Professional Scrum Developer

with Visual Studio 2012
Who am I?

Ryan Cromwell

- Coder
- Agile Coach
- Scrum.org Trainer
- Microsoft ALM MVP
Session Forecast

• Agile & Scrum Foundations

• Visual Studio Scrum 2.0

• Product Backlog Grooming

• The Sprint

• Improving
Manifesto for Agile Software Development

AGILE
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.
Agile Frameworks & Methodologies

- Scrum
- Extreme Programming (XP)
- Lean
- Kanban Method
- Feature Driven Development (FDD)
- Dynamic Systems Development Method (DSDM)
- more…
Framework for solving complex problems

SCRUM
Scrum or Scrum variants continue to make up more than two-thirds of the methodologies being used, while Kanban has entered the scene this year as a meager player. The only category that saw growth this year was Custom Hybrids (9% up from 5%).
Scrum History

- Scrum, 1995
- Extreme Programming, 1996
- Agile Manifesto, 2001
- Certified Scrum Master, 2002
- Scrum.org, 2009
- New New Product Development Game, 1986
1. A Team forecasts delivering working software in 30 days or less

2. A time is scheduled to show that software

3. The Team creates the software

4. The Team offers their work for inspection and adapts the plan for the next cycle
Scrum Events

Sprint

- Sprint Planning
- Daily Scrum
- Sprint Review
- Sprint Retrospective
Scrum Artifacts

- Product Backlog
- Sprint Backlog
- Increment
Gauge Your Knowledge

- Open Assessment – Free, 30 questions
- PSD Open – Developers, Free, 30 questions
- Official Scrum Guide – quick read, 17 pages
- Courses, Webcasts, Community

http://scrum.org
VISUAL STUDIO SCRUM 2.0
What a long way we’ve come

- 2010 · Gallery Extension
- 2012 · Default Template
<table>
<thead>
<tr>
<th>Scrum Concept</th>
<th>Visual Studio Scrum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scrum Team</td>
<td>Team</td>
</tr>
<tr>
<td>Definition of Done</td>
<td>Wiki entry or document on the portal</td>
</tr>
<tr>
<td>Product</td>
<td>Team Project</td>
</tr>
<tr>
<td>Product Backlog</td>
<td>Product Backlog team query</td>
</tr>
<tr>
<td>Product Backlog Item</td>
<td>Product Backlog Item work item</td>
</tr>
<tr>
<td>Acceptance Criteria</td>
<td>Acceptance Criteria field and (optionally) associated Test Case work items</td>
</tr>
<tr>
<td>Release</td>
<td>Iteration Path (high level)</td>
</tr>
<tr>
<td>Release Goal</td>
<td>Wiki entry or document on the portal</td>
</tr>
<tr>
<td>Release Capacity</td>
<td>Wiki entry or document on the portal</td>
</tr>
<tr>
<td>Sprint</td>
<td>Iteration Path (low level)</td>
</tr>
<tr>
<td>Sprint Dates</td>
<td>Start Date and Finish Date fields</td>
</tr>
<tr>
<td>Sprint Goal</td>
<td>Wiki entry or document on the portal</td>
</tr>
<tr>
<td>Sprint Capacity</td>
<td>Wiki entry or document on the portal</td>
</tr>
<tr>
<td>Sprint Backlog</td>
<td>Sprint Backlog team query</td>
</tr>
<tr>
<td>Task</td>
<td>Task work item</td>
</tr>
<tr>
<td>Burndown and Velocity</td>
<td>Release Burndown, Sprint Burndown, and Velocity reports</td>
</tr>
<tr>
<td>Impediment</td>
<td>Impediment work item</td>
</tr>
<tr>
<td>Bug</td>
<td>Bug work item</td>
</tr>
<tr>
<td>Retrospective</td>
<td>Retrospective field in the Sprint work item</td>
</tr>
</tbody>
</table>
## Sample Product Backlog

<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
<th>Description</th>
<th>Area</th>
<th>Value</th>
<th>Effort</th>
<th>Priority</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Facebook Login</td>
<td>Allow users to login</td>
<td>Admin</td>
<td>45</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>Wish List</td>
<td>Add products to a</td>
<td>Catalog</td>
<td>55</td>
<td>13</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>‘Like’ Products</td>
<td>‘Like’ products I’ve</td>
<td>Marketing</td>
<td>20</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>Estimated Shipping</td>
<td>Show estimated</td>
<td>Cart</td>
<td>80</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>Product Suggestions</td>
<td>Recommend new</td>
<td>Catalog</td>
<td>30</td>
<td>3</td>
<td>1</td>
</tr>
</tbody>
</table>

- **Product Owner lives and breaths this**: Development Team provides estimates.
- **Product Owner determines this**: Anyone can add these.
Your TFS Backlog

- Product Backlog
  - Quick Add
  - Grooming
  - Kanban

- Sprint View
  - Capacity

- Customizable
- Drag and Drop
Product Backlog Grooming

- Scrum Team
- Review, discuss, estimate PBIs
- 10% of the Sprint
Professional Scrum Developer – Day 2

with Visual Studio 2012
Recap of Day 1

- Scrum & Agile
- Product Backlog Grooming
- Sprint Planning
Sprint Planning Activities

- Configure Release and Sprint Iterations with dates
- Drag PBIs to Sprint
- Drag PBIs to Committed
In Sprint Taskboard

- Drag and Drop
- Daily Scrum
- Update remaining work
- Take ownership
Self Organizing Teams

- Team Dimension
- Areas, Iterations
- Backlog, Board, Estimates
Big Visible Charts

- Customizable per Team
- Builds
- Queries
- Source Changes
- Capacity
- Burndown
My Work

- Active Work
- Code Reviews
- Feedback Requests
- Suspend & Resume (Shelvesets made useful)
Sprint Review

- Demo
- Feedback
- Collaborate
Getting Empirical

- Review Process
- Expand “Definition of Done”
- Experiments
- Measure
  (WI, Builds, Source, Deployments, Energy, etc)
How we can help

Consulting
- On-premise 2012 Deployment
- Blend Cloud / On-premise TFS
- ALM Guidance

Training

Professional Scrum Developer

Professional Scrum Developer
QUESTIONS?