

Agile_Session1_Martin_Parr_TR

Agile-1
Training Clarusway
Pear Deck - June 3, 2022 at 8:04PM

Part 1 - Summary

Use this space to summarize your thoughts on the lesson

Part 2 - Responses

Slide 1



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Use this space to take notes:

Slide 2	Your Response
<p>Did you finish Agile (What is Agile? & Scrum Overview) pre-class activity?</p>  <p><small>Pear Deck Interactive Slide Do not remove this bar</small></p>	<p>You Chose</p> <ul style="list-style-type: none"> • I finished completely. <p>Other Choices</p> <ul style="list-style-type: none"> • I finished partially. • No, I didn't finish.

Use this space to take notes:

Slide 3	Your Response
<p>Would you prefer to work on a project for a few weeks or to combine several projects together?</p>  <p><small>Pear Deck Interactive Slide Do not remove this bar</small></p>	<p>Answer 1: Combine several projects together</p>

Use this space to take notes:

Slide 4

Table of Contents ➤

- ▶ Modernizing Project Management
- ▶ Agile Manifesto
- ▶ Agile Principles
- ▶ Overview of Agile Approach
- ▶ Scrum Overview
- ▶ Scrum Roles

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Slide 5

1 Modernizing Project Management



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Use this space to take notes:

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Your Response

Slide 6

Your Response

Have you heard the Agile approach before?
What is your history about Agile?



Students choose an option

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Slide 7

► Modernizing Project Management ►



A project is a planned program of work that requires a definitive amount of time, effort, and planning to complete.



Goals & Objectives



Fixed period of time



Certain budget

Agile approaches are a response to the need to modernize PM.

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Slide 8

► The Origins of Modern PM



On waterfall projects, you move to the next phase only when the prior one is complete — hence, the name waterfall.

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Slide 9

Your Response

We can say that the Waterfall model is a traditional one.

Students choose an option

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You Chose

- **True**

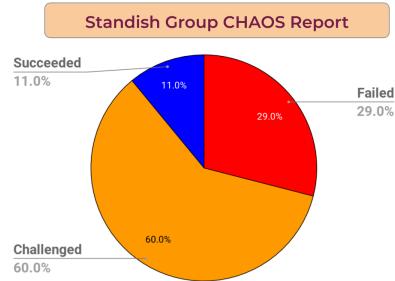
Other Choices

- False

Use this space to take notes:

Slide 10

► Software Project Success and Failure ➤



Use this space to take notes:

Slide 11

► Software Project Success and Failure ➤

CHAOS RESOLUTION BY AGILE VERSUS WATERFALL				
SIZE	METHOD	SUCCESSFUL	CHALLENGED	FAILED
All Size Projects	Agile	39%	52%	9%
	Waterfall	11%	60%	29%
Large Size Projects	Agile	18%	59%	23%
	Waterfall	3%	55%	42%
Medium Size Projects	Agile	27%	62%	11%
	Waterfall	7%	68%	25%
Small Size Projects	Agile	58%	38%	4%
	Waterfall	44%	45%	11%

The resolution of all software projects from FY2011–2012 within the new CHAOS database, segmented by the agile process and waterfall method. The total number of software projects is over 10,000.

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► The Agile Manifesto

A group of 17 people thought:

"We're all doing these different approaches to developing software. We ought to get together and see where there are commonalities in what we're thinking about."

The result was a meeting at a ski resort in Snowbird, Utah in 2001.



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Slide 14

► The Agile Manifesto

In this video, Ken Schwaber, co-creator of Scrum and original member of the group signing the Agile Manifesto in an interview with the Boston Business Journal discusses how it came about.



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Link(s) on this slide:

- <http://www.youtube.com/watch?v=mfQljf2TPdk>

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Slide 15

► The Agile Manifesto

Manifesto for Agile Software Development



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Use this space to take notes:

Slide 16

URL

► The Group's Works



<https://www.agilealliance.org/>



Agile Manifesto



Agile Principles



Agile Alliance



Students browse: www.agilealliance.org/

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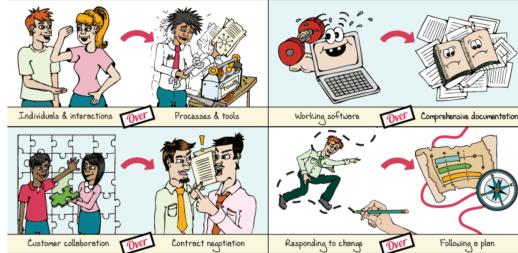
Link(s) on this slide:

- <https://www.agilealliance.org/>

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Slide 17

► The Four Values of the Manifesto ➤



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



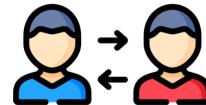
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Slide 18

► Outlining the Four Values ➤



Individuals and Interactions
over
Processes and Tools



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Use this space to take notes:

Slide 19

► Outlining the Four Values ➤



Working Software
over
Comprehensive Documentation



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Use this space to take notes:

Slide 20

Your Response

You Chose
• **False**

Slide 20

Your Response

Agile approaches can only be applied in software development, you can not use them for other types of products.

