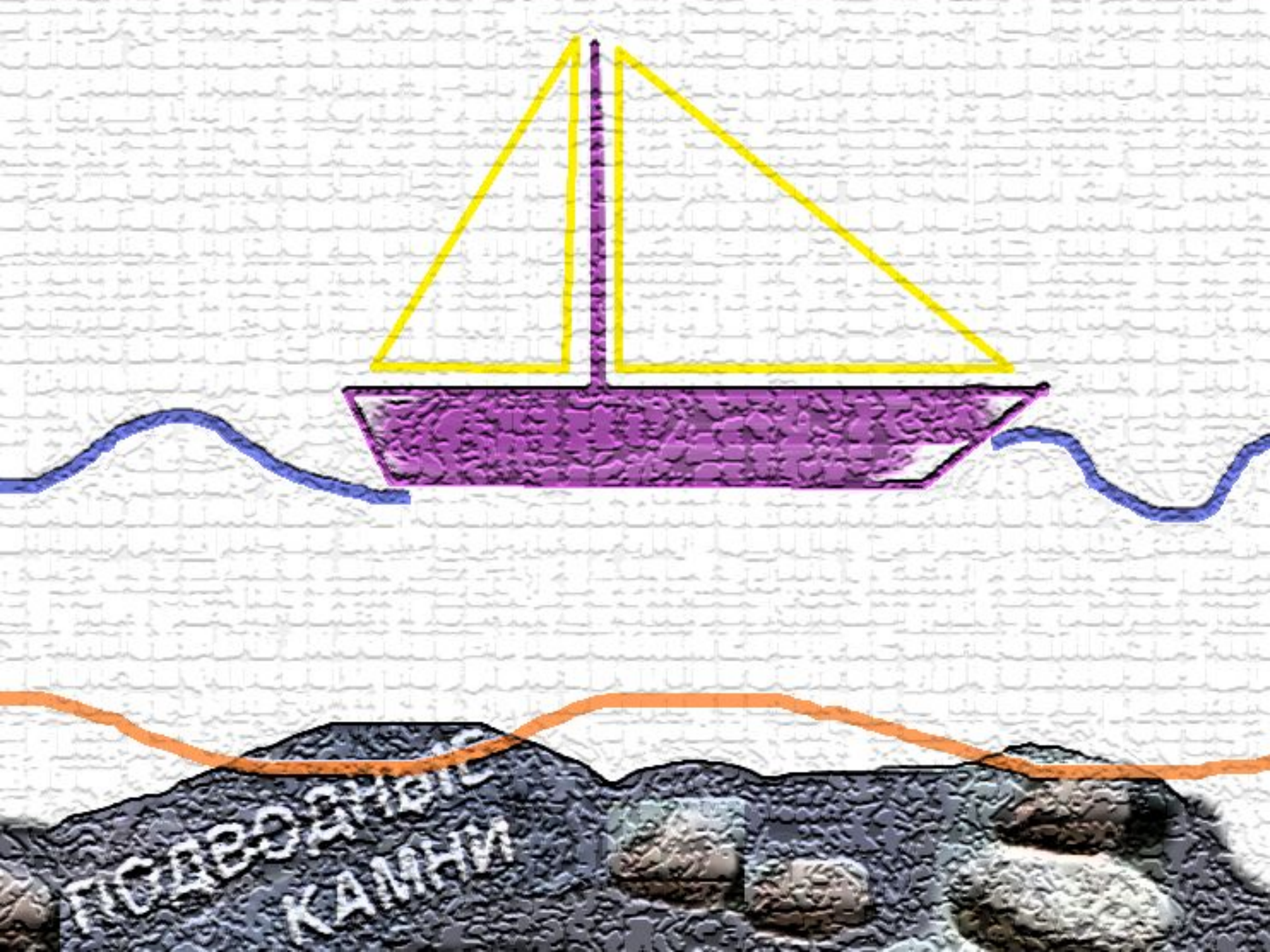
SCRUM -> Kanban

Is

the next big thing ?

HENRIK KNIBERG



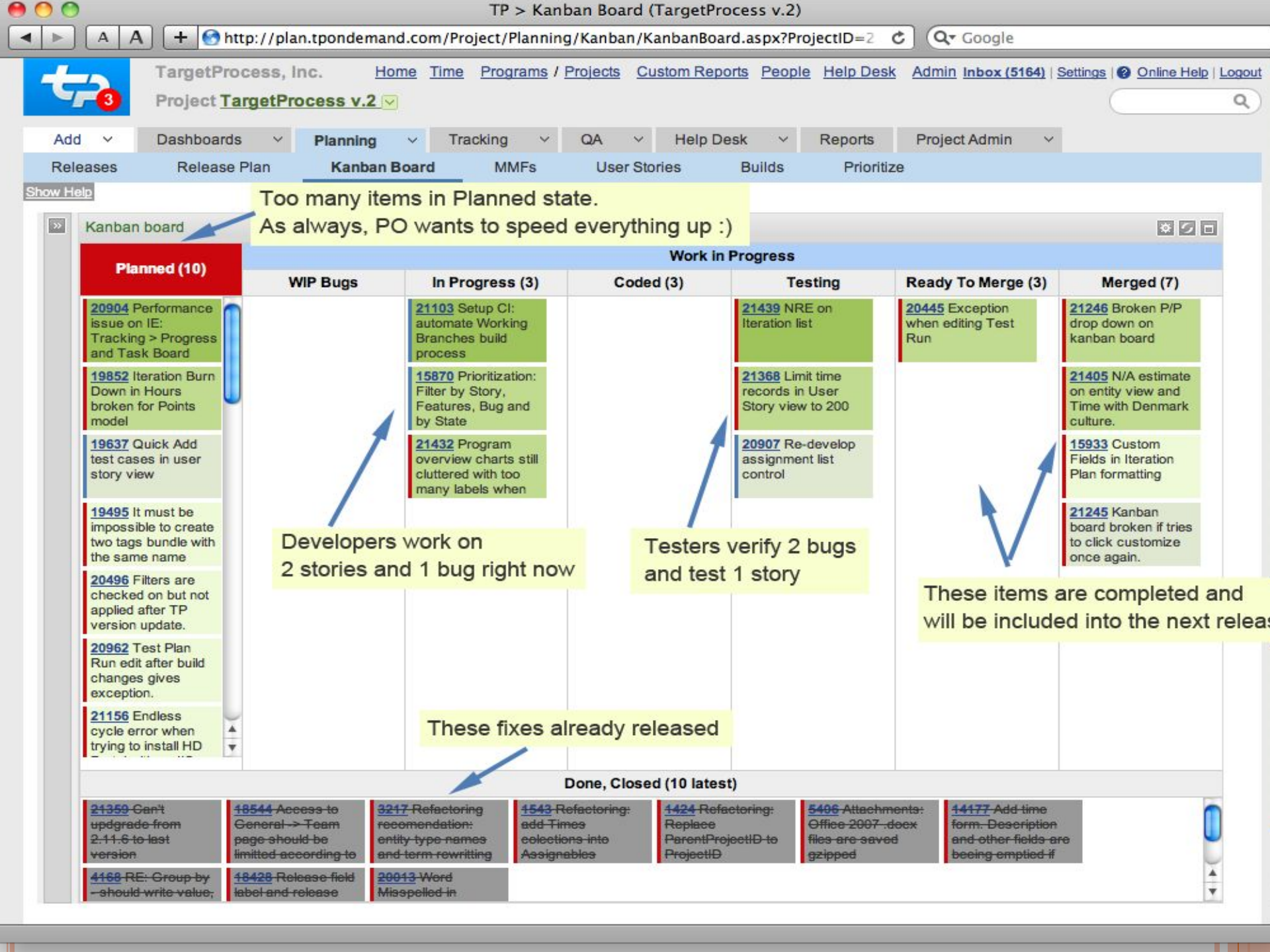

ГОВОРЯЩИЕ
КАМНИ

Release at any time

SVN -> git

Retrospective 9 (2009-10-15)
Home Time Programs / Projects Custom Reports People Help Desk Inbox (5251) | Settings | Online Help | Logout
TargetProcess, Inc.
Project TargetProcess v.2
Add Dashboards Planning Tracking QA Help Desk Reports Project Admin
Releases Release Plan Kanban Board MMFs User Stories Builds Prioritize
Kanban board
Work in Progress
Planned (10)
WIP Bugs
In Progress (3)
Coded (3)
Testing
Ready To Merge (3)
Merged (7)
21650 URLs entered into TP are being broken with spaces
21501 Whoops if user with role without any permission tries to log in TP
21578 Operation aborted: Iteration Burn Down Chart (and Test Case run
21432 Program overview charts still cluttered with too many labels when
21559 Unable to change state in release / Iteration inner.list -- states pull
21560 TagBundle was deleted after update it with new name which differ
21605 Inner list in custom report for assignments cause Runtime Error from
19495 It must be impossible to create two tags bundle with
Done, Closed (10 latest)

