

# Agile\_Kanban

03122020 Kanban

Training Clarusway

Pear Deck - March 9, 2020 at 5:28AM

## Part 1 - Summary

Use this space to summarize your thoughts on the lesson

## Part 2 - Responses

Slide 1

 Kanban

CLARUSWAY®  
Your Development Journey



Use this space to take notes:

## Slide 2

### ► Table of Contents



- Review Previous Lesson
- Kanban Overview
- Kanban vs Scrum
- Principles of Kanban
- Practices of Kanban



Use this space to take notes:

## Slide 3

## Your Response

A quick review might be good about previous lesson



Students choose an option

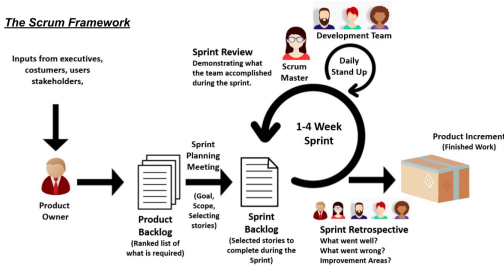
Pear Deck Interactive Slide  
Do not remove this bar

Use this space to take notes:

## Slide 4

## Scrum Review

### The Scrum Framework





Use this space to take notes:

### Slide 5

### Your Response

How was the homework assignment about Scrum Framework?

Students, drag the icon!

Peer Deck Interactive Slide  
Do not remove this bar.

Use this space to take notes:

### Slide 6

# ► Kanban

CLARUSWAY®  
WAY TO KNOWLEDGE



Use this space to take notes:

## Slide 7

### ► A Brief History on Kanban

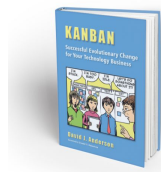


- Dates back to the 1940s
- Toyota updated its production method based on the model that supermarkets use to manage stocks on shelves
- To monitor capacity levels in real-time, the company started using a card called "kanban" between different production teams

Use this space to take notes:

## Slide 8

## ► Kanban in Software Development »



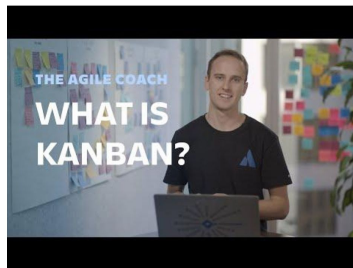
- In 2004, David J. Anderson introduced the idea of using the kanban concept for software development
- In 2010 he wrote a book named "Kanban: Successfully Evolutionary Change for your Technology Business "
- Kanban's use in software development begins after these attempts by David J. Anderson.



Use this space to take notes:

## Slide 9

## ► Kanban Overview »



Link(s) on this slide:

- <http://www.youtube.com/watch?v=iVaFVa7HYj4>

Use this space to take notes:

## Slide 10

## Your Response

## ► Comparing Kanban with Scrum »

What do you think?

Which one is a more flexible method?



Students choose an option

Peer Deck Interactive Slide

Use this space to take notes:

## Slide 11

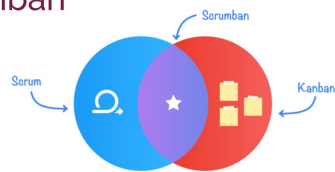
### ► Comparing Kanban with Scrum »

SCRUM	KANBAN
<ul style="list-style-type: none"><li>Work is done within time-boxed sprints, generally of 2-4 weeks. The goal is to produce a potentially shippable product after each sprint.</li><li>Product is released on a particular cadence, which is determined by the sprints' length. So a team may release after 3 sprints, or every 6 weeks.</li><li>There's a heavy focus on cross-functionality. Teams have no specified roles; everyone is a "marketer".</li><li>Sprint kickoffs, daily standups, sprint reviews, and sprint retrospectives are vital rituals within the Scrum process.</li></ul>	<ul style="list-style-type: none"><li>There are no fixed-length sprints. Instead teams pull tasks from a prioritized backlog of things that need to be done.</li><li>Releases occur continuously, or whenever there is a shippable product created.</li><li>Team members can specialize and pull tasks related to their area of expertise, but too much specialization will reduce a team's effectiveness.</li><li>There is an emphasis on continually improving processes, but no standardized regular meetings or rituals.</li></ul>

