

AGILE

Agile is a software development methodology inspired by iterative and incremental model. It is an adaptable model which focuses on customer satisfaction by rapid delivery of working software product.

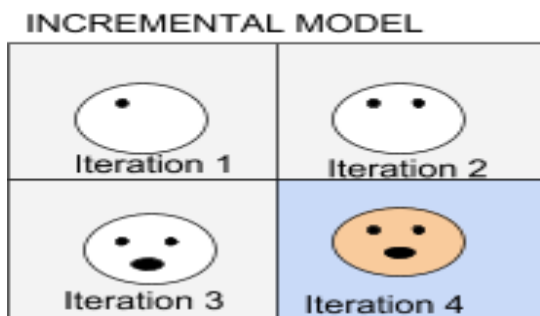
There are different agile methods like SCRUM, Extreme Programming etc. The most popular method is Scrum.

Agile Scrum Method

- Scrum is a subset of Agile. It is a lightweight process framework for agile development and
- It is the iterative & incremental agile software development method.

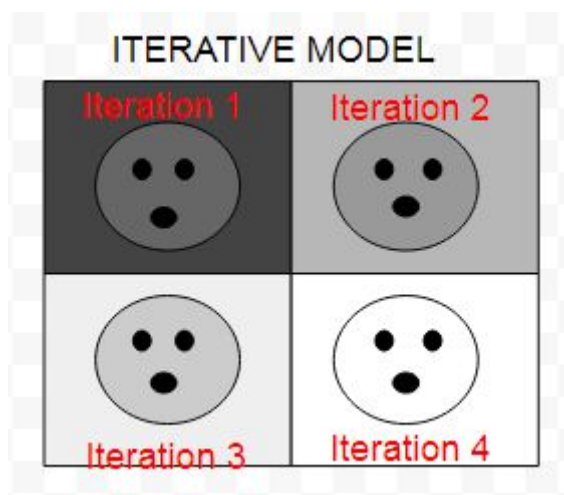
INCREMENTAL MODEL

- ❖ Requirements are broken down into small individual units.
- ❖ These individual units are completed in incremental iterations



ITERATIVE MODEL

- ❖ The iterative model starts with a small set of requirements and iteratively evolving and expanding these requirements until the system is ready to be deployed.
- ❖ An iterative life cycle model does not attempt to start with a full specification of requirements.



- Scrum method is iterative and incremental in nature.
- Scrum is a small piece of user requirement that is supposed to be completed in a given time duration.
- Sprint is a short interval of time in which some predecided tasks are completed.

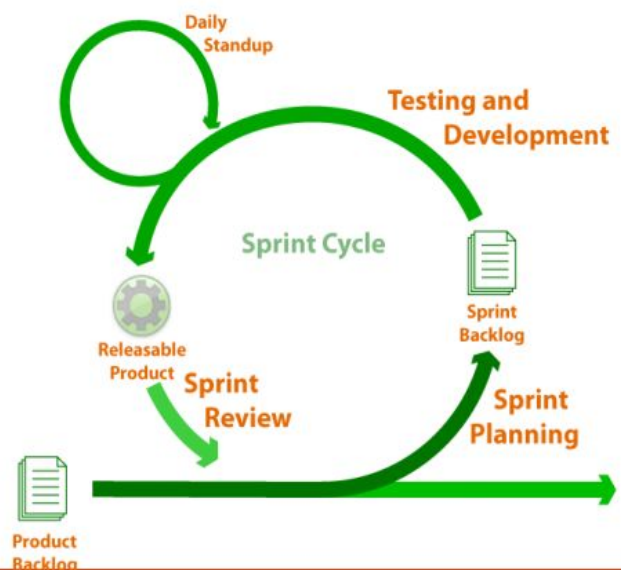
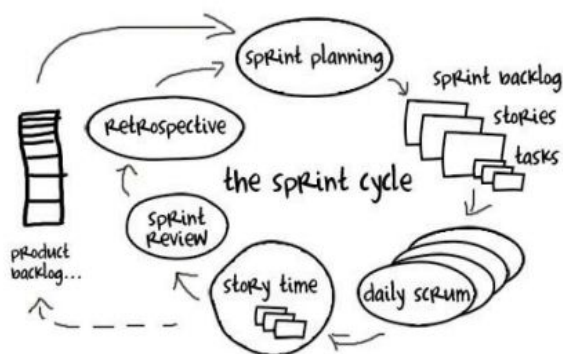
AGILE terms

1. Sprint

- It is a small time interval in which some predecided tasks are done.
- It may vary from 2- 4 weeks.
- Generally, these tasks are called issues.