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Students choose an option

Use this space to take notes:

Other Choices

- True
- No idea

Slide 21

► Outlining the Four Values



Customer collaboration
over
Contract Negotiation



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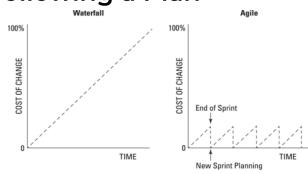
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Slide 22

► Outlining the Four Values



Responding to change
over
Following a Plan



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Use this space to take notes:

Slide 23

Your Response

Manifesto for Agile Software Development

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

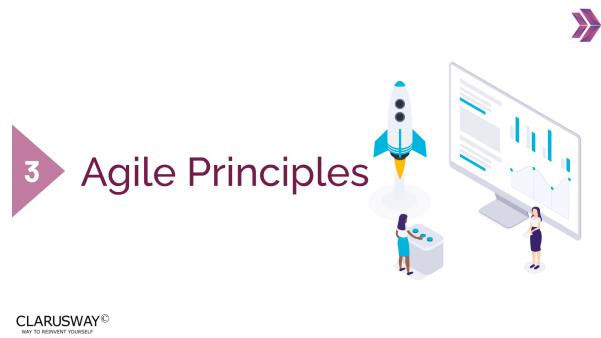


Students choose an option

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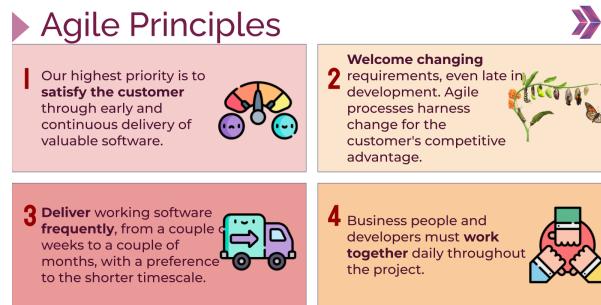
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► Agile Principles

5 Build projects around motivated individuals. Give them the environment and **support** they need, and **trust** them to get the job done.



6 The most efficient and effective method of conveying information to and within a development team is **face-to-face conversation**.



7 **Working software** is the primary measure of progress.



8 Agile processes promote **sustainable development**. The sponsors, developers, and users should be able to maintain a constant pace indefinitely.



Use this space to take notes:

Slide 27

► Agile Principles

9 Continuous attention to technical excellence and good design enhances agility.



10 Simplicity--the art of maximizing the amount of work not done--is essential.



11 The best architectures, requirements, and designs emerge from **self-organizing teams**.



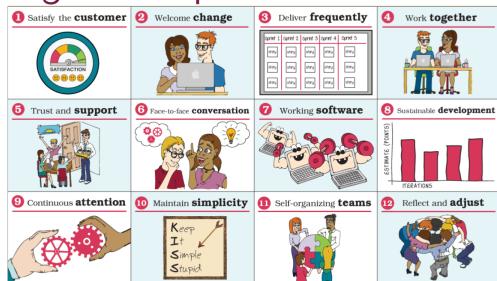
12 At regular intervals, the team **reflects** on how to become more effective, then tunes and **adjusts** its behavior accordingly.



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Slide 28

► 12 Agile Principles



Use this space to take notes:

Slide 29

Your Response

Which one is NOT an Agile Principle?

- A. Satisfy the boss
- B. Welcome change
- C. Maintain simplicity
- D. Work together



You Chose

- **Satisfy the boss**

Other Choices

- Welcome change
- Maintain simplicity
- Work together

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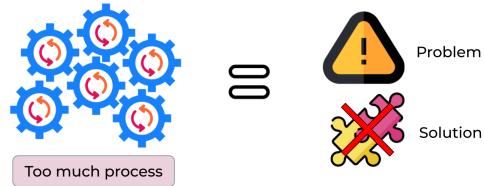


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Slide 31

► Changes as a Result of Agile Values ➤

Agile approaches changed attitudes toward project management processes.



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► Changes as a Result of Agile Values ➤

Agile approaches changed attitudes toward knowledge workers.