Use this space to take notes:

## Slide 12

## ► Scrumban

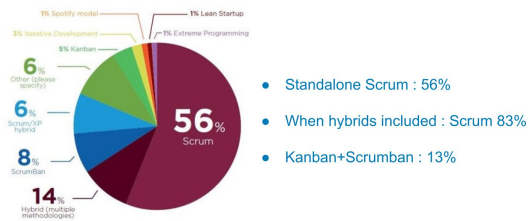


- Scrumban combines the structure of Scrum with the flow-based methods of Kanban
- It is a Scrum-like process which is being improved with Kanban

Use this space to take notes:

## Slide 13

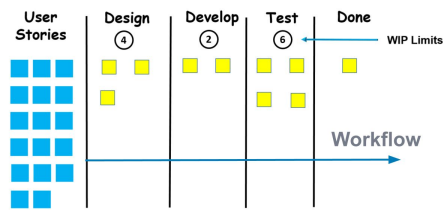
## ► Popular Agile Methods



Use this space to take notes:

## Slide 14

## ► Workflow and WIP Limits on Kanban Board ►►



- WIP Limits: The maximum number of cards that can be in a column at any given time

14

Use this space to take notes:

## Slide 15

### ► Lead Time ►►

Lead Time?



- Lead time is the period between creating a task in your workflow and its final departure from the kanban board.
- Kanban helps you monitor workflow, identify blockages, and make adjustments to improve the flow for reducing the lead time.

15

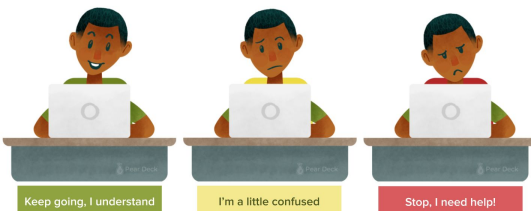
Use this space to take notes:

## Slide 16

## Your Response



Drag your dot to how you are feeling:



Keep going, I understand    I'm a little confused    Stop, I need help!

Students, drag the icon!

Pear Deck Interactive Slide  
Do not remove this text

Drag your dot to how you are feeling:



Keep going, I understand    I'm a little confused    Stop, I need help!

Students, drag the icon!

Pear Deck Interactive Slide  
Do not remove this text

Use this space to take notes:

## Slide 17

### ► Kanban Board



*The team had found another useful use for their Kanban Board.*

Use this space to take notes:

## Slide 18

## ► Principles of Kanban



Use this space to take notes:

## Slide 19

### ► Start With What You Are Doing Now



- **First Principle**

- Do not make instant changes to the existing setup or process
- Kanban must be directly applied to the existing workflow
- Necessary changes should be made slowly and gradually



Use this space to take notes:

## Slide 20

## ► Agree to Pursue Incremental



- **Second Principle**



- Make minor incremental changes rather than major changes
- Major changes lead to resistance within the team



Use this space to take notes:

## Slide 21

## ► Initially Respect Current Roles



- **Third Principle**



- You do not need to modify your existing roles and functions that perform well
- The team will coordinate and implement the necessary changes to the roles and titles



Use this space to take notes:

## Slide 22

## ► Encourage Leadership At All Levels



### • Fourth Principle

- Constant improvement at all levels of the organization is encouraged
- It is desirable that all team members produce ideas and show leadership

22

Use this space to take notes:

## Slide 23

## ► Kanban



*"Since it's Christmas, I turned our Kanban Board into a Christmas Tree. Let's see if the Agile teams can figure out which items to work on next."*

23

Use this space to take notes:

## Slide 24

## Your Response

I think Kanban is much better than Scrum

Students, drag the icon!

