

Owning AGILE


Presented by Steve Raynes

About me




- ▶ Certified Agile Tester
- ▶ Certified Advanced Test Analyst
- ▶ Accredited PMBOK Practitioner
- ▶ Prince2 Practitioner

Work History

- ▶ Business Degree from Curtin
 - ▶ Developer for 20 years
 - ▶ 5 years solely in the testing space
 - ▶ Presently working at the Independent Market Operator
 - ▶ Keen interest in quality and communication
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Why am I here?

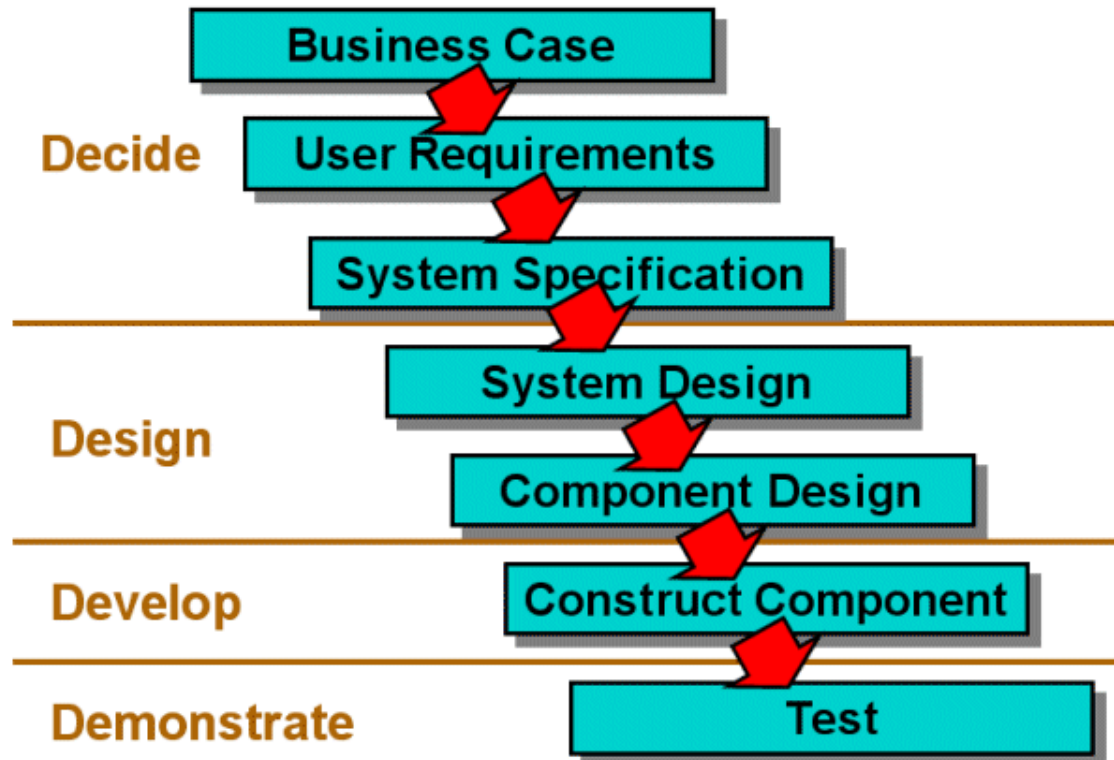
- ▶ AGILE needs everyone on board
 - ▶ AGILE needs everyone to understand “why”
 - ▶ AGILE needs you to believe!
 - ▶ ..but AGILE needs you to speak up too
 - ▶ I want to help you get there.
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Lets look at some older,
more traditional
methodologies...