2. Scrum

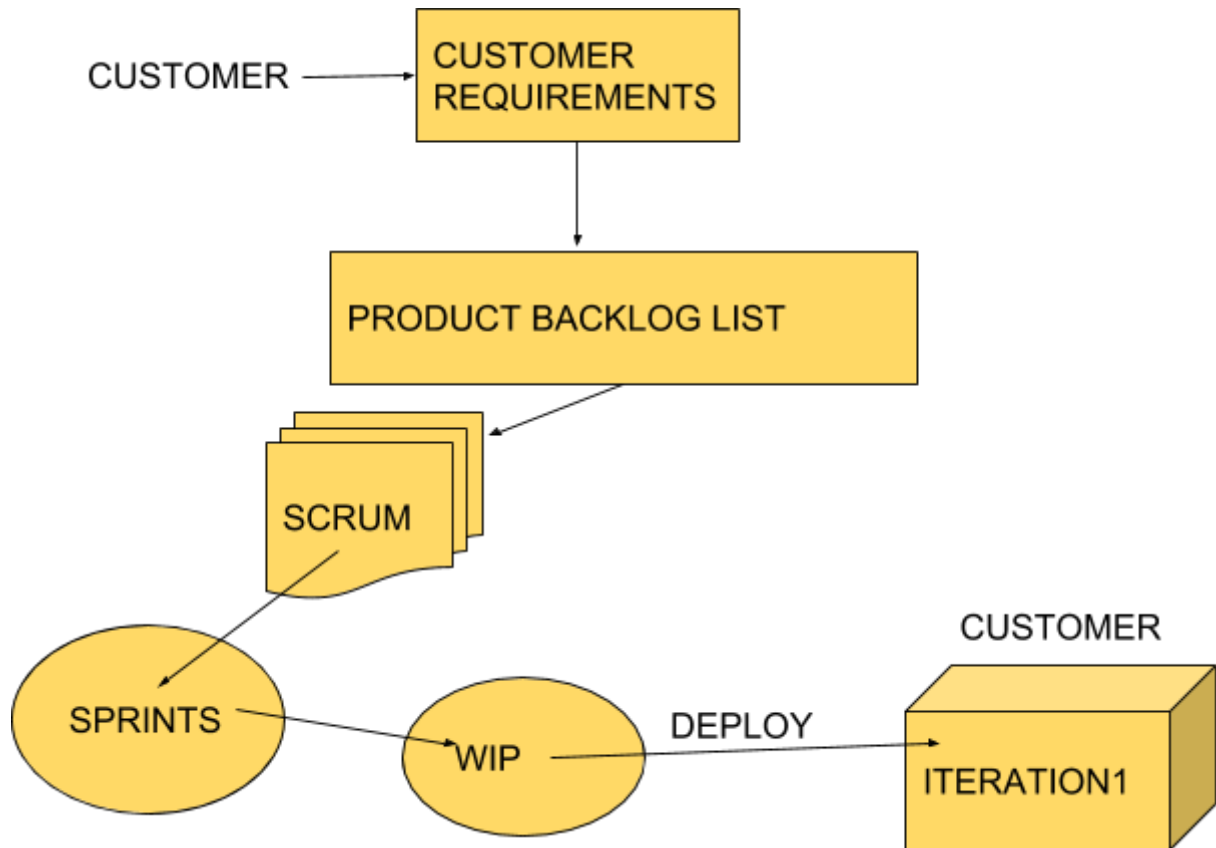
- Scrum is a small part of the requirements or user stories which are developed and shown to the customer.
- Agile is all about developing small units and deploying and that small part of the requirement is a scrum



3. Scrum master

- Scrum master manages how requirements are divided in scrums
- The scrum master is responsible to see each iteration is deployed on time.
- Divides the work and trace the workflow.
- Finding techniques for effective Product Backlog management.

HOW AGILE WORKS



- All customer requirements will be captured in the product backlog list.
- From product backlog, some high priority requirements are picked.
- Selected high priority requirements are moved to a sprint where team members start working on these requirements and plan to deploy in predecided sprint duration.
- Once the product is developed it is tested parallelly and deployed to the final user as iteration1.

AGILE Process

