

Welcome to this session: Agile Development and Scrum

The session will start shortly...

Questions? Drop them in the chat.
We'll have dedicated moderators
answering questions.





What is Safeguarding?

Safeguarding refers to actions and measures aimed at protecting the human rights of adults, particularly vulnerable individuals, from abuse, neglect, and harm.



To report a safeguarding concern reach out to us via email:
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Live Lecture Housekeeping:

- The use of disrespectful language is prohibited in the questions, this is a supportive, learning environment for all - please engage accordingly.
- No question is daft or silly - ask them!
- For all non-academic questions, please submit a query:
www.hyperiondev.com/support
- To report a safeguarding concern reach out to us via email:
safeguarding@hyperiondev.com
- If you are hearing impaired, please kindly use your computer's function through Google chrome to enable captions.



Lecture Overview

- Agile
- Scrum



Learning Outcomes

- ❖ Define the core principles of Agile development and its benefits in software projects.
- ❖ Define key Scrum concepts, including sprints, product backlog, sprint backlog, and increments.
- ❖ Identify and Explain key roles in Scrum.

Agile Development and Scrum

What are the advantages of breaking a large task into smaller, more manageable pieces?



Agile

- Agile development methodology is a project management approach that involves break a project down into phases.
- It emphasises continuous collaboration and improvement.



Agile Manifesto

Through this work we have come to value:

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

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

Agile Principles

12 agile principles in software development



Customer
satisfactions



Changing
requirements



Frequent
delivery



Communicate
regularly



Support
team member



Face-to-face
communication



Measure
work progress



Development
process



Good
design



Measure
progress



Continue
seeking result



Reflect and
adjust regularly

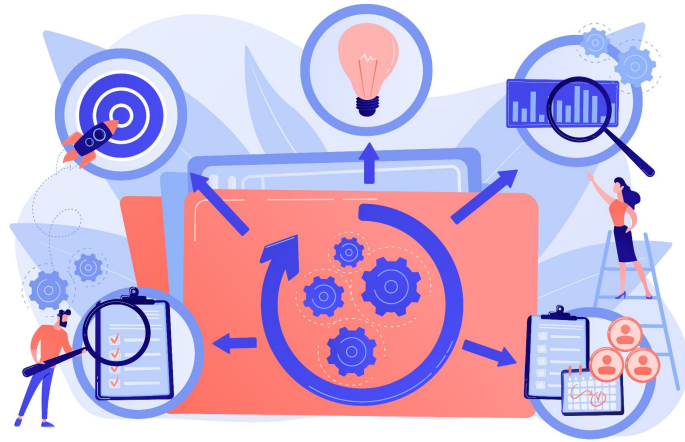


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<https://www.designveloper.com/guide/12-agile-principles/>

Agile Frameworks

- Kanban
- XP (Extreme Programming)
- Scrum





Let's take a break

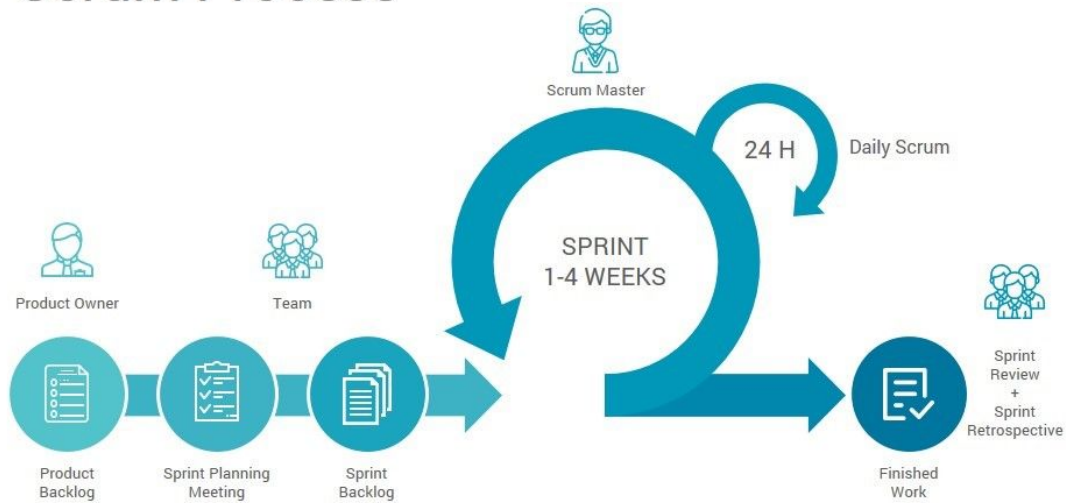
Scrum

- An agile software development framework.
- Teams break their work into goals that need to be completed within a set time frame called a sprint.



Scrum

Scrum Process



Scrum

During the daily stand-up, a team member mentions they're stuck on integrating a third-party payment gateway. You listen carefully, offer suggestions, and follow up after the meeting to remove roadblocks. You also make sure the team has everything they need to stay on track with the sprint goals.

Scrum

You lead the effort to break down the product vision into smaller, actionable tasks. You organize a backlog grooming session to estimate the effort needed for each item and ensure they are ready for the next sprint. You also collaborate with stakeholders to clarify requirements.

Scrum

The team struggles with estimating user stories. You introduce them to techniques like planning poker and help them practice in a collaborative environment. You also encourage open discussions to build confidence in their decision-making.

Scrum

You create test cases for the new shopping cart feature and execute them to ensure it functions as expected. You identify a few bugs and collaborate with the developers to resolve them. Once fixed, you verify the changes and give your approval.

Scrum Stand-up Activity

- What have you accomplished yesterday?
- What will you do today?
- What is blocking you?

Polls

Please have a look at the poll notification and select an option.

What is the main goal of *Agile* development?

- A. To eliminate the need for documentation
- B. To deliver value to the customer quickly and iteratively
- C. To ensure all planning is completed before starting work
- D. To avoid collaboration

Polls

Please have a look at the poll notification and select an option.

What is the role of the Scrum Master?

- A. Prioritise the product backlog
- B. Manage the team and assign tasks
- C. Facilitate the Scrum process and remove obstacles
- D. Approve the final product

Q & A SECTION

**Please use this time to ask
any questions relating to the
topic, should you have any.**

Thank you
for attending



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