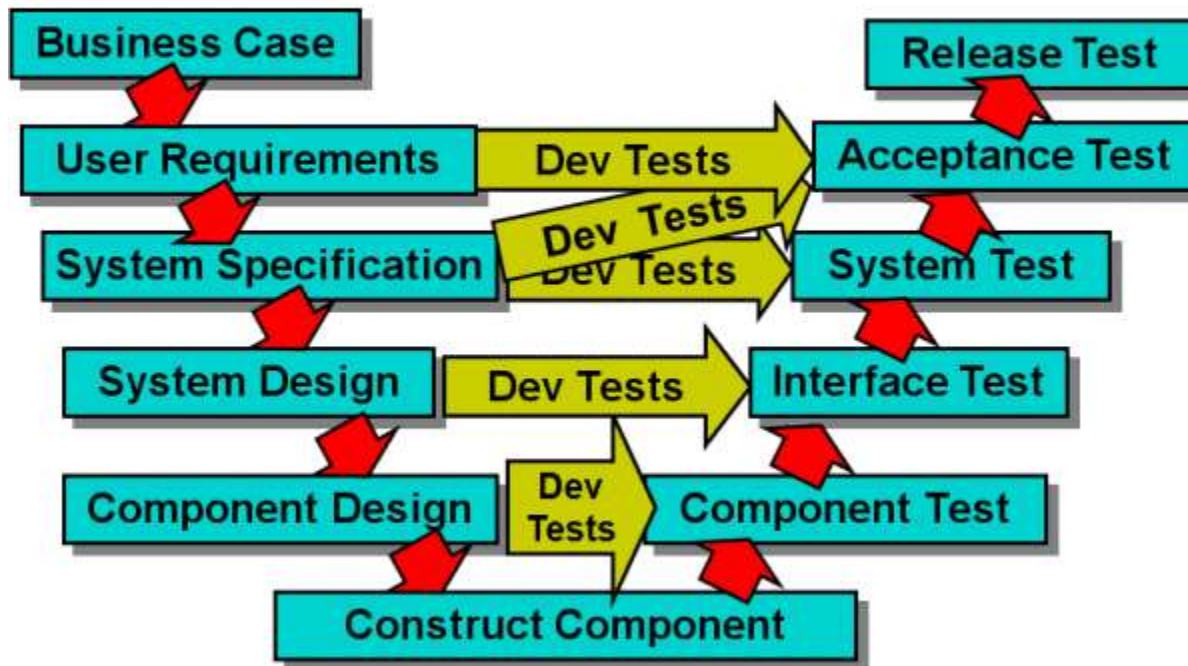
Waterfall projects

Waterfall Model



V-Model Projects

V-Model



So what does Agile
look like?



The Manifesto

We have come to value:

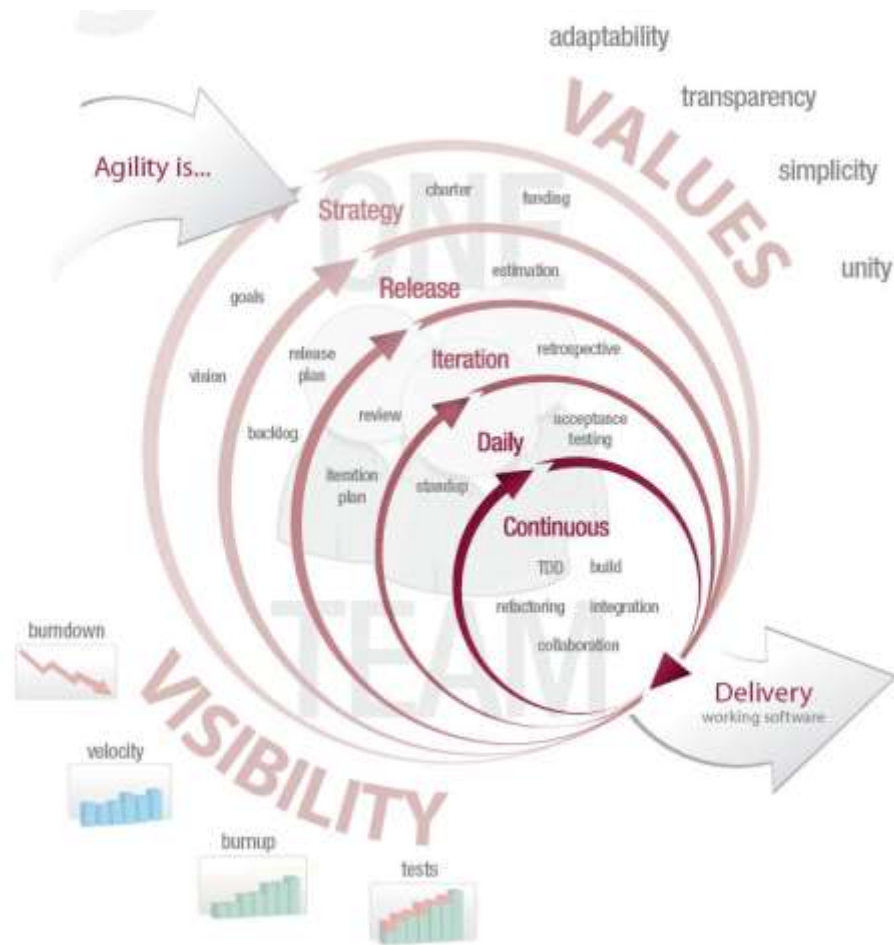
- Individuals and interactions over processes and tools
- Working software over comprehensive documentation
- Customer collaboration over contract negotiation
- Responding to change over following a plan

That is, while there is value in the items on the right, we value the items on the left more.

Kent Beck, Mike Beedle, Arie van Bennekum, Alistair Cockburn, Ward Cunningham, Martin Fowler, James Grenning, Jim Highsmith, Andrew Hunt, Ron Jeffries, Jon Kern, Brian Marick, Robert C. Martin, Steve Mellor, Ken Schwaber, Jeff Sutherland, Dave Thomas

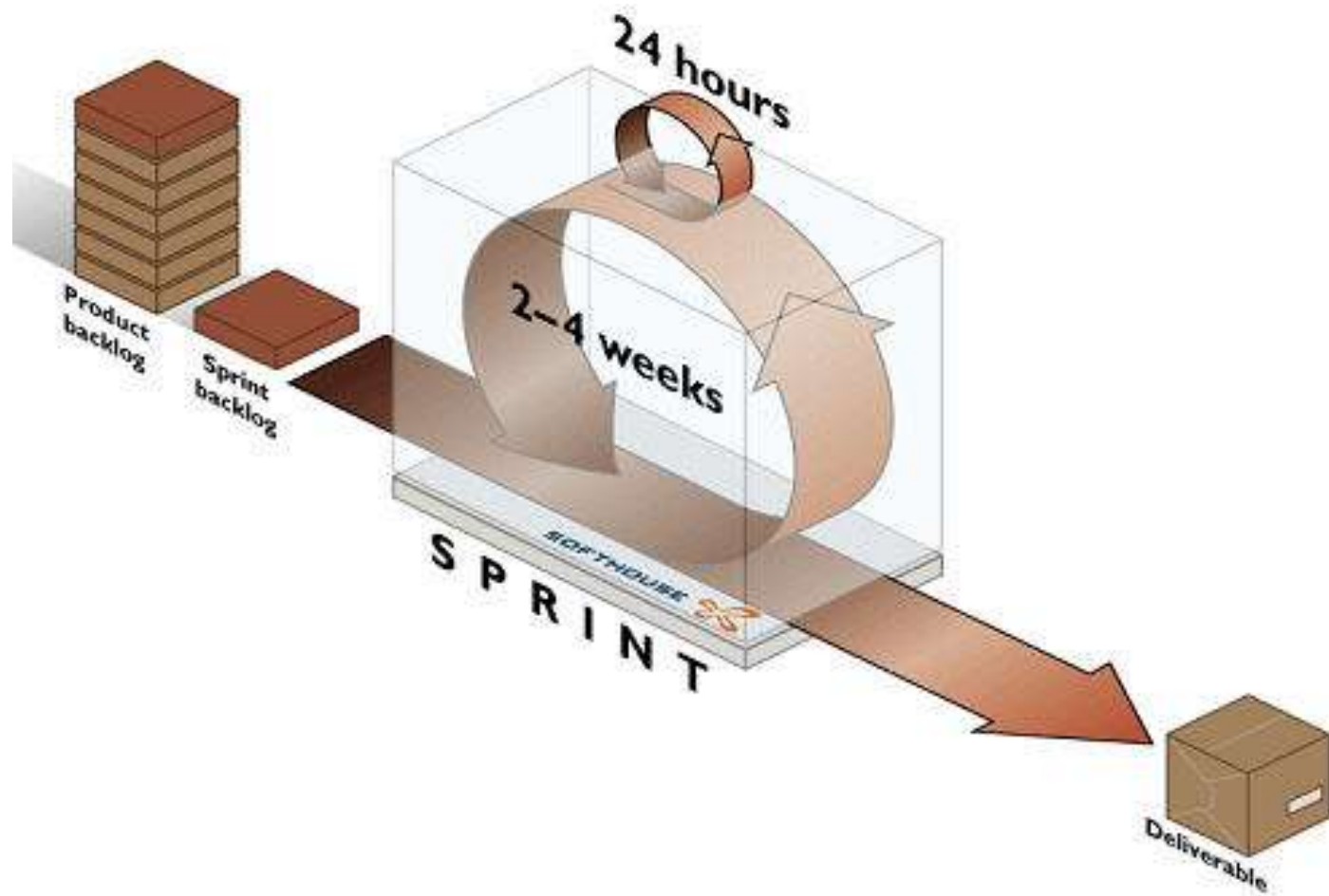
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Agile Projects




