

Extreme Programming

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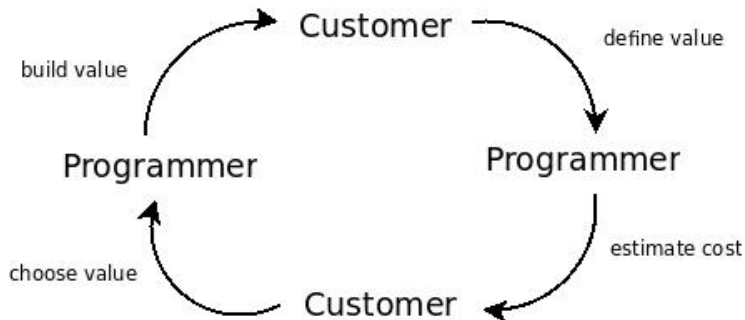
What is XP?

Some concepts from XP

- Phase concepts:
 - Stories
 - Iteration
 - Release
- Acceptance test
- Pair programming
- Estimation
- Roles:
 - The customer
 - The programmer

In short a philosophy of developing with focus on the customer.

The process - overview



The process - in details

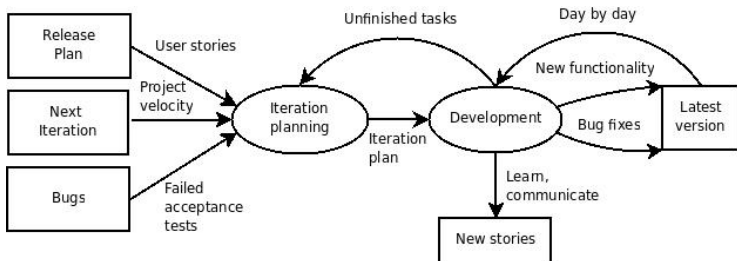


Figure: A detailed figure of the XP process (from <http://www.extremeprogramming.org>)

Developing with XP - Stories

- The customer defines the system using stories.
- Each story should be small.
- They are written on small paper peaces.
(To ensure they are not getting too big)
- An example:
Example 1. Allow the user to attach a file, and add it to the composing window s.t. the user can see how many files there is attached.
- Each story should increase the products *buisness value*.

Developing with XP - Release planning

A meeting where the upcoming release is planned, the customer and the programmers are present. The size of the release should be about 5-6 iterations.

A recipe for that meeting could be:

- Make sure that you have enough stories for a successful product
- Do necessary exploration
- Estimate the difficulty of implementing each story
- Estimate the speed of story implementation
- Choose stories for the first release, and set a release date

Developing with XP - Iteration planning

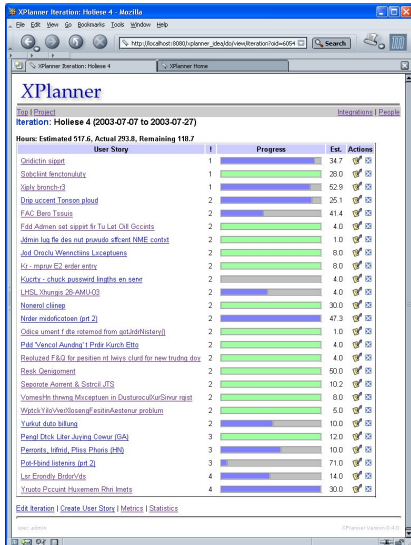
A meeting like the release planning, where the upcoming iteration is planned. A iteration should be done within 2-3 weeks of work.

- The customer presents user stories
- The team brainstorms engineering tasks
- The programmer signs up for and estimates the work

Programming with XP

- Pair programming
- Collective Code Ownership
- Simple design (i.e. refactoring of "bad" code)
- Continuous Integration
- Coding standard
- Automated test

XPlanner - Iteration view



Xplanner - Story view

Xplanner Story: Lsr Erondly BrdorVds - Mozilla

File Edit View Go Bookmarks Tools Window Help

http://localhost:8080/xplanner_idea/ds/view/userstor...

XPlanner

Top | Project | Iteration Integrations | People

Story: Lsr Erondly BrdorVds

http://example.com/design_notes.txt

Feature	Description
First Feature	This is the first feature
Another one	This is another feature

- Item 1
- Item 2

Priority: 4 Estimated Hours: 14.0
Actual Hours: 6.6

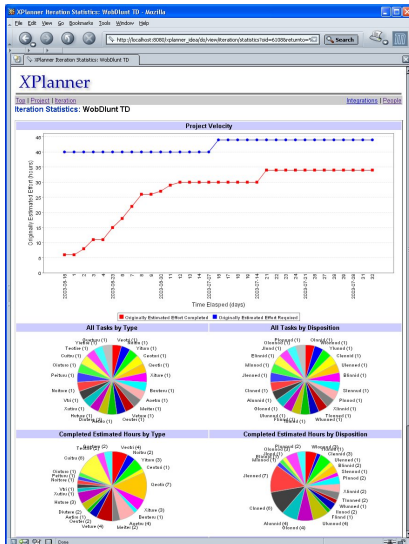
Task Name	Type	Progress	Est.	Acc.	Disposition	Actions
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[Edit Story](#) | [Create Task](#)

Notes: [Add Note](#)

user: admin XPlanner Version 0.4.0

Xplanner - Statistics



References

My primary source is:

- Ron Jeffries, Ann Anderson, Chet Hendrickson, *Extreme Programming Installed* (ISDN: 0-201-70842-6)

Some links

- The Xplanner tool: <http://www.xplanner.org>
- Extreme Programming website:
<http://www.extremeprogramming.org>