

# AGILE

**YE KYA HAI!!?**

**YE KYA HAI!!?**

**YE KYA HAI!!?**

**YE KYA HAI!!?**

# Introduction

Agile Software Development is a software development methodology that values flexibility, collaboration, and customer satisfaction.

It is based on the Agile Manifesto, a set of principles for software development that prioritize individuals and interactions, working software, customer collaboration, and responding to change.

Agile Software Development is an iterative and incremental approach to software development that emphasizes the importance of delivering a working product quickly and frequently.

It involves close collaboration between the development team and the customer to ensure that the product meets their needs and expectations.

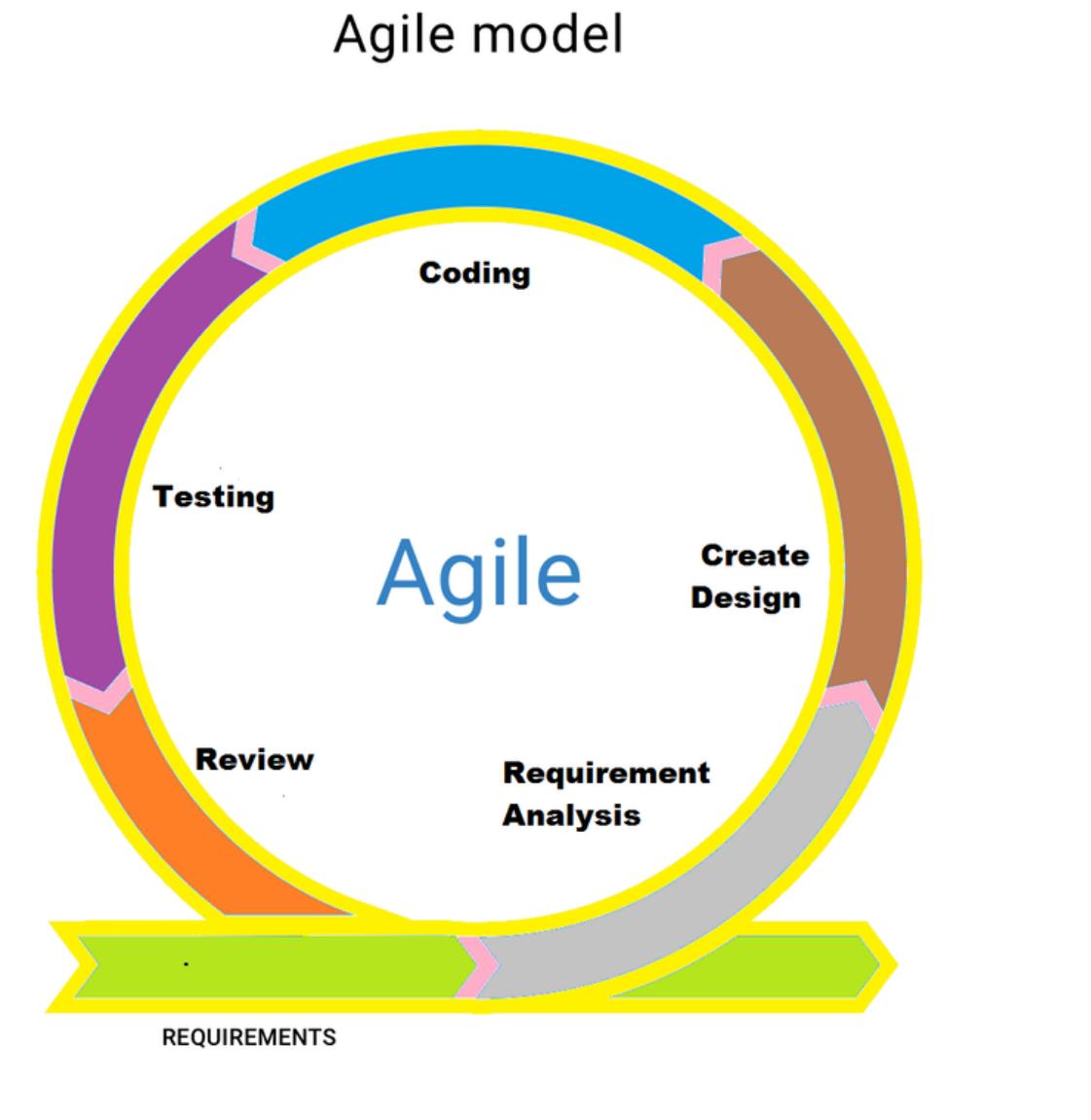
# AGILE-MODEL

- The Agile Model was primarily designed to help a project adapt quickly to change requests. So, the main aim of the Agile model is to facilitate quick project completion.
- To accomplish this task, agility is required. Agility is achieved by fitting the process to the project and removing activities that may not be essential for a specific project. Also, anything that is a waste of time and effort is avoided.

# AGILE-MODEL

The agile model is a combination of iterative and incremental process models. The steps involved in agile SDLC models are:

- Requirement gathering
- Design the Requirements
- Construction / Iteration
- Testing / Quality Assurance
- Deployment
- Feedback



# = MINDSET =

An Agile mindset is an approach organizational leaders and employees can use that may be beneficial for achieving multiple tasks simultaneously. It's particularly valuable in a fast-paced work environment where employees handle several projects or responsibilities

# MINDSET

01

## Respect for others

Having respect for colleagues is important when working as part of a team. When employees respect one another and feel respected by their colleagues and upper management, they may feel more comfortable expressing themselves.

