Creating Requirements in an Agile Environment
Things to Know...

- All participants will be on mute.
- Questions are welcome.
- Use the question box to ask questions.
- PM training is valid for 1 PDU
- Must be in attendance
- PDU certificate sent by the end of the week

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New Format

- 2nd Wednesday of the Month
  - Review new skill or concept

- 4th Wednesday of the Month
  - Review real submission from the audience
  - More Q&A time
  - More Panel Discussions
Agile Manifesto

- Individuals and interactions over processes and tools
- Working software over comprehensive documentation
- Customer collaboration over contract negotiation
- Responding to change over following a plan
Where Did Agile Come From?

1957 - Incremental software development methods are starting to be used.


1990’s – Heavyweight Vs. Lightweight development methods.

2001 – The Agile Manifesto was published.
Why Agile Came into Being

- Months to write requirements
- Hours getting review and approval
- Design phase
- Build phase
- Testing phase
- The Customer – “This isn’t what I wanted”
Benefits of Iterations

- Release Planning
- Release Retrospective
- Iteration Execution
- Update the Release Plan
- Release Plan: Iteration length, Velocity, User Stories
What Agile is NOT!

- Eliminates documentation
- Always efficient code
- Reduced project schedules
# New vs Old

<table>
<thead>
<tr>
<th>Agile</th>
<th>Waterfall</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value Driven</td>
<td>Plan Driven</td>
</tr>
<tr>
<td>Resources and time are fixed</td>
<td>Requirements are fixed</td>
</tr>
<tr>
<td>Features are estimated.</td>
<td>Resources and time are estimated</td>
</tr>
<tr>
<td>Release and iteration planning</td>
<td>Project plan created</td>
</tr>
<tr>
<td>Facilitate</td>
<td>Direct</td>
</tr>
<tr>
<td>Serve</td>
<td>Manage</td>
</tr>
<tr>
<td>Constant Feedback</td>
<td>Integrated Change Control</td>
</tr>
</tbody>
</table>
• Vision of the Product
• Road map with Release time frames.
• Product Backlog (Prioritized and Estimated).
A condition or capability that is required to be present in a product, service, or result to satisfy a contract or other formally imposed specification.

- PMI’s BA for Practitioners; A Practice Guide, Version 1
# Best Practices in Requirements

## Overall Project Estimation

<table>
<thead>
<tr>
<th>Task</th>
<th>Estimate</th>
<th>Work Estimate</th>
<th>% Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>24</td>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

## Current Sprint

**Work Estimate for Sprint:** 24

**Total Work Remaining:** 30

**Estimated Value:** $750

### Current Sprint In Progress Details

<table>
<thead>
<tr>
<th>Task</th>
<th>Description</th>
<th>Remaining</th>
<th>Work Remaining</th>
<th>Hours Remaining</th>
</tr>
</thead>
</table>
| Task 1 | 1. Develop a template for each artist. Each artist should have their own page on the website. 
2. Post the artist's bio and picture from each artist. | 25 | 25 | 12 |

## Detailed Requirements

<table>
<thead>
<tr>
<th>Epic</th>
<th>Sprint</th>
<th>User Story Type</th>
<th>User Story Title</th>
<th>User Story Details</th>
<th>Acceptance Test Criteria</th>
<th>Tasks</th>
<th>Acceptance Test Criteria</th>
<th>Test</th>
<th>User Story Details</th>
</tr>
</thead>
</table>
| New Art Gallery website | 1 | Gallery Owner | Create web page for each artist | There are 10 artists currently working at the gallery. Each artist should be provided a page to showcase their art. | 1. 30 web pages must be on the website. 
2. Each artist must be listed on the page with their bio. 
3. At least one piece of art should be described and a picture included on each page. | Create web page for each artist. | | | |
| New Art Gallery website | 2 | Gallery Owner | Create main Gallery webpage | New gallery needs to build a community between the artists, the gallery & the customers. | 1. The main page of the website should describe the gallery and its mission. 
2. The main page of the website should have a link to each of the artist pages that are currently exhibiting at the gallery. | | | | |
| New Art Gallery website | 2 | Gallery Owner | Artist & Customer communication | Customers should be able to chat directly with artists to learn more about any art pieces they may be interested in. | 1. Customers should be able to send a message to the artist. There is no requirement that the artist respond immediately. 
2. Customers must have a way to respond to the customer. 
3. The interaction between artist and customer can be public or private. | | | | |
# The User Story

<table>
<thead>
<tr>
<th>User Story Name</th>
<th>Story Details</th>
<th>Acceptance Test Criteria</th>
<th>Tasks</th>
</tr>
</thead>
</table>
| Create web page for each artist | There are 20 artists currently exhibiting at the gallery. Each artist should be provided 1 page to showcase their art | 1. 20 web pages must be on the website  
2. Each artist must be listed on the page with their bio  
3. At least one piece of art should be described and a picture included on each page | 1. Develop a template for each artist to fill out for each piece of art that is to be displayed on the website.  
2. Request bio and picture from each artist  
3. Request artist to fill out template of each art piece to be presented on webpage along with at least 1 picture of art piece  
3. Update each artists web page with Name, Bio & art pieces requested with pictures. |
Requirements of Requirements

- Define the Problem
- Identify the outcome if the problem is fixed
- Document an approach to fixing the problem that people can follow
- Define how to test and confirm the problem is fixed
Review

• The Manifesto
• Where Agile Came From
• The Benefits of Agile
• What Agile is NOT
• Best Practices in Writing Stories
At Work Humor...

Every time our users press the Backspace Key, the system crashes.

We can fix that!

Hey! What happened to our Backspace key?

Good analysts convince the stakeholders the business requirements are good enough.

Great analysts convince the stakeholders that requirements are a waste of time.

Lazy business analysts ‘at work’...
It’s YOUR turn!

Download our Project Backlog Template & Submit to Agile@cpconcepts.net

Register for Part II: Creating Requirements in Agile Environment April 22nd at 8am PT
Teach & Earn More PDUs

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- You will automatically receive your PDUs certificate via email after the webinar
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