Peer Deck Interactive Slide  
Do not remove this text

I think Kanban is much better than Scrum

Students, drag the icon!

Peer Deck Interactive Slide  
Do not remove this text

Use this space to take notes:

## Slide 25

### ► Practices of Kanban



Use this space to take notes:

## Slide 26

## ► Visualizing the Workflow



### • First Practice

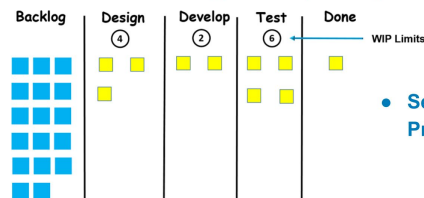
- Visualization is the first step to start with Kanban
- When you visualize the process, it can be seen what you and your team are currently doing

26

Use this space to take notes:

## Slide 27

## ► Limit Work in Progress (WIP)



### • Second Practice

- When you assign a limit to each column, your team doesn't work more than they can handle

27

Link(s) on this slide:

- <https://lms.clarusway.com/mod/lesson/view.php?id=429&pageid=432>

Use this space to take notes:

## Slide 28

## ► Managing Flow



- **Third Practice**



- As you manage the flow and improve it, your team's pace becomes more predictable
- This makes it easy for you to make commitments to your customers



Link(s) on this slide:

- <https://lms.clarusway.com/mod/lesson/view.php?id=429&pageid=437>

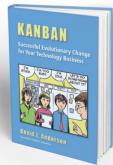
Use this space to take notes:

## Slide 29

## ► Making Process Policies Explicit



- **Fourth Practice**



- Being explicit allows the team to follow the process easily and make proposals for the improvements
- Team members who are not clear about the existing process can not improve the system



Link(s) on this slide:

- <https://lms.clarusway.com/mod/lesson/view.php?id=429&pageid=433>

Use this space to take notes:

## Slide 30

## ► Implementing Feedback Loops



- **Fifth Practice**

- You should know what your customers and the end-users think



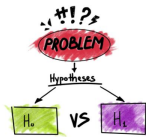
Link(s) on this slide:

- <https://lms.clarusway.com/mod/lesson/view.php?id=429&pageid=434>

Use this space to take notes:

## Slide 31

## ► Evolving Experimentally



- **Sixth Practice**

- Kanban encourages you to use scientific methods like you form a hypothesis and test it
- By using hypothesis testing, you can assess whether a change helps you improve or not
- Then you make a decision about whether to try some other solutions or to keep the current status



Link(s) on this slide:

- <https://lms.clarusway.com/mod/lesson/view.php?id=429&pageid=435>


Use this space to take notes:

## Slide 32

## Your Response




Circle how you are feeling:



Students, draw anywhere on this slide!

Peer Deck Interactive Slide  
Do not remove this bar

Circle how you are feeling:




Students, draw anywhere on this slide!

Peer Deck Interactive Slide  
Do not remove this bar

Use this space to take notes:

Slide 33



CLARUSWAY®  
WAY TO REINVENT YOURSELF


Link(s) on this slide:

- <https://create.kahoot.it/details/kanban/c44b4703-7d33-4f15-8cf1-71cf4d492b53>

Use this space to take notes:

## Slide 34

In one minute,  
write the most  
important thing from  
today's  
lesson.



Students, write your response!

Peer Deck Interactive Slide  
Do you remember all that?

Use this space to take notes:


## Your Response

### Answer 1:

Kanban is the new generation method after waterfall. You can visualize the whole process. and respect everyones idea and leadership. Open mind for applying new techniques

## Slide 35

**THANKS!**  
**Any questions?**  
You can find me at:  
[ksenia@clarusway.com](mailto:ksenia@clarusway.com)



CLARUSWAY®  
WAY TO KNOWLEDGE™

Use this space to take notes:

