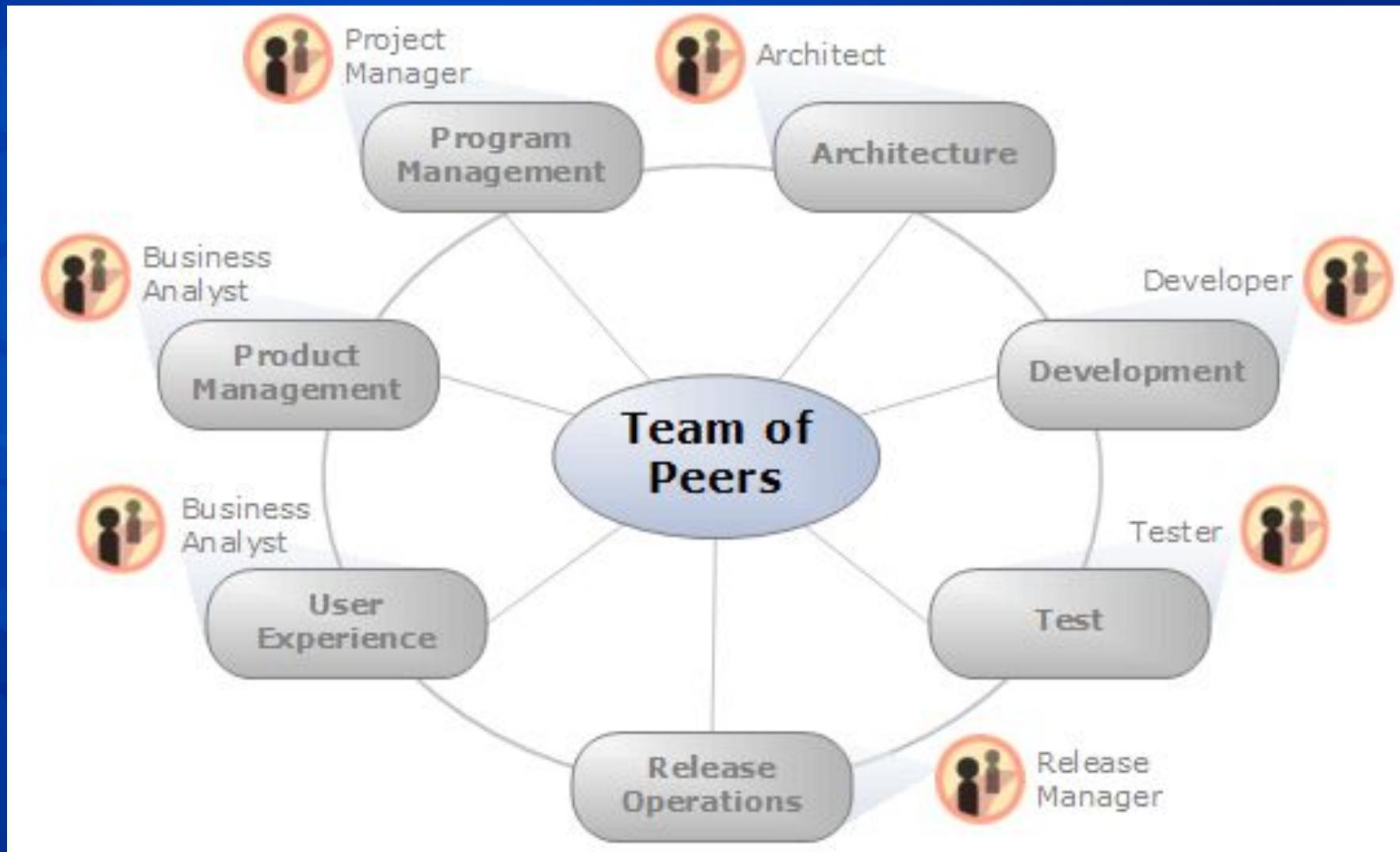


Visual Studio Team System

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Microsoft

Team of peers



Team Foundation Server

- Project Templates
- Version Control
- Work Item Tracking
- Team Portal
- Team Foundation Build
- Team Reporting
- Project Management
- Team Explorer

Demo



Шаблоны: MSF Agile, CMMI

Встроенная методология разработки ПО

- Поддержка быстрого (Agile) и детального (CMMI) процессов.
- Настройка проекта
- Каждый проект может иметь свой шаблон
- Поддержка шаблонов от сторонних компаний и партнеров

Project Portal Glossary

Overview Roles Work Items Index

Concepts

Cycles and Iterations
Principles

Concepts

Visual Studio Team System 2005

Process Guidance
Microsoft Solutions Framework (MSF) Agile is the process guidance for the current Team Project. This page introduces key concepts.

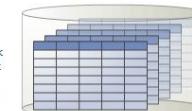
Roles
Team members assume one or more Roles.



Work Streams and Activities
Roles do activities, which are grouped in Work Streams. Activities may produce certain Work Products and may require Work Products in certain states before they can be performed.



Work Products
Work Products are the documents, spreadsheets, project plans, source code, and other etangible output from the activities.



Queries and reports let you track your Project status health in real time.

Team System
Team System provides tools that you can use to enact the MSF guidance.

