Agile Development Practices Explained
Hello!

I am Scott Densmore

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Culture is a critical performance factor and this book describes how to assess and improve the culture.
STAGE 1

- Members are hostile
- Life is hopeless and unfair
STAGE 2

- Members are passively antagonistic, sarcastic, and resistant to new initiatives
- The boss or system is holding them back
STAGE 3

• Marked by knowledge hoarders who want to outwork/outthink their competitors on an individual basis
• They are lone warriors who not only want to win, but need to be the best and brightest
• Self-Perception is that they are doing all the work
STAGE 4

• Members are excited to work together for the benefit of the entire company
• Shared Values
• Members hold each other accountable
STAGE 5

- Members have made substantial innovations
- Members seek to use their potential on a history making project
<table>
<thead>
<tr>
<th>Stage</th>
<th>Tribal Leadership</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2% or less</td>
</tr>
<tr>
<td>2</td>
<td>25%</td>
</tr>
<tr>
<td>3</td>
<td>48%</td>
</tr>
<tr>
<td>4</td>
<td>23%</td>
</tr>
<tr>
<td>5</td>
<td>2% or less</td>
</tr>
</tbody>
</table>
SHARED VALUES

YOU  TEAM  COMPANY
MICROSOFT VALUES

• Integrity and Honesty
• Big Challenges
• Accountability
• Passion
• Open and Respectful
• Strive for Excellence
MY VALUES

- Feedback
- Transparency
- Accountability
- Consistency
- Minimalism
Values = Why
Practices = How
Raising the Professional Bar
RUTHLESS PRIORITIZATION
(PLANNING)

• Prioritized Backlog
• Constant Grooming

Being able to solve problems is nowhere near as important as being able to pick the right problem to solve.
• Provides Cohesion
• Improves Usability
• Consistency
USER STORIES

- Short
- Clear Goal
- Clear Exit Criteria
• Humans are great at relative comparison
• Humans stink at absolute estimation
• Less temptation to do “1 point = x hours”
SPIKE

- Familiarize the team with new software
- Determine Work
- Time Boxed
- Clear Goal
• Treat like User Stories
• Now
• Next
• Never
SPRINTS

- Focused
- Sustainable
- Planned
- Measured
TEST FIRST PROGRAMMING

- Write a passing test
- Refactor
- Make the test pass
- Write a failing test

Green
(All Tests Passing)

Red
(Some Tests Failing)
[Fact]
public void Adding21And21Equals42()
{
    Calculator calculator = Calculator();

    int answer = calculator.Add(21, 21);

    Assert.Equal(42, answer);
}

[Fact]
public int Add(int lhs, int rhs)
{
    return 42;
}
PROGRESSIVE DISCLOSURE

simple  complex
80% of value comes from 20% of the features
A lot of time progressive disclosure comes down to the 80/20 rule
A lot of time progressive disclosure comes down to the 80/20 rule
Focus around the work
Help members finish tasks
Hold each other accountable
[Bug] - RHEL7 - zip application needs to be installed on the template and replicated to all nodes

[status.io] Update status.io automated job after status.io makes their API changes

[VM Import] Ensure there are no locally referenced resources (sound card, CD-ROM, etc.)

[VM Import] Sysprep

[VM Import] Change Password Common Code

[QA Eng] Selenium - Network

[QA ET] Test disabling a VCenter to simulate the new BOM's management "cluster"

[QA ET] Setup flow end-to-end for managed backup

[QA ET] The FTP server handling what we throw at it for VM Import

[Octopus] Upgrade Octopus tentacles in PROD

[Octopus] Enable parallel deployments

[VM Import] Windows: Ensure PSEXEC is not firewallled

Add a card...

[SiteToSiteVPN] The platform checks that a site to site VPN endpoint is NOT in use before allowing a new configuration to use it
• Data focused
• Keep the team accountable
• Keep the team informed
Burndown Chart

January 6 - February 3, 2015

Current as of 8:00 AM, January 22, 2015
CONTINUOUS INTEGRATION / DELIVERY

- Fast builds
- Easy Check-ins
- Real-time Code Reviews
- Easy Deployments
- Easy Rollback
Self Reflect
Change things that are not working
Keep things that are working
questions