02

## Collaboration

Working collaboratively with your team means you can work with each other's advantages and strengths. Having teammates look at your work and provide their perspectives can help you solve problems or improve in your weaker areas.

# MINDSET

03

## **Improvement and the ability to adapt to change**

Your ability to improve often depends on your ability to adapt to change and respond to constructive feedback. Try to realize your own shortcomings and use each challenge you face as an opportunity to improve.

04

## **A customer focus**

Focus on delivering value to the customer and keeping them satisfied. Ask for help from your teammates to monitor and report any problems or areas for improvement.



@justbeingwatt

(“Han han bilkul”)

# AGILE-12 PRINCIPLES

# 12 Agile Principles



Focus on customer satisfaction



Work with a motivated team



Enhance agility



Accept changes



Have face-to-face interactions with the team



Have simplicity



Deliver work frequently



Focus on the working product



Maintain a self-organizing team



Work as a team



Ensure sustainable development



Reflect and update

# Very Good !!!

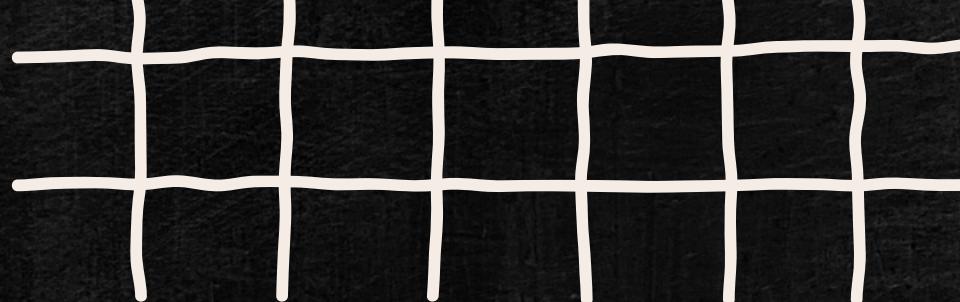


© Samaya | समया.

# AGILE TYPES

# Kanban

- ★ Kanban methodology is about day-to-day workflows and processes. It is a simple, visual means of managing projects that enables teams to see the progress so far and what's coming up next. Kanban projects are primarily managed through a Kanban board, which segments tasks into three columns: "To Do," "Doing," and "Done."
- ★ Many project management software solutions have Kanban board integration, which teams can use to plot out a task's progress from start to finish.
- ★ The main benefit of this methodology is the increased transparency, allowing team leaders to clearly see which tasks are assigned to which team members and what is yet to be completed to make meaningful progress



# Scrum



- Scrum is one of the most popular Agile methodologies, as it can bring teams together with a sharp focus and an efficient, collaborative approach to task execution.
  - It is similar to Kanban in many ways. Scrum typically uses a Scrum board, similar to a Kanban board, and groups tasks into columns based on progress. Unlike Kanban, Scrum focuses on breaking a project down into sprints and only planning and managing one sprint at a time.
  - Under this methodology, you would assign a Scrum leader and product owner, who have a direct influence over the rest of the team. This assigned leadership can help teams to spearhead projects and complete them over a short space of time through a series of sprints.
- 

# AGILE-QUIZ

1. Which of the following is not one of the principles of the agile software development method?
  - (A) Following the plan
  - (B) Embrace change
  - (C) Customer involvement
  - (D) Incremental delivery

2. Which of the following are correct quality strategies of agile?

- A) Short feedback cycle
- B) Milestone reviews
- C) Dynamic code analysis
- D) All of the above

3. What is agile methodology?

- A) Agile methodology is a sequential approach to software development.
- B) Agile methodology is an iterative approach to software development.
- C) Agile methodology is a circular approach to software development.
- D) Agile methodology is a prototype approach to software development.

4. Scrum-ban is a Scrum and Kanban-based model for software development.

- A) TRUE
- B) FALSE
- C) Can be true or false
- D) Can not say

5. Agile is a \_\_\_\_\_ model

- A) Sequential
- B) Iterative
- C) Incremental
- D) Both B & C

6. Which of the following are roles in the Scrum framework?

- A) Product Owner
- B) Project Manager
- C) Lead Developer
- D) Business Analyst

7. Which of these is a benefit of Agile?

- A) Reduced Risk
- B) Faster time to market
- C) Ability to respond to changing requirements
- D) Improved collaboration between business and technical team
- E) All of these



## 8. What is a Kanban board?

- A) A list of activities banned by the team
- B) The set of Can Have requirements
- C) A visible chart depicting the work to be done, work in progress and work done
- D) Board that captures the details of the entire project for audit purpose

9. Munnabhai knows the four values of Agile Manifesto by heart. However, he was confused when a customer spoke with him highlighting Agile characteristics of short software development cycles or iterations. He could not recollect anything about short iterations in Agile Manifesto. What did he miss to learn about?

- A) Agile Principles
- B) Agile Guidelines
- C) Agile Methods
- D) Agile Phases

10. How many roles are there in agile methodology?

- A) 3
- B) 2
- C) 4
- D) 5

# THANK YOU! 🙏



Samaya | समया.

# BYE!



© Samaya | समया.

# Our Team

Ansh Bhalla - 12111043

Vasu Bajaj - 12111047

Daksh Chhipa - 12111078

Sameer Boruah - 2111090