Users and Groups
Team members log in as Users. Users belong to Groups, which enforce security privileges, and can be used to implement Roles.

Work Item Database and Metric Warehouse
Everything planned or tracked for the Team Project is managed in a database. Those records are called work items. They can track the state of activities or tasks within them.

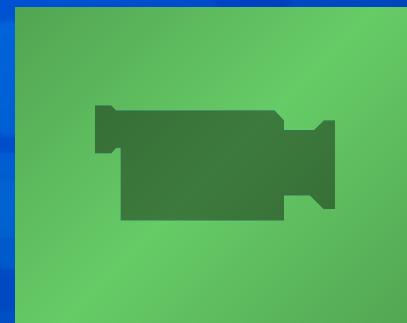


Source Control and Project Portal
Team Foundation Source Control stores some of the Work Products, such as source code and text. The rest, such as documents, spreadsheets, and project plans are stored on the Project Portal. Spreadsheets and Project Plans may be linked to the Work Item Database.

Legal stuff More legal Blah blah blah

Demo

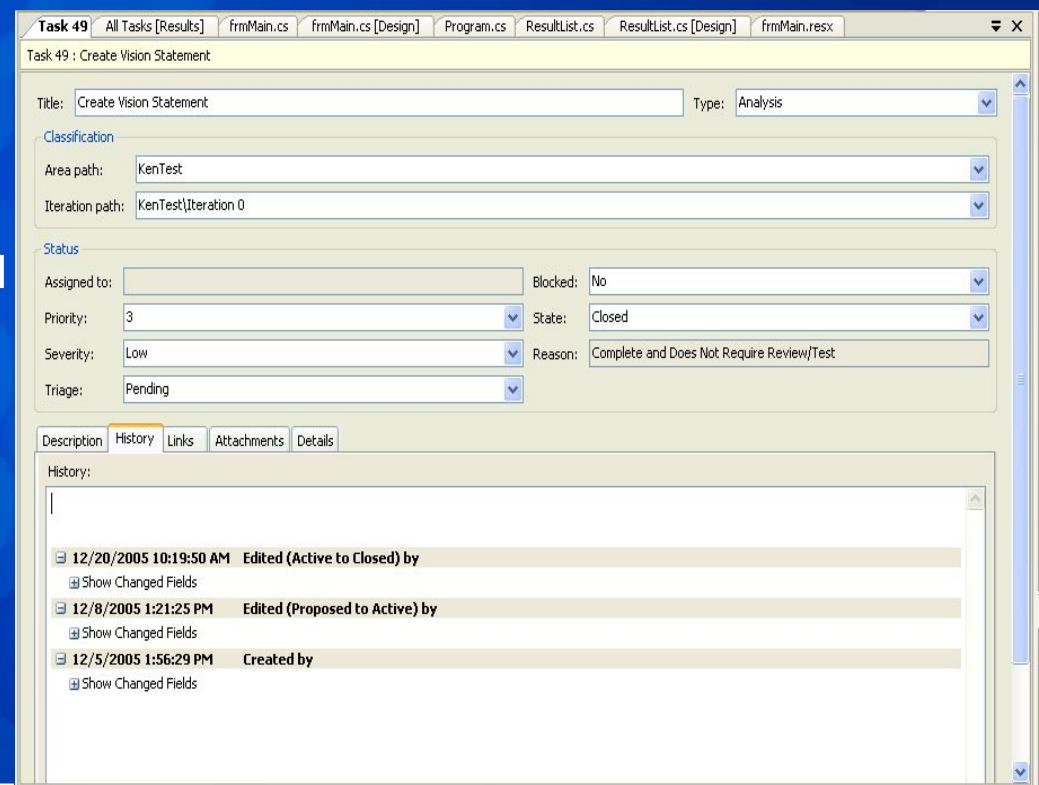
Изменение шаблона



Work Items

Work Item – общий термин для объекта информации в процессе разработки ПО. Примеры: Баг, Рабочее задание, SLA, Спецификация, Сценарий

- Встроен IDE
- Настраиваемый, может включать любую необходимую компании информацию
- Настраиваемый поток оборота, состояния, и нотификации
- Включает шаблоны процессов, т.е. разные проекты могут следовать общей методологии



Microsoft Excel - All Items.xls

File Edit View Insert Format Tools Data Window Help Arial 10 B E F A4 Store search: Customers can locate a store by City, State, Zip Code

A	B	C	D	E	F
1 Title	Requirement	Active	1		
2 Instore pickup: Customers should be able to pickup their online orders in a retail store.	Requirement	Active	1		
3 Store locator: The website should provide the store locator functionality.	Requirement	Active	1		
4 Store search: Customers can locate a store by City, State, Zip Code	Requirement	Active	1		
5 Store Map: The website should assist the customer with map and driving directions to the store of their choice.	Requirement	Active	1		
6 Store inventory: Customers should be able to check inventory by store or a store within a specified radius.	Requirement	Active	1		
7 Hold inventory: The website should allow customers to reserve inventory for 4 days	Requirement	Active	1		
8 Confirmation: Customers should be notified upon the completion of the sale	Requirement	Active	1		
9 *					TBD
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Creating work items in Microsoft Excel

Assigning resources
to work items through
Microsoft Project.

Microsoft Project - All Items.mpp

File Edit View Insert Format Tools Project Collaborate Work Items Window Help

Sync Refresh Import No Group

Work Item ID	State	Task Name	Duration	Finish	Resource Names
1	Active	Development	3 days	Wed 4/28/04	Art Benson(%)
2	Active	Design instore pickup, store locator and inventory services	2 days	Tue 4/27/04	Art Benson
3	Active	Identify implementation tasks for new services	1 day	Wed 4/28/04	Art Benson
4	Active	Testing	13 days	Mon 5/17/04	Renee Davis(%)
5	Active	Scenario Test	10 days	Wed 5/12/04	Renee Davis
6	Active	Test: Instore pickup: Customers should be able to pickup their online orders in a retail st...	3 days	Mon 5/5/04	Renee Davis
7	Active	Test: Store locator: The website should provide the store locator functionality.	1 day	Tue 5/4/04	Renee Davis
8	Active	Test: Store Map: The website should assist the customer with map and driving directio...	1 day	Wed 5/5/04	Renee Davis
9	Active	Test: Store inventory: Customers should be able to check inventory by store or a st...	1 day	Thu 5/6/04	Renee Davis
10	Active				
11	Active				
12	Active				
13	Active				

Microsoft Development Environment

File Edit View Project Build Debug Data Tools Window Help

Portofolio Explorer

All Items

Advanced Query Result Options

ID	Status	Priority	Title	Kind
xxxxx	Active	1	Instore pickup: Customers should be able to pick...	Requirement
xxxxx	Active	1	Store locator: The website should provide the st...	Requirement
xxxxx	Active	1	Store Search: Customers can locate a store by...	Requirement
xxxxx	Active	2	Store Map: The website should assist the custo...	Requirement
xxxxx	Active	1	Store Inventory: Customer with map and driv...	Requirement
xxxxx	Active	2	Hold Inventory: The website should allow custom...	Requirement
xxxxx	Active	2	Confirmation: Customers should be notified up...	Requirement

Work items in Visual Studio

Query Results: 7 results found

State: Active

Reason: New

Assigned To: JacquiAckerman

Kind: Requirement

Description:

Instore pickup: Customers should be able to pickup their online orders in a retail store per contract number 999.

Conversation:

Date: mm/dd/yyyy hh:mm Opened by JacquiAckerman (Task 5559)

Done: posuire du eu labortis commodo. Nunc sit amet purus quis tellus venenatis ante. Nulla feugiat ante ut augue. Nunc egestas turpis vel nulla.

Post comment

Plan Implement Deploy

Status of the project in Microsoft Excel or Microsoft Project

Microsoft Excel - PhaseView

File Edit View Insert Format Tools Data Window Help

A	B	C	D	E	F	G	H	I
	Title	Phase	Iteration	Status	Reason	Priority	Process Guidance	Docs Reports
1	Activate	Plan	IT	Closed	Resolution Confirmed	1		
2	Identify & Assign Team Resources	Plan	IT	Closed	Resolution Confirmed	1	PG	Project Structure
3	Validate objectives	Plan	IT	Closed	Resolution Confirmed	1	PG	Vision Scope
4	Gather requirements	Plan	IT	Closed	Resolution Confirmed	1	PG	Requirements Regmets By
5	Analyze	Plan	IT	Closed	Resolution Confirmed	1	PG	
6	Create Use Case Scenarios	Plan	IT	Closed	Resolution Confirmed	1	PG	Usage Scenarios Scenarios
7	Build Use cases	Plan	IT	Closed	Resolution Confirmed	1	PG	Solution Concept
8	Document Solution Concept	Plan	IT	Closed	Resolution Confirmed	1	PG	
9	Design	Plan	IT	Closed	Resolution Confirmed	1	PG	
10	Create Architecture and Design	Plan	IT	Resolved	Fixed	1	PG	
11	Design: Instore pickup, store locator and inventory Services	Plan	IT	Resolved	Fixed	1	PG	
12	Implement Business Logic for Find Store	Implement	IT	Resolved	Fixed	1	PG	
13	Implement Test Features	Implement	IT	Resolved	Fixed	1	PG	
14	Refactor Features	Implement	IT	Resolved	Fixed	1	PG	
15	Test	Implement	IT	Resolved	Fixed	1	PG	
16	Write Test Cases	Implement	IT	Resolved	Fixed	1	PG	
17	Complete Test Passes (all other in-depth tests)	Implement	IT	Resolved	Fixed	1	PG	
18	Run Load Test on Lab Configuration	Implement	IT	Resolved	Fixed	1	PG	
19	Stabilize	Implement	IT	Resolved	Fixed	1	PG	
20	Resolve Bugs	Implement	IT	Resolved	Fixed	1	PG	Resolved
21	Perform Integration Testing	Implement	IT	Resolved	Fixed	1	PG	
22	Reach ZBB	Implement	IT	Resolved	Fixed	1	PG	Bug Convergence
23	Final Customer Acceptance Test	Deploy	IT	Active		1	PG	ZBB Trend
24	Identify Release Candidates	Deploy	IT	Active		1		
25	Release to Production	Deploy	IT	Active		1	PG	
26	Transition	Deploy	IT	Active		1	PG	Release Signoff Form
27	Complete final documentation	Deploy	IT	Active		1	PG	
28	Transfer to operations	Deploy	IT	Active		1	PG	
29	Closeout	Deploy	IT	Active		1	PG	
30	Obtain customer approval	Deploy	IT	Active		1	PG	
31	Post Project Review	Deploy	IT	Active		1	PG	Post Project Analysis
32								
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43								