**..or to look at it
another way..**

..Agile




Types of Agile

- ▶ Scrum
 - ▶ XP
 - ▶ Lean
 - ▶ Kanban
 - ▶ ...and lots more
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The Team

- ▶ Developers
 - ▶ Business Analysts
 - ▶ Testers
 - ▶ Product Owner
 - ▶ Pairing
 - ▶ Geography
 - ▶ Motivation
- 

Backlogs


- ▶ A Backlog is a list of everything that needs to be done.
 - ▶ There are Product Backlogs and Sprint Backlogs
 - ▶ Everything starts in the Product Backlog
 - ▶ At the start of the Sprint, we move Stories into that sprints backlog
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The JIRA Product and Sprint Backlog

The screenshot displays the JIRA interface for a project named 'CAST'. The top navigation bar includes 'Dashboards', 'Projects', 'Issues', and 'Agile'. The main content area is divided into three sections:

- Left Sidebar (Navigation):** Contains 'EPICS', 'All Issues', 'Test parameter configuration', 'Get Test Results', and 'Issues without epics'. A vertical label 'Backlog' is positioned on the far left.
- Center (Sprint Backlog):** A red-bordered box highlights the 'Sprint 5' view, showing a list of issues for the period 11/Nov/13 11:29 AM to 25/Nov/13 11:30 AM. Issues include 'COM-65 As a User I want to get Submission Timeliness test results', 'COM-63 As a User I want to get Short-Term Flow Forecast test results', 'COM-136 Create Capacity Outlook Submission Summary', 'COM-130 Create Medium-term Capacity Summary', 'COM-61 As a User I want to get Medium-Term Forecast Receipt and Delivery test results', 'COM-142 Migrate Oracle to Derby', 'COM-149 Test Environment Setup', 'COM-125 Remove "Check" from the check name summary', and 'COM-126 Default the "To" and "From" dates on the download page to the previous month'. A red arrow points from the 'Sprint Backlog' label to this section.
- Bottom (Product Backlog):** A red-bordered box highlights the 'Backlog' view, showing a list of issues including 'COM-56 As a User I want to get Input v Output test results', 'COM-128 CSV file from Submissions Timeliness Check contains times in UTC locale', 'COM-122 Active state of a Check cannot be reactivated after deactivating', 'COM-121 Clicking on the Check in the config page does not pop up with a edit box', 'COM-115 Add Submission Count to Submission Timeliness Check Data', 'COM-35 As a Developer I want to summarise / aggregate data in the GBB database to the summary tab', 'COM-17 Create Do-Nothing Web Servers', 'COM-59 As a User I want to get Seven-Day Trend test results', 'COM-60 As a User I want to get Short-Term Forecast Accuracy test results', 'COM-62 As a User I want to get Maximum Capacity test results', and 'COM-46 As a Support User I want read only access to the system'. A red arrow points from the 'Product Backlog' label to this section.
- Right Panel (Plan Mode):** A sidebar titled 'Plan Mode' with a close button. It contains sections: 'Manage your backlog' (Create and prioritise stories, Estimate in story points or time), 'Plan your product development with epics and versions' (Use epics to track related stories, Assign stories to versions, Quickly drag-and-drop stories, Filter by epics and versions), and 'Create and launch development sprints' (Plan multiple sprints in advance, Start a sprint, then go to Work mode to move stories through workflow). A link 'Learn more about Plan mode and Work mode' is at the bottom.

Sprints / Iterations

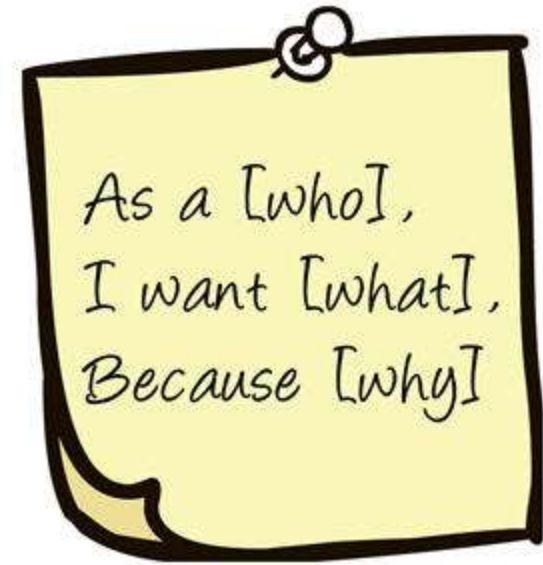
- ▶ They last a short time
 - ▶ They are planned just before they start, with the user/customer/product owner
 - ▶ At the end everything that is finished is shown to the user/customer/product owner
 - ▶ What is Velocity?
- 

Stories


Each story is a “post-it” note with this written on it :

- ▶ As aperson/process
- ▶ I want todo something
- ▶ So that I can Achieve something

- ▶ Types are “Technical” or “User”



..what happens next to Stories?

- ▶ Stories are then Prioritised
 - ▶ Stories are estimated for the Workload
 - ▶ Themes might emerge from the stories
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What do we do with Stories

- ▶ Stories become tasks
- ▶ Some stories become broken down into lots of stories. These are known as Epics.


Stand-ups / Scrums

- ▶ What I did since the last stand-up
- ▶ What I intend to do before the next stand-up
- ▶ Any Blockers that I am having

Nothing else!!
IMPORTANT

- ▶ Notice the Kanban board
In this picture



- ▶ Each Stand-up is facilitated by a leader, or “Scrum Master”
 - ▶ Team members immediately offer solutions to “Blockers” during the meeting
 - ▶ Items of discussion are taken “off-line” for follow-up directly after the meeting.
 - ▶ No minutes are taken...usually.
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The Kanban board

- ▶ An example of a Kanban Board


The screenshot displays a JIRA Kanban board for a project named 'CAST'. The board is organized into five vertical lanes representing workflow stages: 'To Do', 'Development', 'Testing', 'On Hold', and 'Done'. At the top, there are navigation tabs for 'Plan', 'Work', 'Report', and 'Board'. Below these, the current sprint is identified as 'Sprint 5', and quick filters for 'Remove Closed', 'Only My Issues', and 'Recently Updated' are visible.

Issues are represented as cards with the following details:

- COM-136:** Create Capacity Outlook. Submitted. 0 issues in this lane.
- COM-137:** Create Query and database table. 1d 4h in Development.
- COM-138:** Create scheduled job. 3h in Development.
- COM-141:** Service API. 1d 5h in Development.
- COM-63:** As a User I want to get Short-Term Flow Forecast test results. 1d in Testing.
- COM-111:** Develop Check. 1d in Testing.
- COM-65:** As a User I want to get Submitted. 2h in Done.
- COM-118:** User Accepted. 2h in Done.
- COM-62:** As a User I want to get Short-Ter... (partially visible) in Done.
- COM-151:** User Accepted. (partially visible) in Done.
- COM-136:** Create Capacity Outlook. Submitted. (partially visible) in Done.
- COM-140:** User Accepted. (partially visible) in Done.

Red arrows indicate the workflow progression: COM-137, COM-138, and COM-141 move from 'To Do' to 'Development'; COM-63 and COM-111 move from 'Development' to 'Testing'; COM-65, COM-118, and COM-62 move from 'Development' to 'Done'; and COM-151 moves from 'Development' to 'Done'.

The Showcase

- ▶ To demonstrate what was done–done
 - ▶ To demonstrate what value was delivered
 - ▶ To be truthful
 - ▶ To get feedback
 - ▶ Will be a pre–cursor to the planning for the next sprint
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Done-done

- ▶ Only showcase what is truly done.
- ▶ The impact at go-live.




Documentation


- ▶ As little documentation as is required....
- ▶and no less
- ▶ that last add-on is the most IMPORTANT



So what's important

- ▶ Focus on delivering to the Customer
 - ▶ Delivering regularly and early
 - ▶ Producing the highest priority items first
 - ▶ Justifying our existence
- 

How do we do this?

- ▶ Communication within the team
 - ▶ Regular communication with the Product Owner
 - ▶ Positivity
 - ▶ Visibility – Early/regular demonstration of what has been done
 - ▶ Constant review of what is in the backlog
 - ▶ Look after the Customer. Make sure that they are happy
- 

Questions?