LG


TP > Kanban Board (TargetProcess v.2)
http://plan.tpondemand.com/Project/Planning/Kanban/KanbanBoard.aspx?ProjectID=2
Google
TargetProcess, Inc.
Home Time Programs / Projects Custom Reports People Help Desk Admin Inbox (5164) Settings Online Help Logout
Project TargetProcess v.2
Add Dashboards Planning Tracking QA Help Desk Reports Project Admin
Releases Release Plan Kanban Board MMFs User Stories Builds Prioritize
Show Help
Too many items in Planned state.
As always, PO wants to speed everything up :)
Kanban board
Planned (10)
Work in Progress
WIP Bugs
In Progress (3)
Coded (3)
Testing
Ready To Merge (3)
Merged (7)
20904 Performance issue on IE: Tracking > Progress and Task Board
19852 Iteration Burn Down in Hours broken for Points model
19637 Quick Add test cases in user story view
19495 It must be impossible to create two tags bundle with the same name
20496 Filters are checked on but not applied after TP version update.
20962 Test Plan Run edit after build changes gives exception.
21156 Endless cycle error when trying to install HD
21103 Setup CI: automate Working Branches build process
15870 Prioritization: Filter by Story, Features, Bug and by State
21432 Program overview charts still cluttered with too many labels when
21439 NRE on Iteration list
21368 Limit time records in User Story view to 200
20907 Re-develop assignment list control
20445 Exception when editing Test Run
21246 Broken P/P drop down on kanban board
21405 N/A estimate on entity view and Time with Denmark culture.
15933 Custom Fields in Iteration Plan formatting
21245 Kanban board broken if tries to click customize once again.
Developers work on
2 stories and 1 bug right now
Testers verify 2 bugs
and test 1 story
These items are completed and
will be included into the next releas
These fixes already released
Done, Closed (10 latest)
21359 Can't updgrade from 2.11.6 to last version
18544 Access to General -> Team page should be limited according to
3217 Refactoring recomendation: entity type names and term rewritting
1543 Refactoring: add Times colections into Assignables
1424 Refactoring: Replace ParentProjectID to ProjectID
5406 Attachments: Office 2007 .docx files are saved gzipped
14177 Add time form. Description and other fields are beeing emptied if
4168 RE: Group by - should write value,
18428 Release field label and release
20013 Word Misspelled in

TargetProcess v.2

Backlog

17156 RB Group custom reports by entity type

20425 In Iteration Plan it should be visible related release name of iteration

18634 Lead Time and Cycle Time in Custom Reports

18338 1 Show the ToDo as a hierarchical list

18862 Kanban Board: In project it should be possible to filter Backlog by Release/Iteration

21355 Inserted to the request Description field pictures are not reflected on the

20526 Filters should be preserved after update

20608 Make beautiful notification letters template.

8971 It should be possible to import tags with entity

15475 Custom fields: Mulit-select listbox

2989 3 Bug-Test Case Relation

22831 Whoops appears on the Custom Field creation page.

19467 [Program's KB] Cannot move US to final state if it has opened task.

21026 During change Process for Project can't see any warning message, but some

16710 Time remaining is not decrementing correctly while user edit time spent in

16711 Custom Fields: Missing Characters on view entity page

16789 Printable view of Test case does not show

16817 Unexpected behavior in prioritize User Stories inside

Kanban board

Planned - 7 (limit 10)

428 User Stories Drag And Drop Prioritization

16631 Rework default email notification templates

29593 User unable to add time or access stories/bugs on dashboard

28846 Form validation runs after clicking on Search

30005 Prioritize TestCases : Cannot move test cases from one page to another page

30007 System.Argum on release planning page

30141 Task Board: incorrect results

WIP - 3

28456 Add Task. JS error when trying add Tasks without assigned UserStory under IE

28674 NHibernate.Hib when the transaction logs > 2 GB

29922 Lookup filter doesn't work correclty in Task view page

In Progress - 3 (limit 5)

28340 [Research] NULL named saved filters.

28586 2 Duplicate bugs

29943 Git integration

Ready To Testing - 3 (limit 3)

29873 4 Introduce milestones

28480 Kanban Board. Difference cards size under Google Chrome.

29572 More predefined reports are generated instead of selected if terms of selected

Te

29594 B synchro with Bu working The cor

30115 [not alloc for obje tempora storage

30166 [Denied updateV v. 2.20.

Done, Cl

~~23397 Audit History of converted entities.~~

~~28343 NRE on time tracking page~~

~~29583 Releases overlapped each other.~~

~~28482 People: Save and Add new opens previous contact details.~~

~~28676 StructureMap.S Just open bug details in new tab from Kanban~~

~~28699 Allocatic Incorrect calcul of number USe assigned~~

BACKLOG

Copyright © 2003 United Feature Syndicate, Inc.

TargetProcess v.2

Backlog

17156 RE: Group custom reports by entity type

20425 In Iteration Plan it should be visible related release name of iteration

18634 Lead Time and Cycle Time in Custom Reports

18339 1 Show the ToDo as a hierarchical list

18862 Kanban Board: In project it should be possible to filter Backlog by Release/Iteration

21355 Inserted to the request Description field pictures are not reflected on the

20526 Filters should be preserved after update

20608 Make beautiful notification letters template.

8971 It should be possible to import tags with entity

15475 Custom fields: Mulit-select listbox

2989 3 Bug-Test Case Relation

22831 Whoops appears on the Custom Field creation page.

19467 [Program's KB] Cannot move US to final state if it has opened task.

21026 During change Process for Project can't see any warning message, but some

16710 Time remaining is not decrementing correctly while user edit time spent in

16711 Custom Fields: Missing Characters on view entity page

16789 Printable view of Test case does not show

16817 Unexpected behavior in prioritize User Stories inside

Kanban board

Work in Prog

Planned - 7 (limit 10)	WIP - 3	In Progress - 3 (limit 5)	Coded - 3 (limit 3)	Testing - 3	Re
428 User Stories Drag And Drop Prioritization	28456 Add Task. JS error when trying add Tasks without assigned UserStory under IE	28340 [Research] NULL named saved filters.	29873 4 Introduce milestones	29594 Bugzilla. Our synchronization with Bugzilla is not working properly. The connection is	29 cre
16631 Rework default email notification templates	28674 NHibernate.Hib when the transaction logs > 2 GB	28586 2 Duplicate bugs	28480 Kanban Board. Difference cards size under Google Chrome.	30115 [BB] Could not allocate space for object 'dbo.SORT temporary run storage:	29 op
29593 User unable to add time or access stories/bugs on dashboard	29922 Lookup filter doesn't work correctly in Task view page	29943 Git integration	29572 More predefined reports are generated instead of selected if terms of selected	30166 [BB!] Access Denied for TP after update\clean install v. 2.20.3.1553	29 Th XM
28846 Form validation runs after clicking on Search					
30005 Prioritize TestCases : Cannot move test cases from one page to another page					
30007 System.Argum on release planning page					
30141 Task Board: incorrect results					

Planned

Done, Closed (10 latest)

~~28854 Cannot login into system after change personals setting from Google Chrome~~

~~28956 Whoops in HDP if requester was not logged into portal and opens deleted request~~

~~28975 Cosmetic issue in More Actions -> "Release to" list~~

~~29013 Converting a Bug to a Task loses all history~~

~~29566 Exporting test case from a project or test plan~~

~~29592 CSV show only one row of edit options on the Edit Description User Story page~~

~~29774 Inline Edit o User Story 'Effort' field doesn't work IE8 if compatibility mode is ON and IE

ПЕРВЫМ ДЕЛОМ ЦЕЛЬ (THE GOAL)

As a [role]
I want a [feature]
so that [goal]

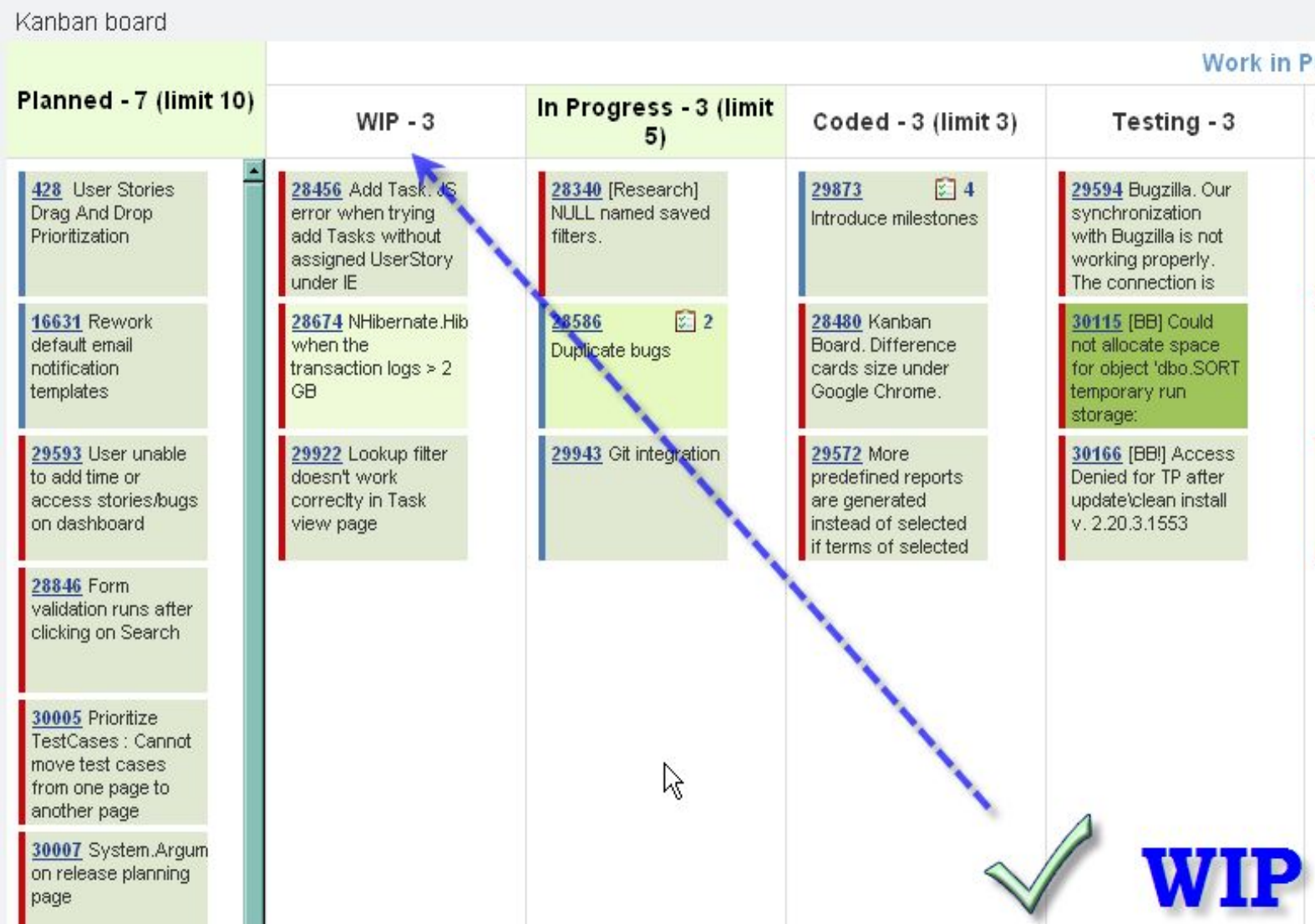
MMFs (Minimum Marketable Feature)

In order to [goal]
[stakeholder]
needs [feature]

Kanban board

Work in Progress

Planned - 7 (limit 10)	WIP - 3	In Progress - 3 (limit 5)	Coded - 3 (limit 3)	Testing - 3	Ready To Merge - 3 (limit 3)	M
428 User Stories Drag And Drop Prioritization	28456 Add Task: JS error when trying add Tasks without assigned UserStory under IE	28340 [Research] NULL named saved filters.	29873 4 Introduce milestones	29594 Bugzilla. Our synchronization with Bugzilla is not working properly. The connection is	29627 User can't create impediment	
16631 Rework default email notification templates	28674 NHibernate.Hib when the transaction logs > 2 GB	28586 2 Duplicate bugs	28480 Kanban Board. Difference cards size under Google Chrome.	30115 [BB] Could not allocate space for object 'dbo.SORT temporary run storage:	29704 Whoops on opening entity	
29593 User unable to add time or access stories/bugs on dashboard	29922 Lookup filter doesn't work correclty in Task view page	29943 Git integration	29572 More predefined reports are generated instead of selected if terms of selected	30166 [BB!] Access Denied for TP after update\clean install v. 2.20.3.1553	29860 System.Invalid There is an error in XML document	
28846 Form validation runs after clicking on Search						
30005 Prioritize TestCases : Cannot move test cases from one page to another page						
30007 System.Argum on release planning page						
30141 Task Board: incorrect results						



Done, Closed (10 latest)

~~28854 Cannot login into system after change personals setting from Google Chrome~~	~~28956 Whoops in HDP if requester was not logged into portal and opens deleted request~~	~~28975 Cosmetic issue in More Actions -> "Release to" list~~	~~29013 Converting a Bug to a Task loses all history~~	~~29566 Exporting test case from a project or test plan~~	~~29592 CSV show only one row of edit options on the Edit Description User Story page~~	~~29771 Inline Edit of User Story 'Effort' field doesn't work in IE8 if compatibility mode is ON and IE7~~	~~29776 Last Action message must always be displayed on the same page where the action~~	