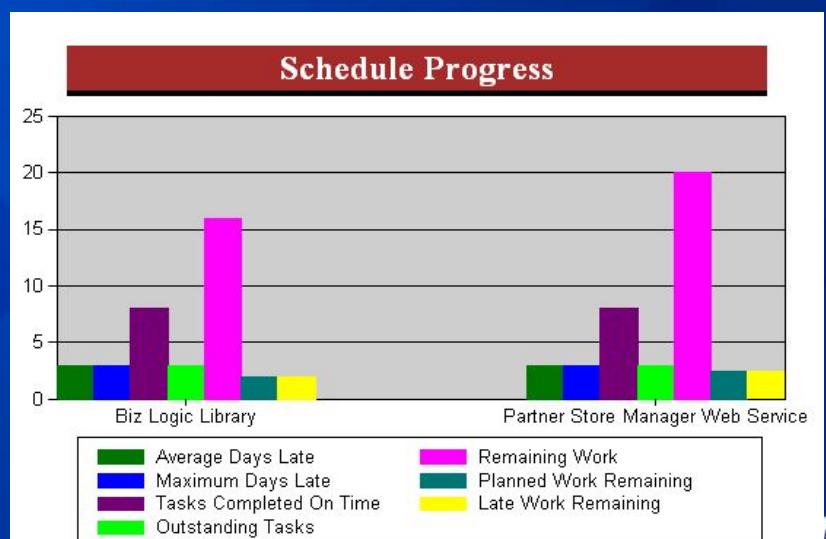
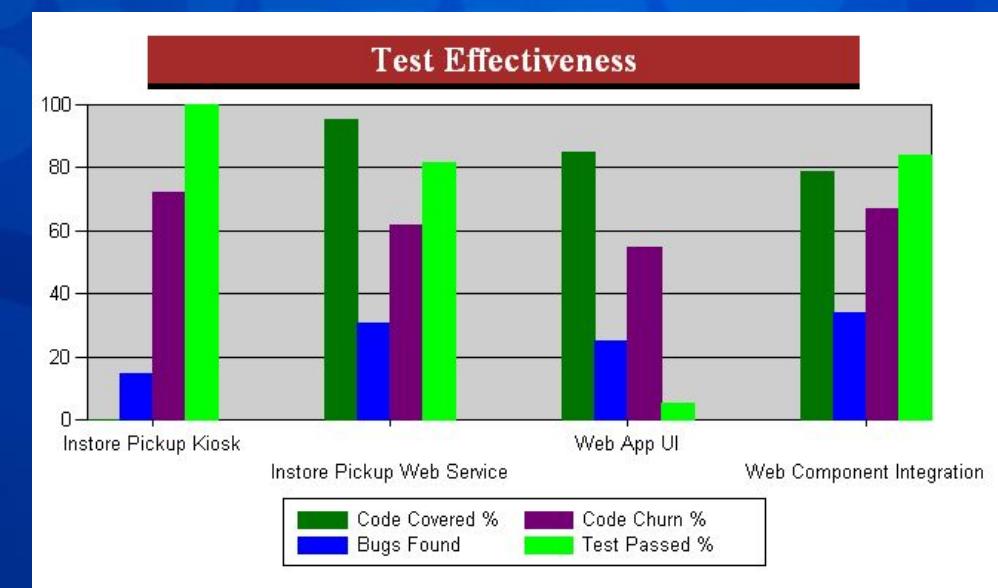
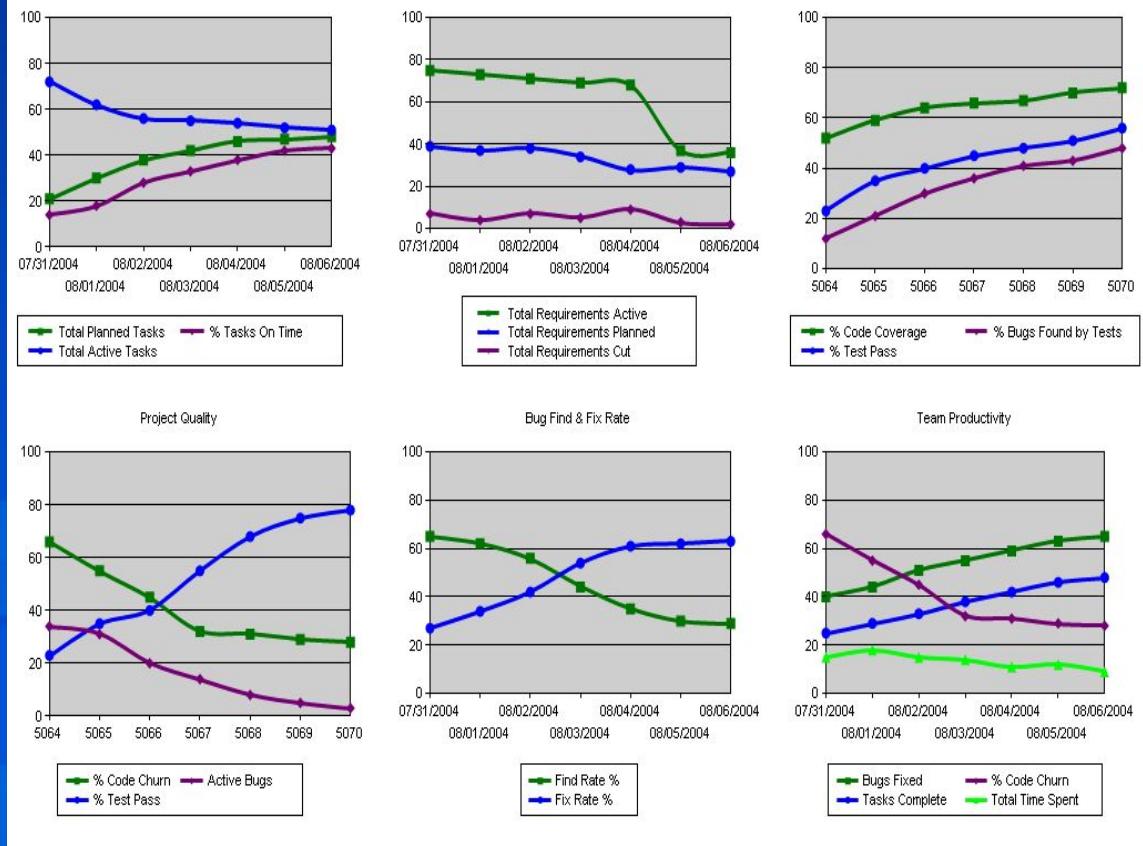
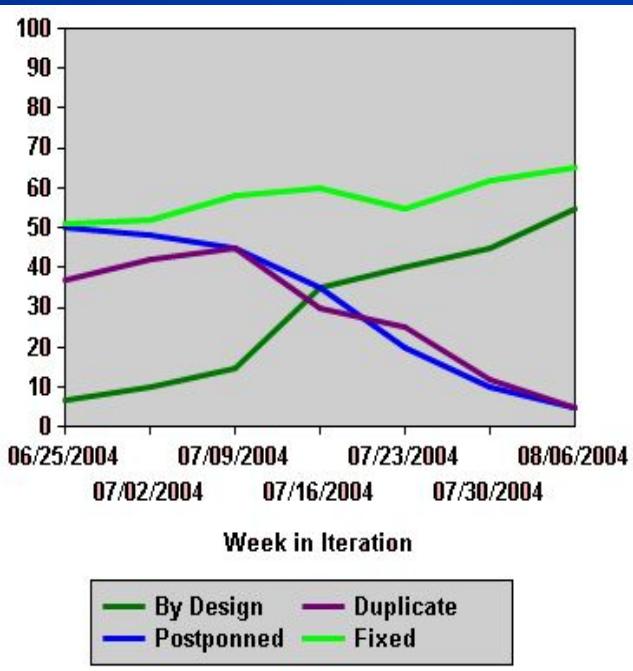
Microsoft

Work Item Type Definition

- Name
- Description
- Fields
- Work Flow
- Field Rules
- Form
- Global Lists
- Transition Actions

```
<WITD application="my editor" version="1.0">
  <WORKITEMTYPE name="Custom Code Defect">
    <FIELDS>
      <FIELD name="Severity" refname="Custom.Severity" type="Integer">
        <HELPTEXT>How severe the code defect is</HELPTEXT>
        <REQUIRED />
      </FIELD>
    </FIELDS>
    <WORKFLOW>
      <STATES>
        <STATE value="Active" />
      </STATES>
      <TRANSITIONS>
        <TRANSITION from="" to="Active">
          <REASONS>
            <DEFAULTREASON value="New" />
          </REASONS>
        </TRANSITION>
      </TRANSITIONS>
    </WORKFLOW>
    <FORM>
      <Layout>
        <Control Type="FieldControl" FieldName="Custom.Severity" Label="Severity" LabelPosition="Left" />
      </Layout>
    </FORM>
  </WORKITEMTYPE>
</WITD>
```

Отчеты

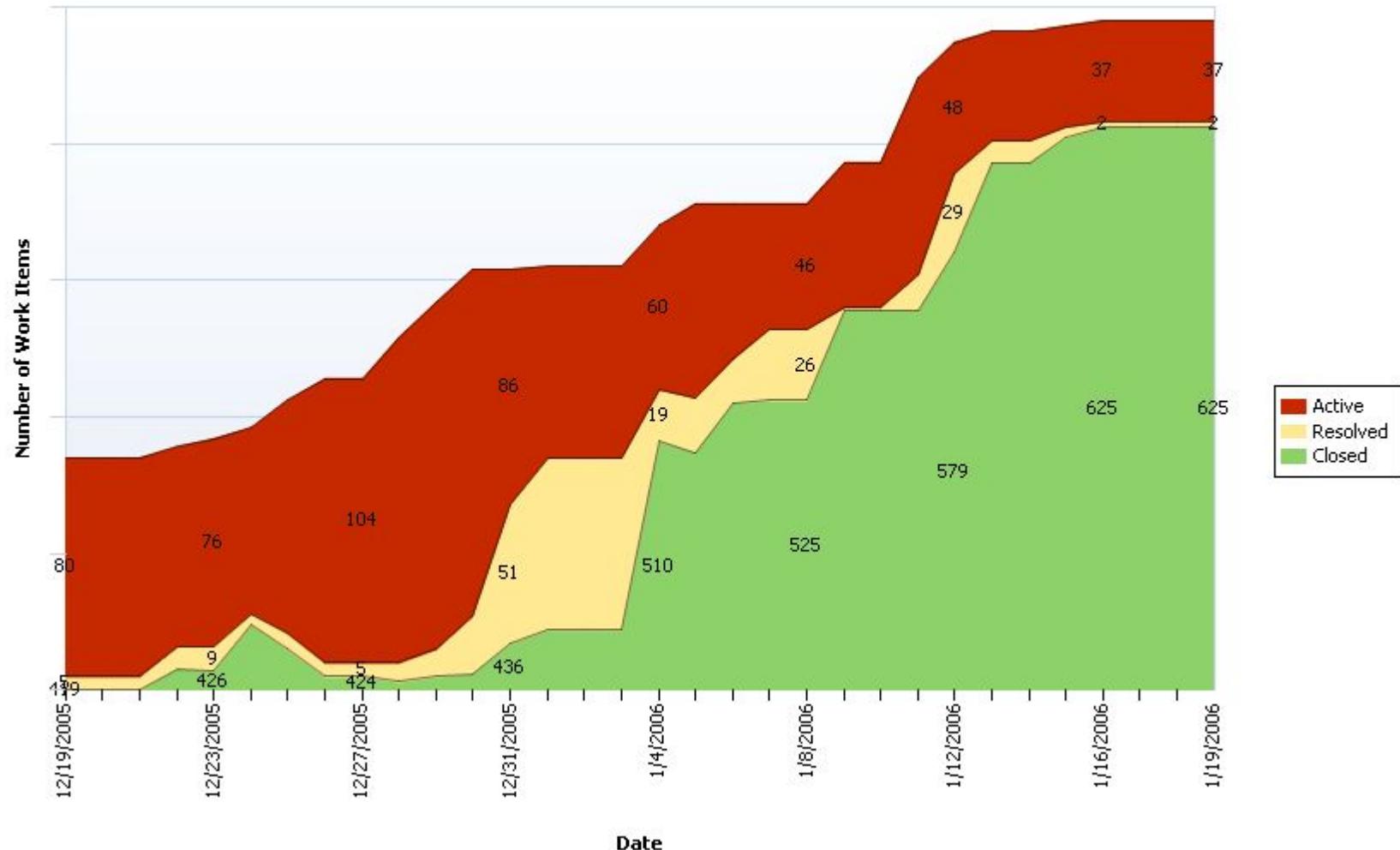


Незаконченная работа

Remaining Work

Report Generated: 1/19/2006 10:32:48 AM by REDMOND\tompat; Last Warehouse Update: 1/19/2006 9:49:52 AM

How much work is left and when will it be done?

