# Learning Objective

Leapers will learn an agile mindset.

# Overview

This module explains the agile principles, the mindset needed to effectively use agile toolsets like Azure DevOps. The module indirectly discusses the *Agile Manifesto.*

There are 10 chapters. At the end of the chapter, do the quiz and discuss the question. If you are doing this activity alone, write a response to each question.

There are several concepts that Doug introduces what will be part of Agile type Azure DevOps project, **including Kanban Board and writing effective user stories**.

# Time: Over 2 Hours

Media 1h 35m. 30m minutes to do quizzes and discussion questions.

# Agile Foundations Course

LinkedIn Learning: [Agile Foundations](https://www.linkedin.com/learning/agile-foundations/understanding-agile?u=3322)

## Introduction (1 minute)

## Modern Software Development (12 minutes)

Do the chapter quiz.

Discuss the question (4 minutes):

*Doug emphasizes, “You're not just focusing on a different way to work. Instead, you're focusing on a different way to think about working…You don't want your team to be focused on Agile practices. Instead, you want to be focused on thinking like an Agile team.” What is the difference between having agile mindset and doing agile practices?*

When focusing on practices, it can be easy to forget about the big picture. It’s better to be mindful of the big picture and what you’re trying to achieve, rather than get stuck on perfectly implementing an individual practice.

## Have an agile mindset (7 minutes)

Do the chapter quiz.

Discuss the question (4 minutes):

*Doug introduced twelve agile principles. Which principles have you seen be the most important at previous companies or projects you have worked on? The Twelve Agile Principles (Feb, 2001)*

1. *Customer satisfaction by early and continuous delivery of valuable software.*
2. *Welcome changing requirements, even in late development.*
3. *Deliver working software frequently (weeks rather than months)*
4. *Close, daily cooperation between business people and developers*
5. *Projects are built around motivated individuals, who should be trusted*
6. *Face-to-face conversation is the best form of communication (co-location)*
7. *Working software is the primary measure of progress*
8. *Sustainable development, able to maintain a constant pace*
9. *Continuous attention to technical excellence and good design*
10. *Simplicity—the art of maximizing the amount of work not done—is essential*
11. Best architectures, requirements, and designs emerge from self-organizing teams
12. Regularly, the team reflects on how to become more effective, and adjusts accordingly

I would say principles 1 and 12.

## Individuals and Interactions (20 Minutes)

Do the chapter quiz.

Discuss the question (4 minutes):

*Leapers will frequently be writing user stories. How do you write an effective user story? What are not best practices for writing user stories?*

This must demonstrate a clear value to the user, and be very specific.

## Deliver Working Software (9 minutes)

Do the chapter quiz.

Discuss the question (4 minutes):

*What is the Pareto Rule? (Hint: it is the 20% vs 80% rule).*

*How do you prioritize tasks according to agile principles? (Prioritization is especially important when creating a minimum viable product (MVP). An MVP is a version of a product with just enough features to satisfy early customers or provide feedback for future product development).*

By effectively using a task board to pair user stories with To-Dos, thereby enabling short-term planning to deliver working products in each Sprint.

## Respond to Change (19 Minutes)

Do the chapter quiz.

Discuss the question (4 minutes):

*Why do most agile teams use sprints? What are challenges in sprint planning?*

They are a great way to incrementally and iteratively deliver a working product in a short period of time.

## Popular Agile Frameworks (10 minutes)

Due chapter quiz.

Discuss the question (4 minutes):

What are the common categories on a Kanban Board and how are user stories organized on the board? How is a Kanban board different compared to project tracking software you have used before?

User Stories, To Do, Doing, Done, from highest impact/priority to lowest.

## Improve Customer Collaboration (15 minutes)

Do the chapter quiz.

Discuss the questions (4 minutes):

*According to Doug, what is the role of the scrum master and what is not their role?*

They are a coach, trainer, administrator, and conflict negotiator. They are not a manager.

*What are the dangers of ‘group think’?*

People won’t think critically about why they feel a certain way, and the individual and team won’t grow and learn as much as they could.

*What is planning poker and the concept behind it.*

Start a conversation without having people influence each other’s thoughts.

## Start an Agile Transformation (16 minutes)

## Conclusion (1 minute)

Discuss the question (4 minutes):

*What is Doug’s argument that feeling a ‘little anxious’ or ‘uncertain’ is good when implementing or changing agile practices?*

*If you have time, what was your biggest takeaway from these videos*

# Resources

LinkedIn Learning: [Agile Foundations](https://www.linkedin.com/learning/agile-foundations/understanding-agile?u=3322)

Wikipedia on 2020 has an excellent overview of [Agile Software Development](https://en.wikipedia.org/wiki/Agile_software_development)

## Additional Resources by Doug

These additional resources may be helpful, especially to project managers, once they know roles you may be taking on the team.

[Artificial Intelligence Foundations: Machine Learning](https://www.linkedin.com/learning/artificial-intelligence-foundations-machine-learning?u=3322)

[Agile at Work: Planning with Agile User Stories](https://www.linkedin.com/learning/agile-at-work-planning-with-agile-user-stories?u=3322)

[Agile at Work: Reporting with Agile Charts and Boards](https://www.linkedin.com/learning/agile-at-work-reporting-with-agile-charts-and-boards?u=3322)

[Agile at Work: Building Your Agile Team](https://www.linkedin.com/learning/agile-at-work-building-your-agile-team?u=3322)

[Agile Project Management: Comparing Agile Tools](https://www.linkedin.com/learning/agile-project-management-comparing-agile-tools?u=3322)

[Agile at Work: Driving Productive Agile Meetings](https://www.linkedin.com/learning/agile-at-work-driving-productive-agile-meetings?u=3322)

[Agile at Work: Getting Better with Agile Retrospectives](https://www.linkedin.com/learning/agile-at-work-getting-better-with-agile-retrospectives?u=3322)