Kanban board

Work in Progress

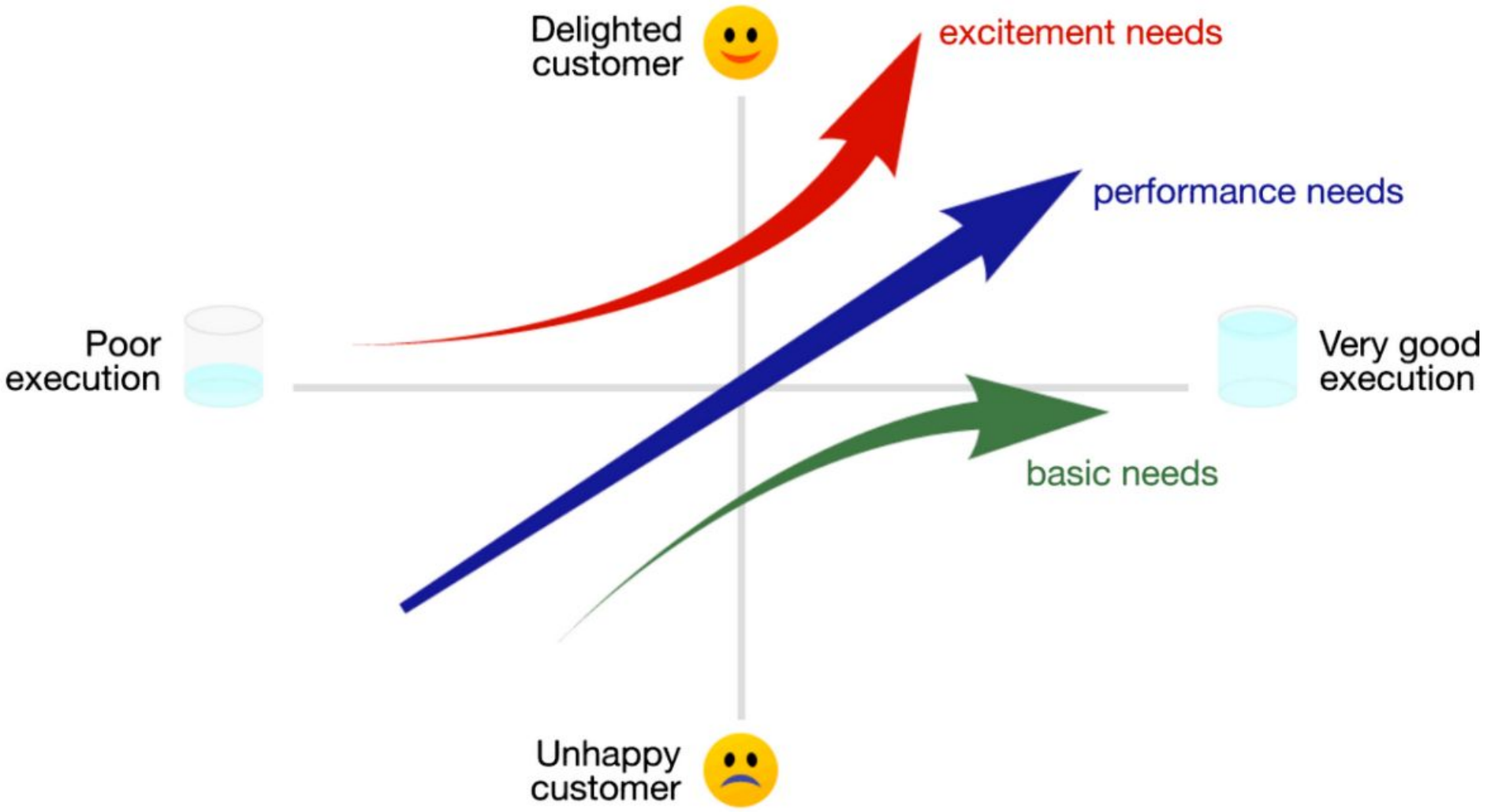
Planned - 4 (limit 10)	WIP - 3	In Progress - 6 (limit 5)	Coded - 3 (limit 3)	Testing - 3	Ready To Merge - 3 (limit 3)	Merged - 3 (limit 7)
16631 Rework default email notification templates	28456 Add Task. JS error when trying add Tasks without assigned UserStory under IE	428 User Stories Drag And Drop Prioritization	29873 4 Introduce milestones	29594 Bugzilla. Our synchronization with Bugzilla is not working properly. The connection is	29627 User can't create impediment	28302 "Request not found" error in attempt to view request by requester (not
30005 Prioritize TestCases : Cannot move test cases from one page to another page	28674 NHibernate.Hib when the transaction logs > 2 GB	28340 [Research] NULL named saved filters.	28480 Kanban Board. Difference cards size under Google Chrome.	30115 [BB] Could not allocate space for object 'dbo.SORT temporary run storage:	29704 Whoops on opening entity	29778 [Entity View] Permission violation in 'Move or Copy' control
30007 System.Argum on release planning page	29922 Lookup filter doesn't work correclty in Task view page	28586 2 Duplicate bugs	29572 More predefined reports are generated instead of selected if terms of selected	30166 [BB!] Access Denied for TP after update\clean install v. 2.20.3.1553	29860 System.Invalid There is an error in XML document	29896 Comment field appears in Add form after 'Save and Add New'
30141 Task Board: incorrect results when "Shown Bugs assigned on.." filter applied		29943 Git integration				
		29593 User unable to add time or access stories/bugs on dashboard				
		28846 Form validation runs after clicking on Search				

Done, Closed (10 latest)

~~28854 Cannot login into system after change personals setting from Google Chrome~~	~~28956 Whoops in HDP if requester was not logged into portal and opens deleted request~~	~~28975 Cosmetic issue in More Actions -> "Release to" list~~	~~29013 Converting a Bug to a Task loses all history~~	~~29566 Exporting test case from a project or test plan~~	~~29592 CSV show only one row of edit options on the Edit Description User Story page~~	~~29771 Inline Edit of User Story 'Effort' field doesn't work in IE8 if compatibility mode is ON and IE7~~	~~29776 Last Action message must always be displayed on the same page where the action~~	~~29798 Duplicate comments being inserted by Target Process when email notification is~~	

Donald Norman

Noriaki Kano Model



Work in Progress

In Progress - 4 (limit 5)	Code Review - 4	Coded - 3 (limit 3)	Testing - 3	Ready To Merge - 4 (limit 3)	Merged - 3 (limit 7)	Func. Tests - 1 (… 2)
28340 [Research] NULL named saved filters.	23866 Importing doesn't work for the fields 'Effort' and 'Initial Estimate'	428 User Stories Drag And Drop Prioritization	29572 More predefined reports are generated instead of selected if terms of selected	29627 User can't create impediment	28302 "Request not found" error in attempt to view request by requester (not	30151 Implement basic plugin EDA architecture
29943 Git integration	28480 Kanban Board. Difference cards size under Google Chrome.	28586 2 Duplicate bugs	29594 Bugzilla. Our synchronization with Bugzilla is not working properly. The connection is	29704 Whoops on opening entity	29778 [Entity View] Permission violation in 'Move or Copy' control	
29593 User unable to add time or access stories/bugs on dashboard	29644 Last action messages should not be stored in cache	29873 4 Introduce milestones	30166 [BB!] Access Denied for TP after update\clean install v. 2.20.3.1553	29860 System.Invalid There is an error in XML document	29896 Comment field appears in Add form after 'Save and Add New'	
28846 Form validation runs after clicking on Search	30149 [BB for entausa] multy assignment for developer state			30115 [BB] Could not allocate space for object 'dbo.SORT temporary run storage:		

28846 Form validation

Code Review

Done, Closed (10 latest)

~~5 Cosmetic in More ns -> "Release~~

~~29013 Converting a Bug to a Task loses all history~~

~~29566 Exporting test case from a project or test plan~~

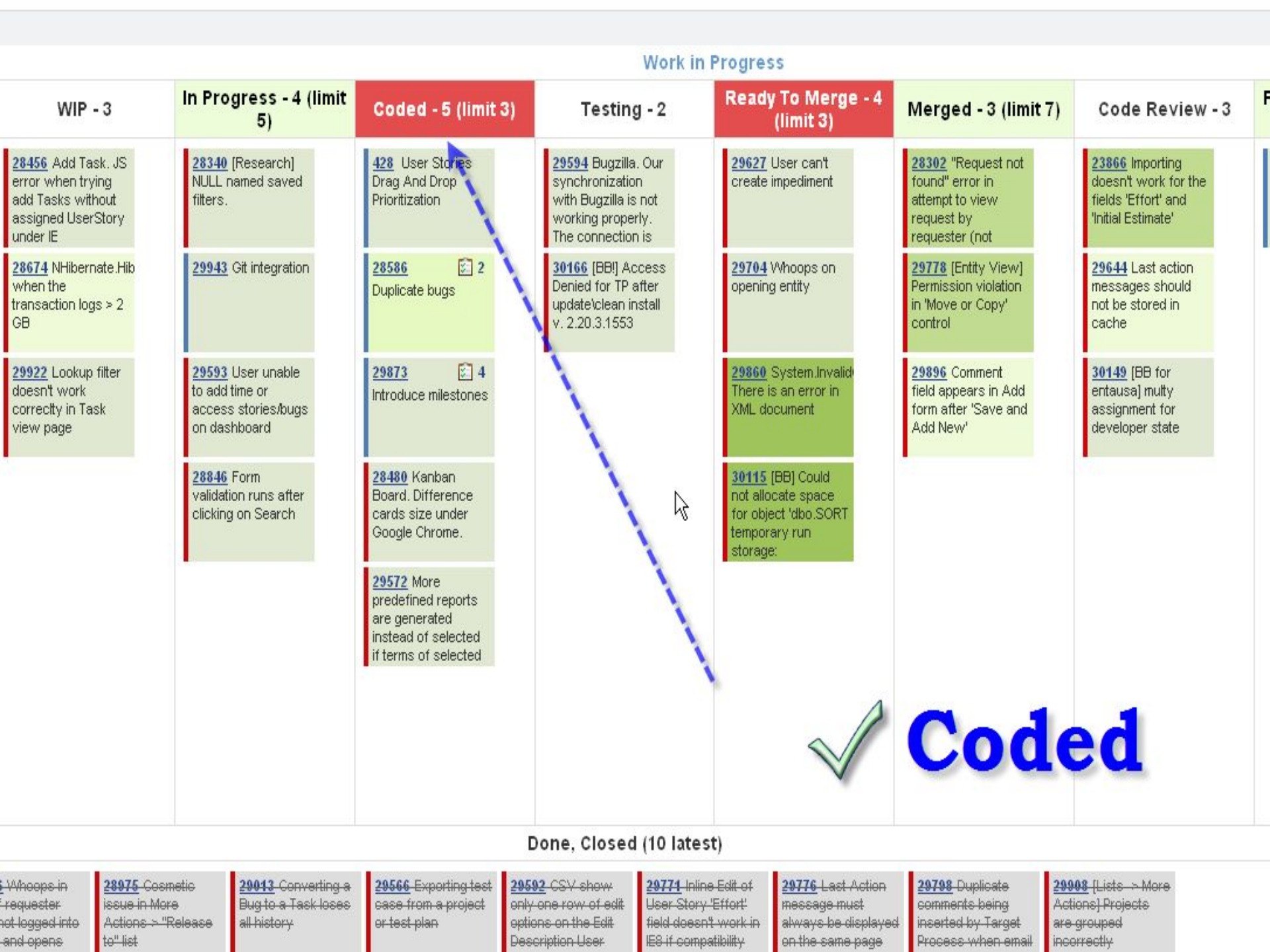
~~29592 CSV show only one row of edit options on the Edit Description User Story page~~

~~29771 Inline Edit of User Story 'Effort' field doesn't work in IE8 if compatibility mode is ON and IE7~~

~~29776 Last Action message must always be displayed on the same page where the action~~

~~29798 Duplicate comments being inserted by Target Process when email notification is~~

~~29908 [Lists -> More Actions] Projects are grouped incorrectly~~


Work in Progress
WIP - 3
In Progress - 4 (limit 5)
Coded - 5 (limit 3)
Testing - 2
Ready To Merge - 4 (limit 3)
Merged - 3 (limit 7)
Code Review - 3
28456 Add Task. JS error when trying add Tasks without assigned UserStory under IE
28674 NHibernate.Hib when the transaction logs > 2 GB
29922 Lookup filter doesn't work correclty in Task view page
28340 [Research] NULL named saved filters.
29943 Git integration
29593 User unable to add time or access stories/bugs on dashboard
28846 Form validation runs after clicking on Search
428 User Stories Drag And Drop Prioritization
28586 2 Duplicate bugs
29873 4 Introduce milestones
28480 Kanban Board. Difference cards size under Google Chrome.
29572 More predefined reports are generated instead of selected if terms of selected
29594 Bugzilla. Our synchronization with Bugzilla is not working properly. The connection is
30166 [BB!] Access Denied for TP after update\clean install v. 2.20.3.1553
29627 User can't create impediment
29704 Whoops on opening entity
29860 System.Invalid There is an error in XML document
30115 [BB] Could not allocate space for object 'dbo.SORT temporary run storage:
28302 "Request not found" error in attempt to view request by requester (not
29778 [Entity View] Permission violation in 'Move or Copy' control
29896 Comment field appears in Add form after 'Save and Add New'
23866 Importing doesn't work for the fields 'Effort' and 'Initial Estimate'
29644 Last action messages should not be stored in cache
30149 [BB for entausa] multy assignment for developer state
Coded
Done, Closed (10 latest)
28975 Cosmetic issue in More Actions -> "Release to" list
29013 Converting a Bug to a Task loses all history
29566 Exporting test case from a project or test plan
29592 CSV show only one row of edit options on the Edit Description User
29771 Inline Edit of User Story 'Effort' field doesn't work in IE8 if compatibility
29776 Last Action message must always be displayed on the same page
29798 Duplicate comments being inserted by Target Process when email
29908 [Lists -> More Actions] Projects are grouped incorrectly

Work in Progress

Progress - 3 (limit 5)	Code Review - 4	Coded - 2 (limit 3)	Testing - 5	Ready To Merge - 3 (limit 3)	Merged - 4 (limit 7)	Func. Tests - 1 (limit 2)
8340 [Research] NULL named saved filters.	23866 Importing doesn't work for the fields 'Effort' and 'Initial Estimate'	428 User Stories Drag And Drop Prioritization	28586 2 Duplicate bugs	29704 Whoops on opening entity	28302 "Request not found" error in attempt to view request by requester (not	30151 Implement basic plugin EDA architecture
9943 Git integration	28480 Kanban Board. Difference cards size under Google Chrome.	29873 4 Introduce milestones	29572 More predefined reports are generated instead of selected if terms of selected	29860 System.Invalid There is an error in XML document	29627 User can't create impediment	
9593 User unable to add time or access stories/bugs on dashboard	29644 Last action messages should not be stored in cache		29594 Bugzilla. Our synchronization with Bugzilla is not working properly. The connection is	30115 [BB] Could not allocate space for object 'dbo.SORT temporary run storage:	29778 [Entity View] Permission violation in 'Move or Copy' control	
	30149 [BB for entausa] multy assignment for developer state		28846 Form validation runs after clicking on Search		29896 Comment field appears in Add form after 'Save and Add New'	
			30166 [BB!] Access Denied for TP after update\clean install v. 2.20.3.1553			

Done, Closed (10 latest)

se	29013 ~~Converting a Bug to a Task loses all history~~	29566 ~~Exporting test case from a project or test plan~~	29592 ~~CSV show only one row of edit options on the Edit Description User Story page~~	29771 ~~Inline Edit of User Story 'Effort' field doesn't work in IE8 if compatibility mode is ON and IE7~~	29776 ~~Last Action message must always be displayed on the same page where the action~~	29798 ~~Duplicate comments being inserted by Target Process when email notification is~~	29908 ~~[Lists -> More Actions] Projects are grouped incorrectly~~

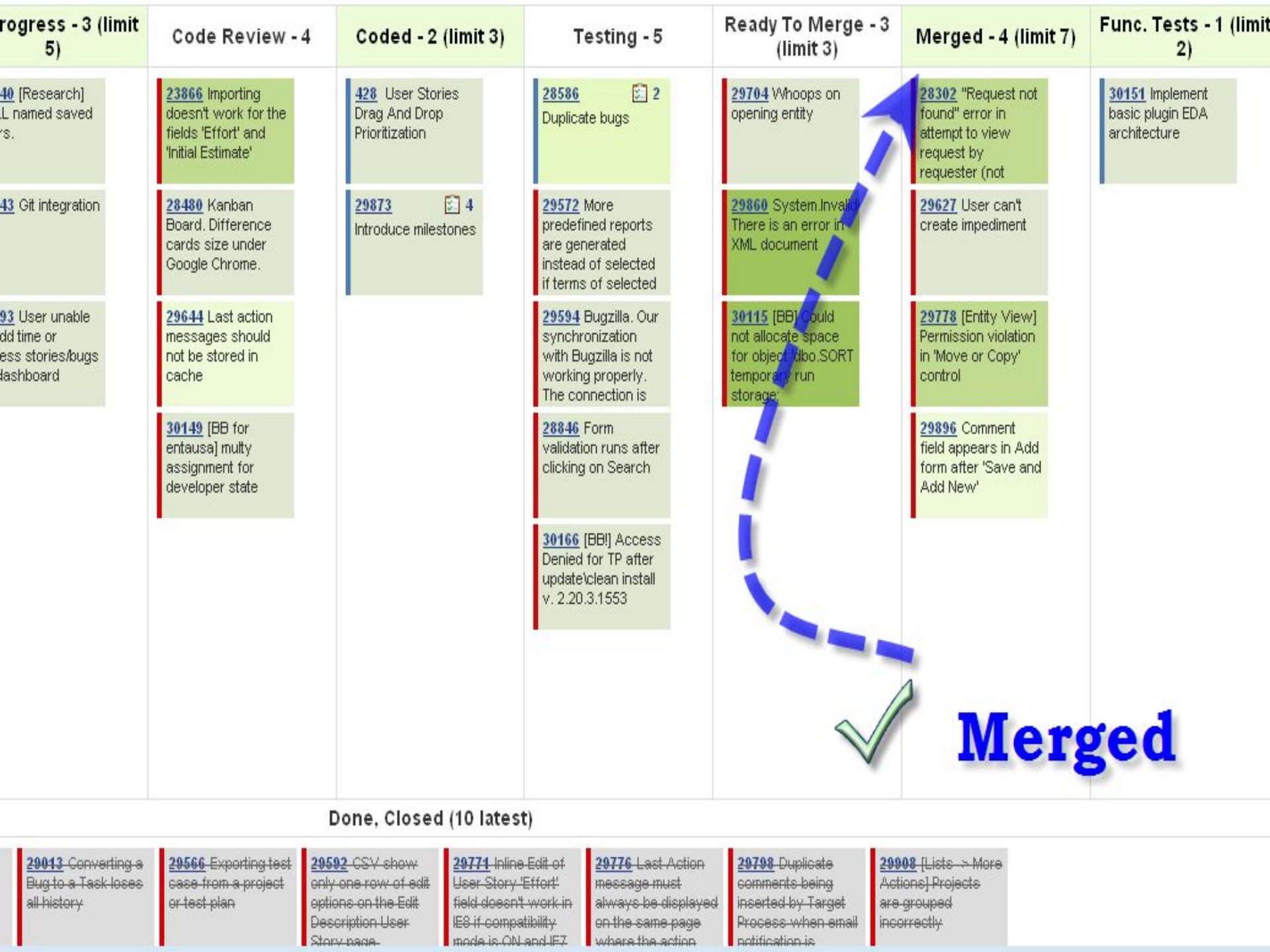
Work in Progress

mit	Code Review - 4	Coded - 2 (limit 3)	Testing - 5	Ready To Merge - 3 (limit 3)	Merged - 4 (limit 7)	Func. Tests - 1 (limit 2)
	23866 Importing doesn't work for the fields 'Effort' and 'Initial Estimate'	428 User Stories Drag And Drop Prioritization	28586 2 Duplicate bugs	29704 Whoops on opening entity	28302 "Request not found" error in attempt to view request by requester (not	30151 Implement basic plugin EDA architecture
	28480 Kanban Board. Difference cards size under Google Chrome.	29873 4 Introduce milestones	29572 More predefined reports are generated instead of selected if terms of selected	29860 System.Invalid There is an error in XML document	29627 User can't create impediment	
	29644 Last action messages should not be stored in cache		29594 Bugzilla. Our synchronization with Bugzilla is not working properly. The connection is	30115 [BB] Could not allocate space for object 'dbo.SORT temporary run storage:	29778 [Entity View] Permission violation in 'Move or Copy' control	
	30149 [BB for entausa] multy assignment for developer state		28846 Form validation runs after clicking on Search		29896 Comment field appears in Add form after 'Save and Add New'	
			30166 [BB!] Access Denied for TP after update\clean install v. 2.20.3.1553			

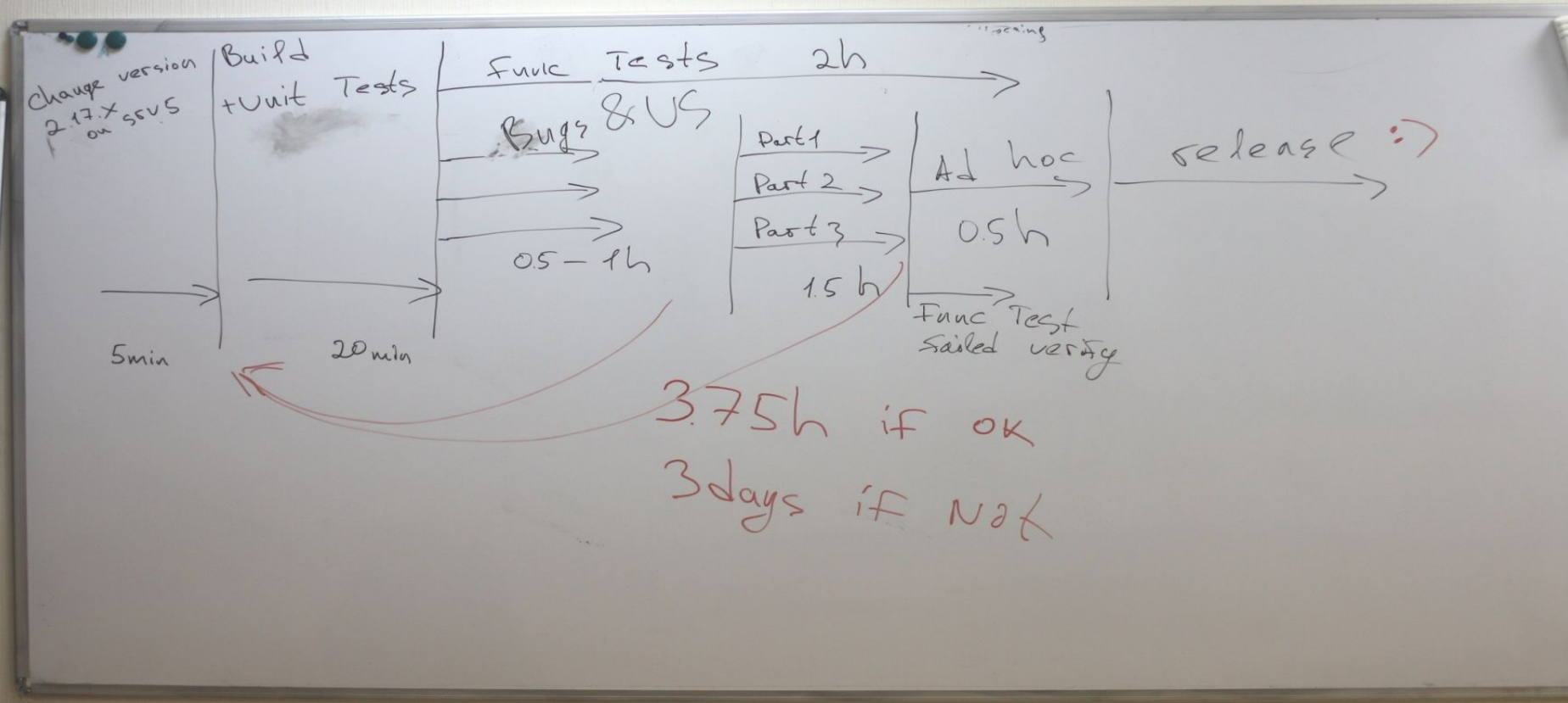
Ready To Merge

Done, Closed (10 latest)

~~ng a ses~~	~~29566 Exporting test case from a project or test plan~~	~~29592 CSV show only one row of edit options on the Edit Description User~~	~~29771 Inline Edit of User Story 'Effort' field doesn't work in IE8 if compatibility~~	~~29776 Last Action message must always be displayed on the same page~~	~~29798 Duplicate comments being inserted by Target Process when email~~	~~29908 [Lists -> More Actions] Projects are grouped incorrectly~~


rogress - 3 (limit 5)
Code Review - 4
Coded - 2 (limit 3)
Testing - 5
Ready To Merge - 3 (limit 3)
Merged - 4 (limit 7)
Func. Tests - 1 (limit 2)
40 [Research] L named saved rs.
43 Git integration
93 User unable dd time or ess stories/bugs Dashboard
23866 Importing doesn't work for the fields 'Effort' and 'Initial Estimate'
28480 Kanban Board. Difference cards size under Google Chrome.
29644 Last action messages should not be stored in cache
30149 [BB for entausa] multy assignment for developer state
428 User Stories Drag And Drop Prioritization
29873 4 Introduce milestones
28586 2 Duplicate bugs
29572 More predefined reports are generated instead of selected if terms of selected
29594 Bugzilla. Our synchronization with Bugzilla is not working properly. The connection is
28846 Form validation runs after clicking on Search
30166 [BB!] Access Denied for TP after update\clean install v. 2.20.3.1553
29704 Whoops on opening entity
29860 System.Invalid There is an error in XML document
30115 [BB] Could not allocate space for object 'dbo.SORT temporary run storage:
28302 "Request not found" error in attempt to view request by requester (not
29627 User can't create impediment
29778 [Entity View] Permission violation in 'Move or Copy' control
29896 Comment field appears in Add form after 'Save and Add New'
30151 Implement basic plugin EDA architecture
Merged
Done, Closed (10 latest)
29013 Converting a Bug to a Task loses all history
29566 Exporting test case from a project or test plan
29592 CSV show only one row of edit options on the Edit Description User Story page
29771 Inline Edit of User Story 'Effort' field doesn't work in IE8 if compatibility mode is ON and IE7
29776 Last Action message must always be displayed on the same page where the action
29798 Duplicate comments being inserted by Target Process when email notification is
29908 [Lists -> More Actions] Projects are grouped incorrectly

New release


Change version
2.17.X
on SVS
Build
+Unit Tests
Func Tests
2h
Bugs & US
0.5 – 1h
Part 1
Part 2
Part 3
1.5 h
Ad hoc
0.5h
release :)
Func Test
failed verify
5min
20 min
3.75h if ok
3days if Not

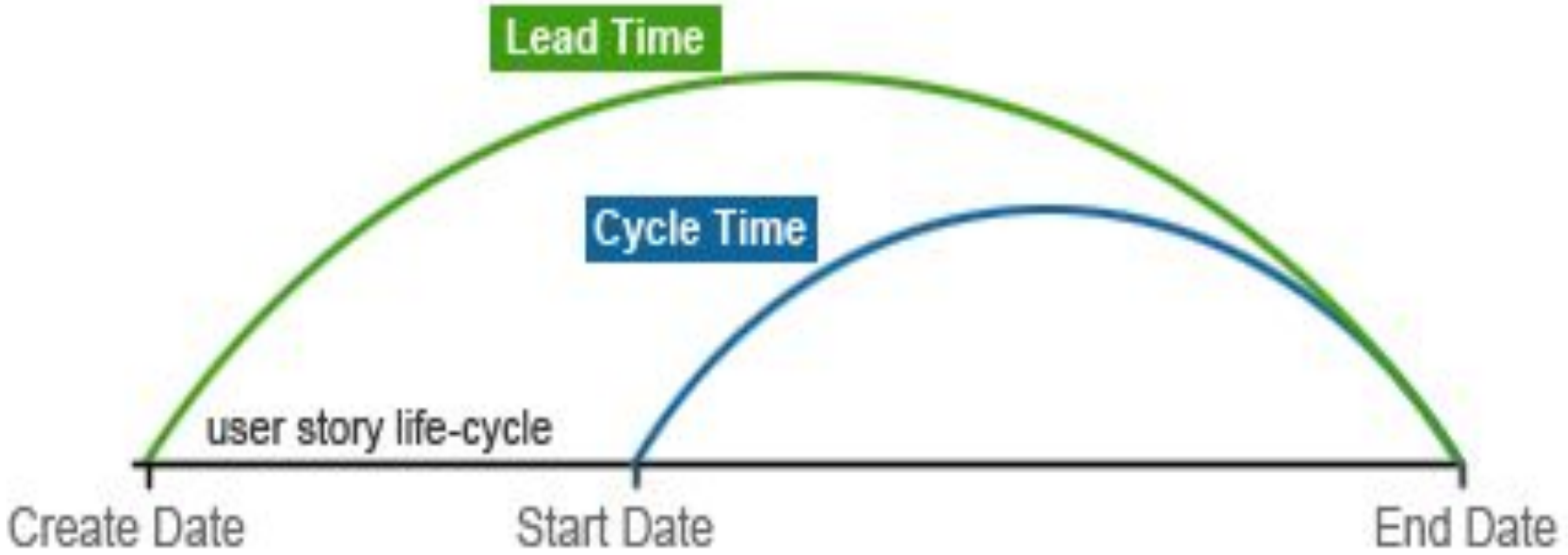
Work in Progress

Code Review - 4	Coded - 2 (limit 3)	Testing - 5	Ready To Merge - 3 (limit 3)	Merged - 4 (limit 7)	Func. Tests - 1 (limit 2)
23866 Importing doesn't work for the fields 'Effort' and 'Initial Estimate'	428 User Stories Drag And Drop Prioritization	28586 2 Duplicate bugs	29704 Whoops on opening entity	28302 "Request not found" error in attempt to view request by requester (not	30151 Implement basic plugin EDA architecture
28480 Kanban Board. Difference cards size under Google Chrome.	29873 4 Introduce milestones	29572 More predefined reports are generated instead of selected if terms of selected	29860 System.Invalid There is an error in XML document	29627 User can't create impediment	
29644 Last action messages should not be stored in cache		29594 Bugzilla. Our synchronization with Bugzilla is not working properly. The connection is	30115 [BB] Could not allocate space for object 'dbo.SORT temporary run storage:	29778 [Entity View] Permission violation in 'Move or Copy' control	
30149 [BB for entausa] multy assignment for developer state		28846 Form validation runs after clicking on Search		29896 Comment field appears in Add form after 'Save and Add New'	
		30166 [BB!] Access Denied for TP after update\clean install v. 2.20.3.1553			

Automation Tests

Done, Closed (10 latest)

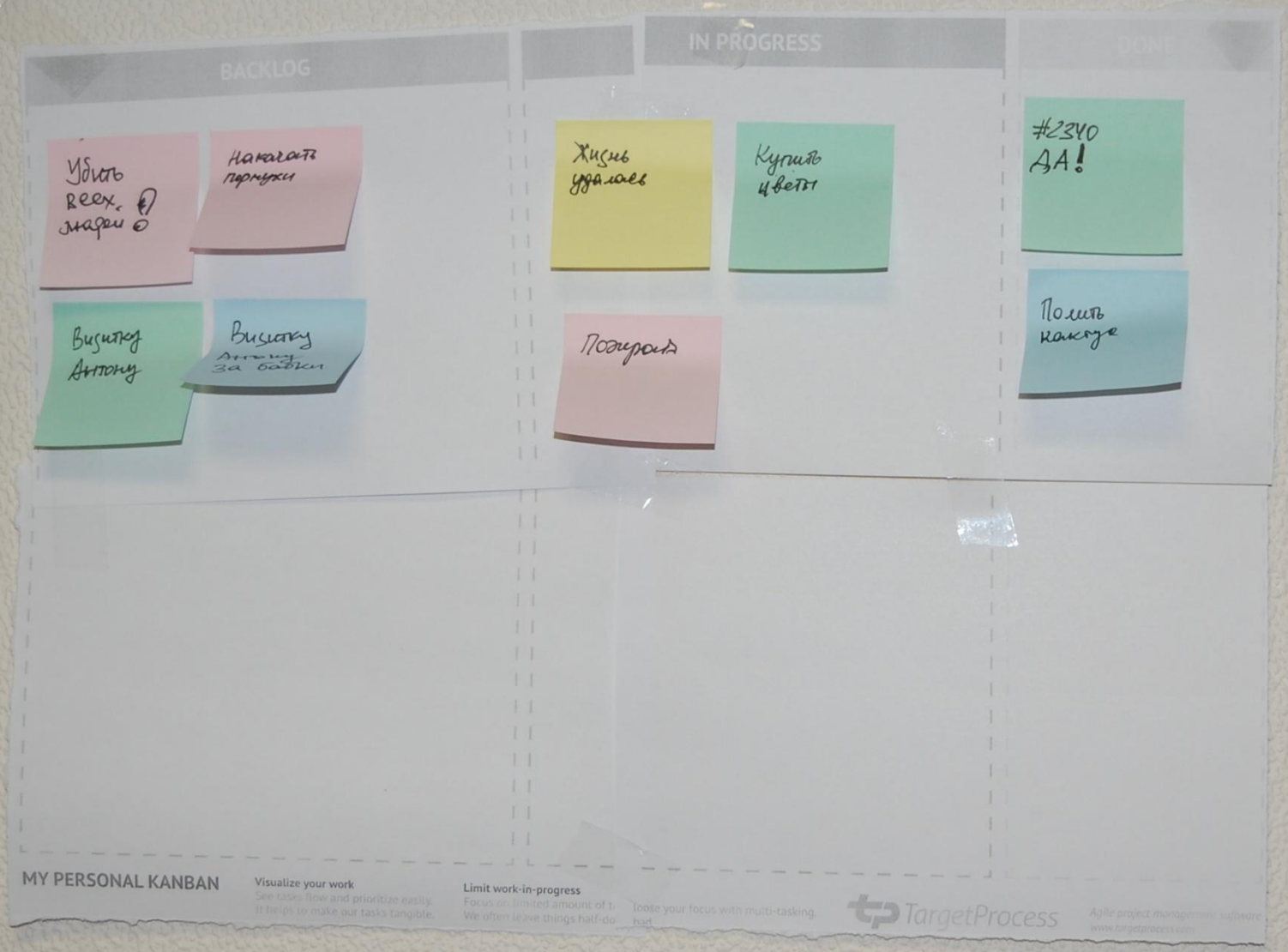
~~29566 Exporting test case from a project or test plan~~	~~29592 CSV show only one row of edit options on the Edit Description User Story page~~	~~29771 Inline Edit of User Story 'Effort' field doesn't work in IE8 if compatibility mode is ON and IE7~~	~~29776 Last Action message must always be displayed on the same page where the action~~	~~29798 Duplicate comments being inserted by Target Process when email notification is~~	~~29908 [Lists -> More Actions] Projects are grouped incorrectly~~