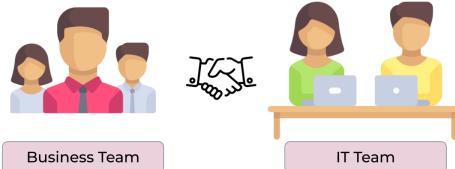
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► Changes as a Result of Agile Values ➤

Agile approaches changed the relationship between business and IT groups.



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Slide 34

► Changes as a Result of Agile Values ➤

Agile approaches corrected attitudes toward change.



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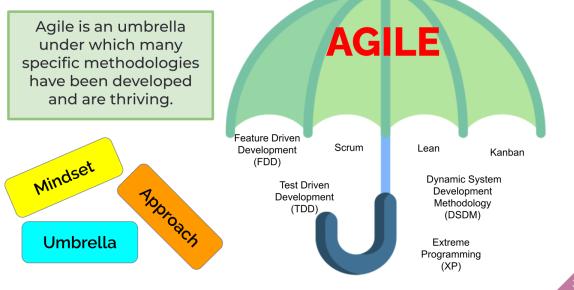


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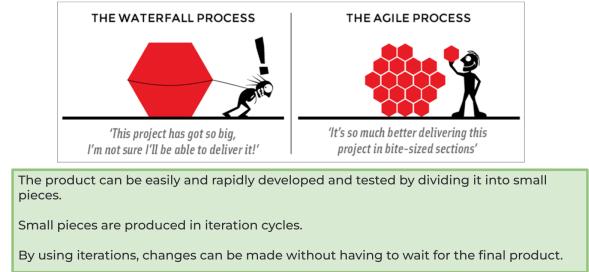
► Agile Methods



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Slide 37

► Let's Wrap it Up



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Slide 38

In one minute,
explain the most
important thing
about Agile.



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Slide 39



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- <https://create.kahoot.it/details/be66922c-54d6-438d-8196-e64920ce23ad>

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5 Scrum Overview



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▶ What is Scrum?

A framework within which people can address complex adaptive problems, while productively and creatively delivering products of the highest possible value.



Lightweight



Simple to understand



Difficult to master

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► What is Scrum?

Scrum emphasizes delivering business value frequently through short iterations known as sprints.



This gives visibility to the work that's being done and creates opportunities for feedback.

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► Origin of Scrum

Scrum is one of the leading agile techniques developed in the 1990s by Ken Schwaber and Jeff Sutherland.

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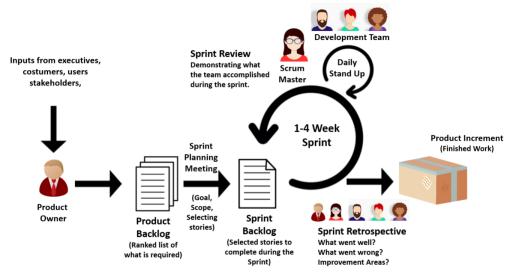


More than 50% of all projects use this methodology.

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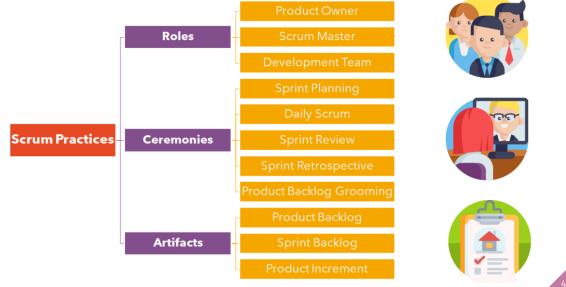
► Scrum Framework



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Slide 45

► Scrum Practices



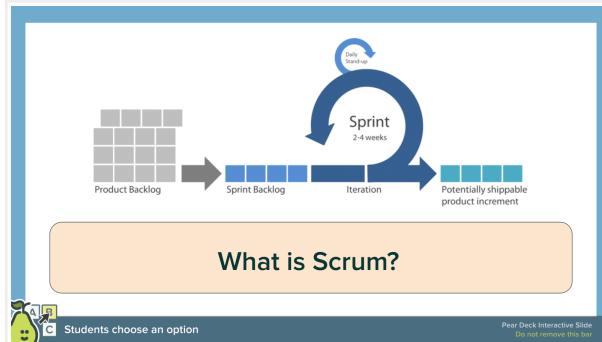
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Your Response

Slide 46

Your Response



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6 Scrum Roles



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your no-regrets mindset

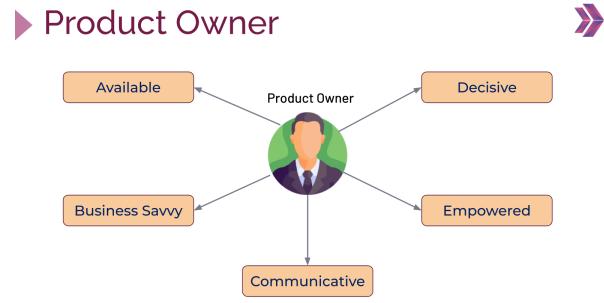
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Use this space to take notes:

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► Product Owner



- Clearly expressing Product Backlog items
- Ordering the items in the Product Backlog to best achieve goals and missions
- Optimizing the value of the work the Development Team performs
- Ensuring that the Product Backlog is visible, transparent, and clear to all, and shows what the Scrum Team will work on next
- Ensuring the Development Team understands items in the Product Backlog to the level needed

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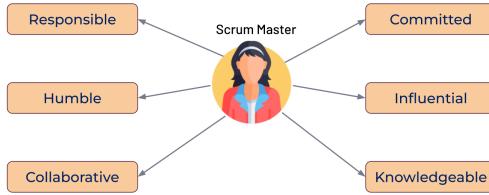
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► Scrum Master



The Scrum Master is responsible for promoting and supporting Scrum



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Use this space to take notes:

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► **Scrum Master**

Scrum Master Service to the Product Owner

- Ensuring that goals, scope, and product domain are understood
- Finding techniques for effective Product Backlog management
- Helping the Scrum Team understand the need for clear and concise Product Backlog items
- Understanding product planning in an empirical environment
- Ensuring the Product Owner knows how to arrange the Product Backlog to maximize value
- Understanding and practicing agility
- Facilitating Scrum events as requested or needed

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► **Scrum Master**

Scrum Master Service to the Development Team

- Coaching the Development Team in self-organization and cross-functionality
- Helping the Development Team to create high-value products
- Removing impediments to the Development Team's progress
- Facilitating Scrum events as requested or needed
- Coaching the Development Team in organizational environments in which Scrum is not yet fully adopted and understood

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Your Response

Slide 54

Your Response



Which one looks at the project from the customer's perspective?



Students choose an option

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Use this space to take notes:

Slide 55

Your Response



What is the role of the Scrum Master?



Students choose an option

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▶ Development Team



The Development Team consists of professionals who do the work of delivering a potentially releasable Increment of “Done” product at the end of each Sprint.



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Use this space to take notes:

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▶ Development Team



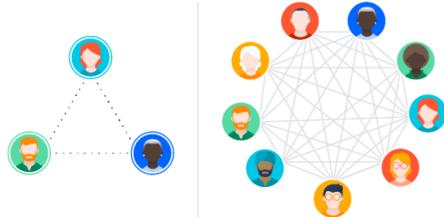
- They are self-organizing.
- Development Teams are cross-functional.
- Scrum recognizes no titles for Development Team members.
- Scrum recognizes no sub-teams in the Development Team.
- Accountability belongs to the Development Team as a whole

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▶ Team Size vs. Coordination

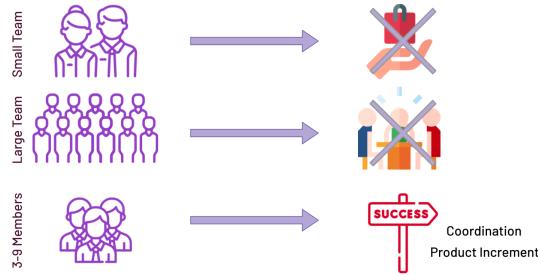


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▶ Development Team Size



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Slide 60

Your Response

Slide 60

Your Response



What do we mean by a cross-functional Development Team?

 Students choose an option

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Your Response



Pretend your friend was absent from class today...

Write what you would say if you had to explain the lesson to your friend.

 Students, write your response!

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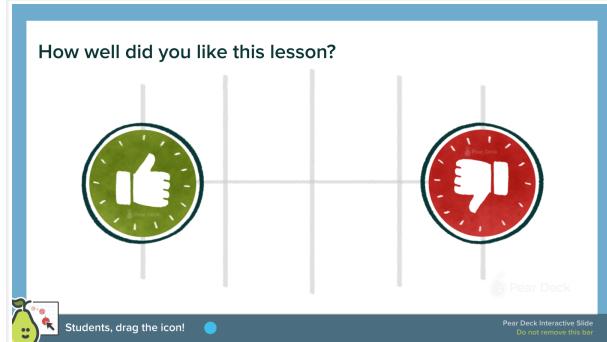
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Your Response

Slide 62

Your Response

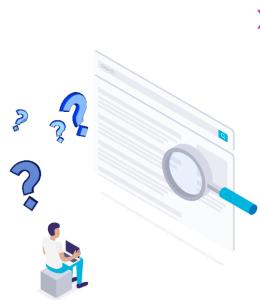


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THANKS!
Any questions?

You can find me at:
► @Martin - Instructor
► martin@clarusway.com



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