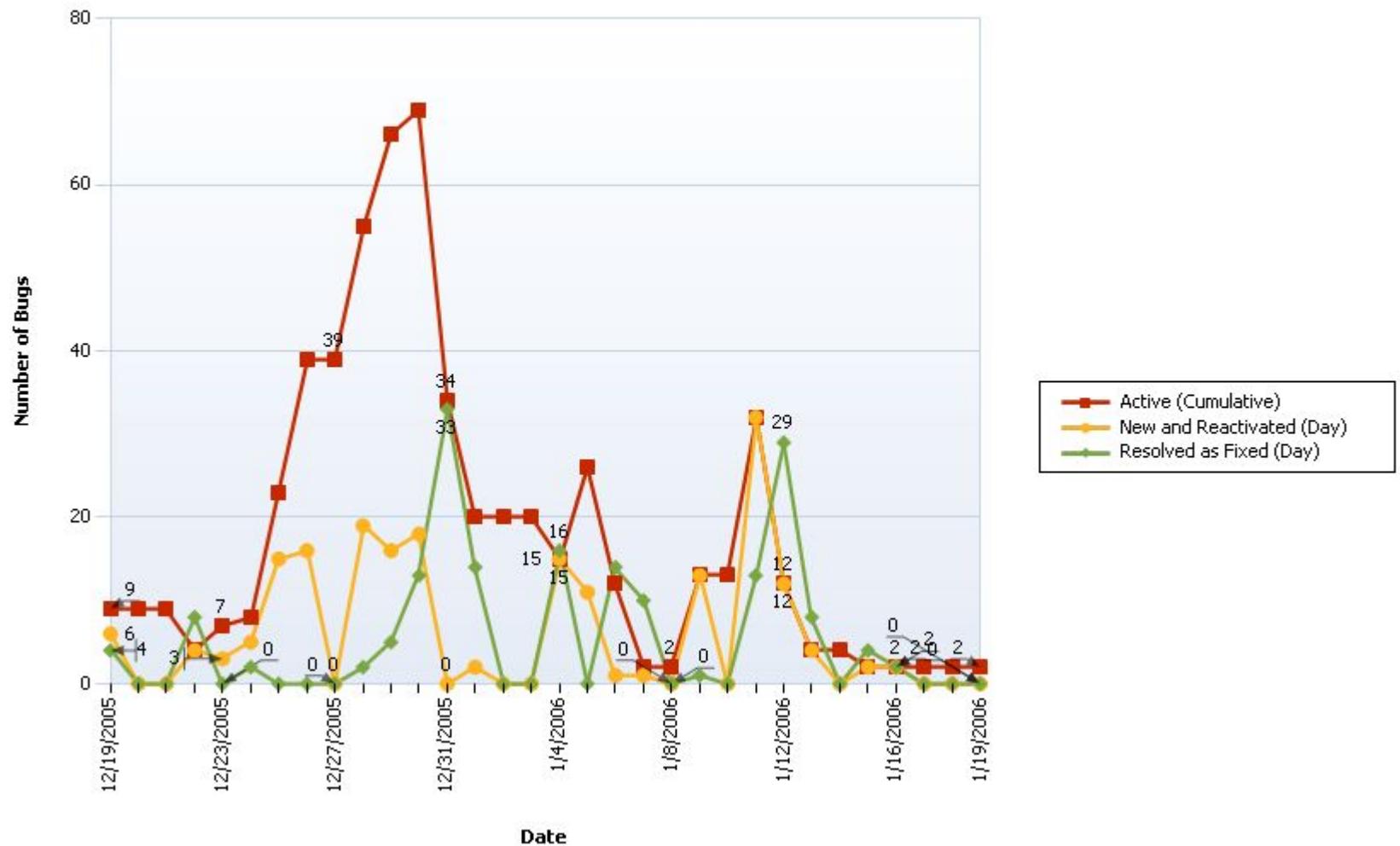


Баги

Bug Rates

Report Generated: 1/19/2006 10:08:04 AM by REDMOND\lompat; Last Warehouse Update: 1/19/2006 9:49:52 AM

How effectively are we finding, fixing and closing bugs?