Lead Time
Cycle Time
user story life-cycle
Create Date
Start Date
End Date

Бережливый офис

Office Kanban Board

‘Zavhoz’ community


BACKLOG
IN PROGRESS
DONE
Убить всех, кроме Марио
Накачать пружки
Визитку Антону
Визитку Антону за бабки
Жизнь удалась
Купить цветы
Поздравить
#2340 ДА!
Полить кактус
MY PERSONAL KANBAN
Visualize your work
See tasks flow and prioritize easily. It helps to make our tasks tangible.
Limit work-in-progress
Focus on limited amount of t... We often leave things half-do...
loose your focus with multi-tasking. hard
TargetProcess
Agile project management software
www.targetprocess.com

August 20 16:00

Friday's Show
Creativity & Play

Tim Brown, IDEO CEO

+ short & hot intro

When you lose your car keys, send an email to the support.
People in TargetProcess like to keep abreast of what's going on
HAVE YOU SEEN THIS WIZARD?
SUBARU
Annandale Advocate
ForexClub
О, Марат! Олег!
или маленький эксперт большого

Двойной интеграл в полярной системе координат

Пусть на плоскости Oxy одновременно введена полярная система координат Oгφ
Ox - полярная ось, которая совпадает с осью Ox
φ - полярный угол
r - полярный радиус точки M.

$$S_1 = \pi (r+\Delta r)^2 \cdot \frac{\Delta\varphi}{2\pi} = \frac{1}{2}\Delta\varphi (r+\Delta r)^2$$
$$S_2 = \pi r^2 \cdot \frac{\Delta\varphi}{2\pi} = \frac{1}{2}\Delta\varphi \cdot r^2$$
$$\Rightarrow \Delta S = S_1 - S_2$$

Теорема

Если область D - является правильной в полярной системе координат Oгφ, то двойной интеграл вычисляется так:

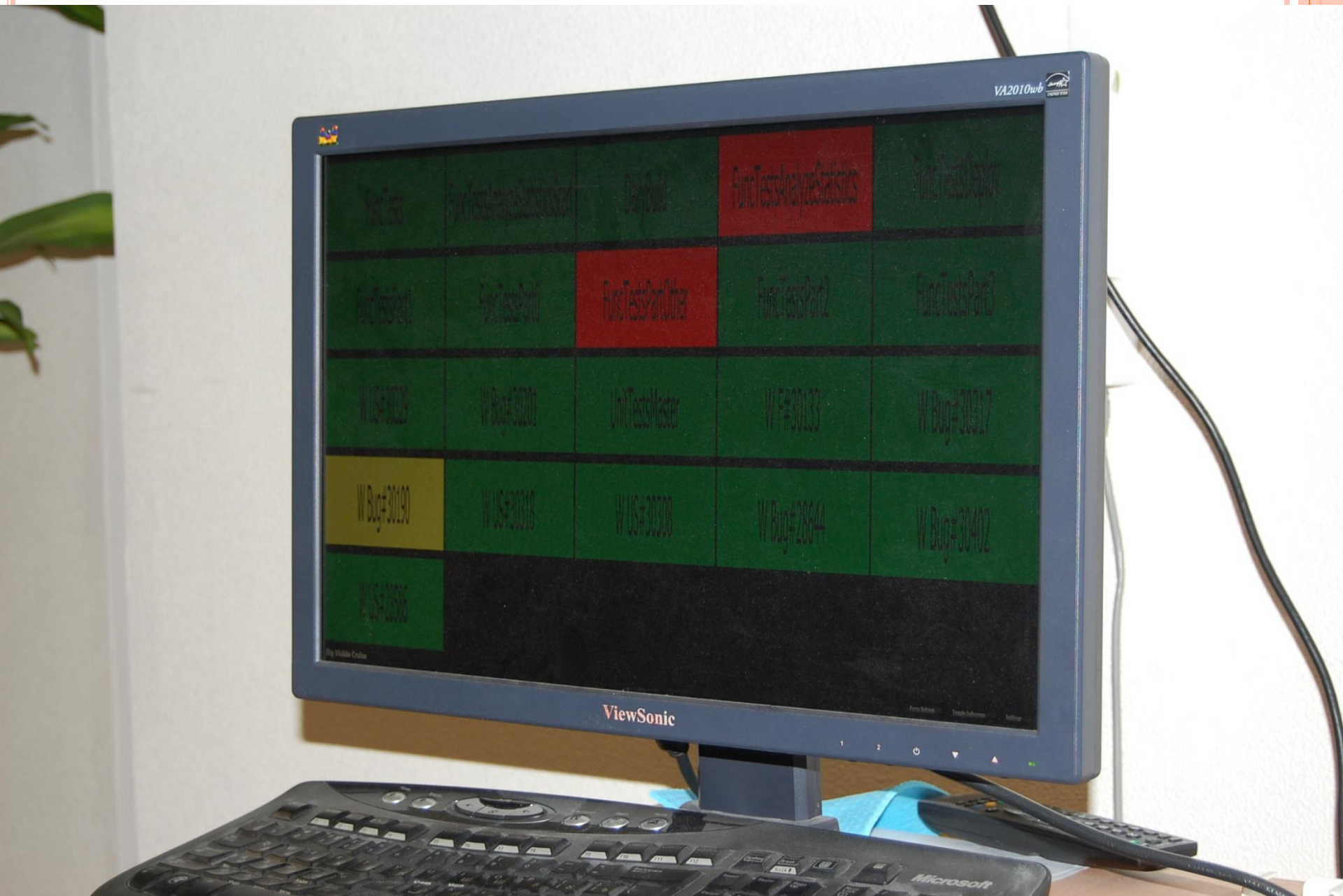
$$J = \int_{\varphi_1}^{\varphi_2} \left(\int_{r_1(\varphi)}^{r_2(\varphi)} f(r\cos\varphi; r\sin\varphi)\, r\, dr \right) d\varphi$$

Для полярной системы координат сетка представляет собой пересечение окружностей двигающихся радиусов с лучами, выходящими из точки O под всевозможными углами φ к полярной оси

Якобиан J - коэффициент искажения

$$J = \begin{vmatrix} x'_r & x'_\varphi \\ y'_r & y'_\varphi \end{vmatrix} = \begin{vmatrix} (r\cdot\cos\varphi)'_r & (r\cos\varphi)'_\varphi \\ (r\sin\varphi)'_r & (r\sin\varphi)'_\varphi \end{vmatrix} = \begin{vmatrix} \cos\varphi & \\ \sin\varphi & \end{vmatrix}$$

$$= r\cos^2\varphi + r\sin^2\varphi = r \Rightarrow dS = J \cdot d\sigma$$


VA2010wb
FunctTestsAnalyzeStatistics
FunctTestsPart2
UnitTestsPart3
UnitTestsTester
W Bug#30133
W Bug#30317
W Bug#30190
W Bug#28644
W Bug#30402
ViewSonic
Microsoft

За фикс теста

TestPluggingEvents

Time Tracking off

К сожалению я
не могу вам помочь сэр,
потому что я собака. Они
нуждались в дешевой
рабочей силе, а я, как раз,
работаю за колбасу...

И как вам это понравилось?

Questions & Answers

anton@targetprocess.com

- Ретроспективы vs. Stop The Line
- Хэнсей
- Pomidor Practice