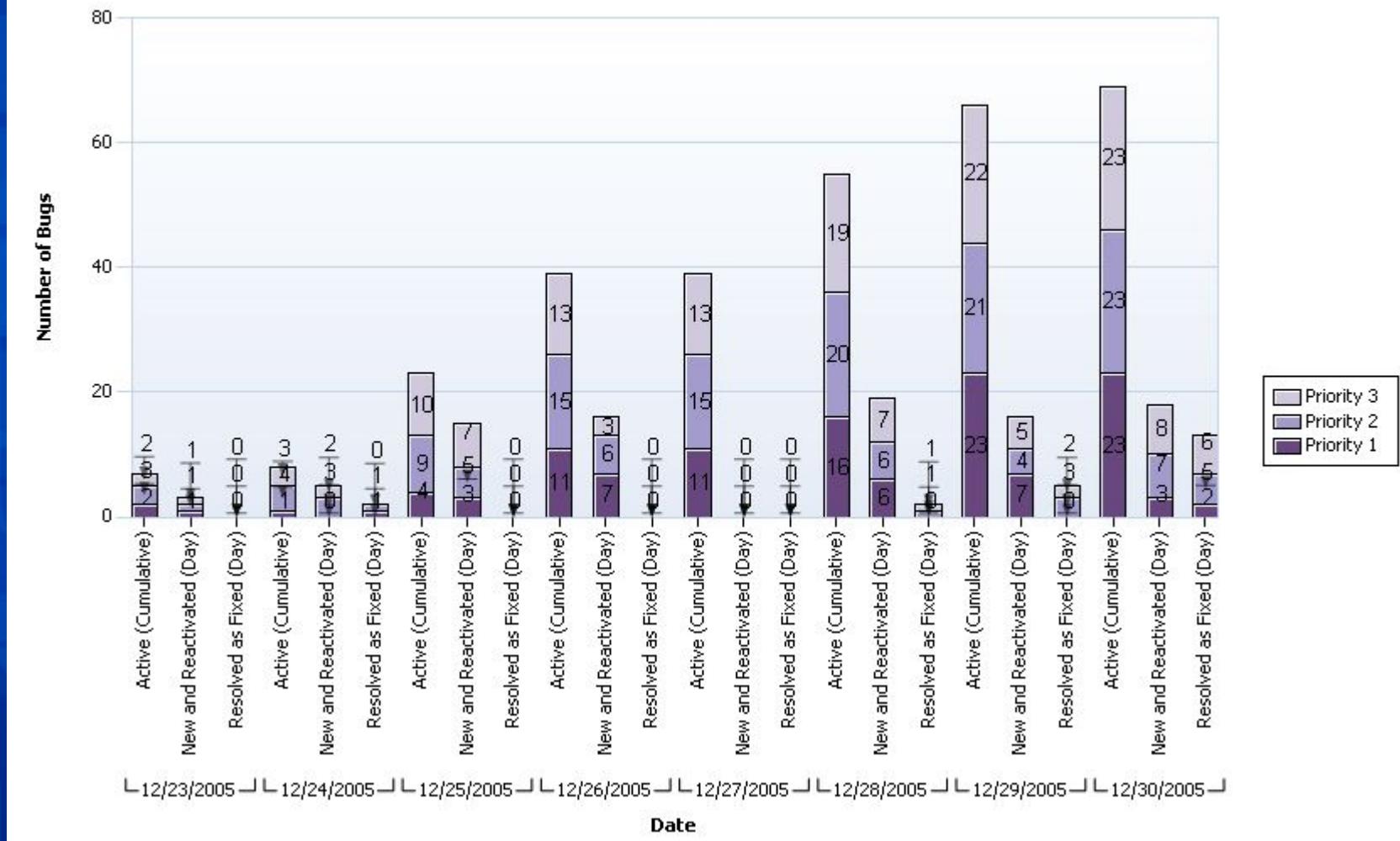


Баги по приоритету

Bugs by Priority

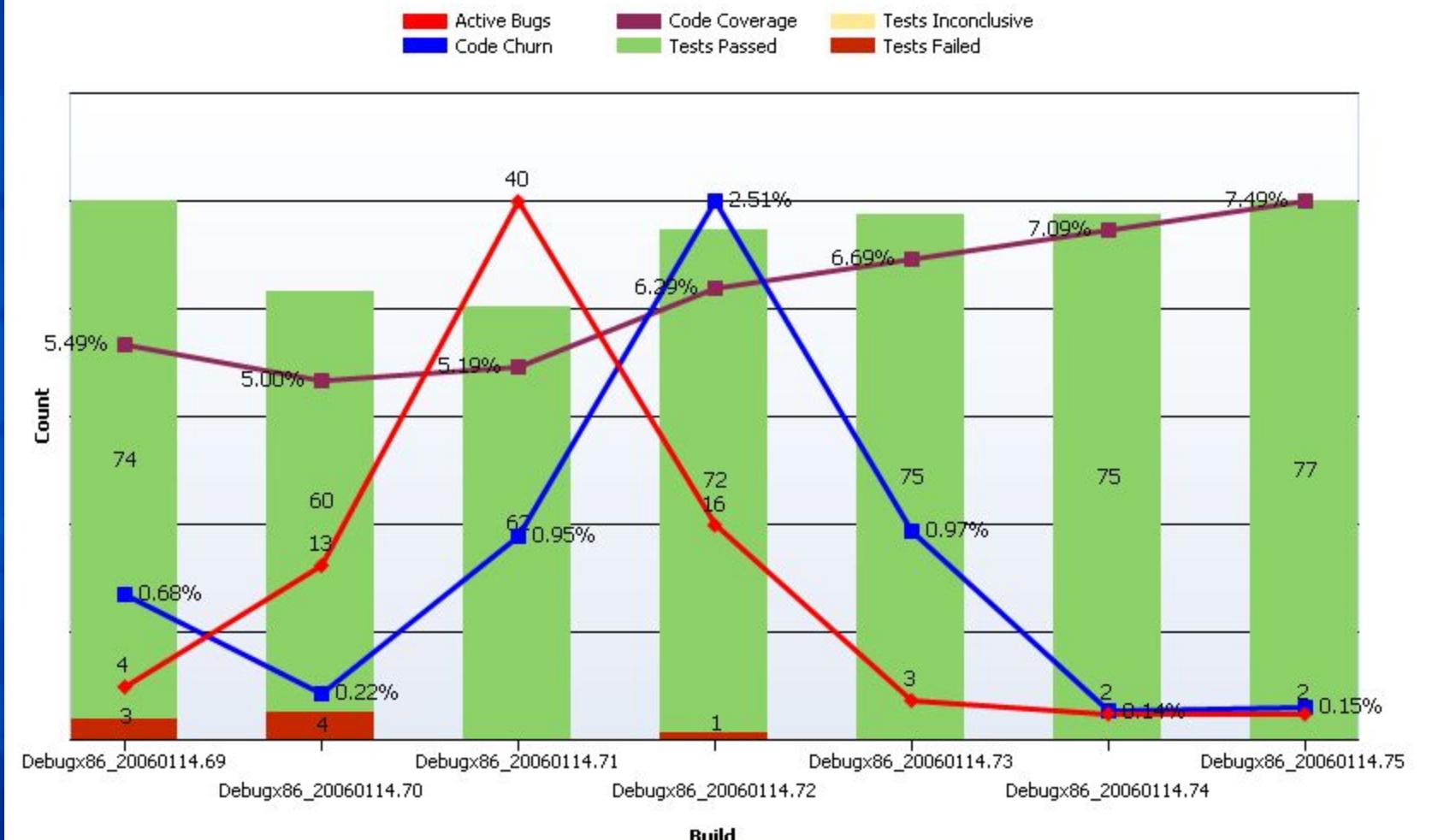
Report Generated: 1/19/2006 10:10:27 AM by REDMOND\tompat; Last Warehouse Update: 1/19/2006 9:49:52 AM

Are we finding and triaging the right bugs?



Индикаторы Качества

What is the quality of the software?



Questions



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