SDLC using Agile Methodology:

It is a process model with iterative and incremental approach. Agile is basically defines the principles how to process should me.

Agile follows 2 principles.

1. Customer no need to wait for long time.
2. We develop test and release piece of software to the customer with number of features.
3. We can accept /accommodate the required changes.

There is a good communication between Customer, Business analyst, Developer & Testers.

Advantages:

→Required changes are allowed at any stage of development (or) we can accommodate requirement changes in the middle.

→Releases will be very faster

→Customer no need to wait for long time.
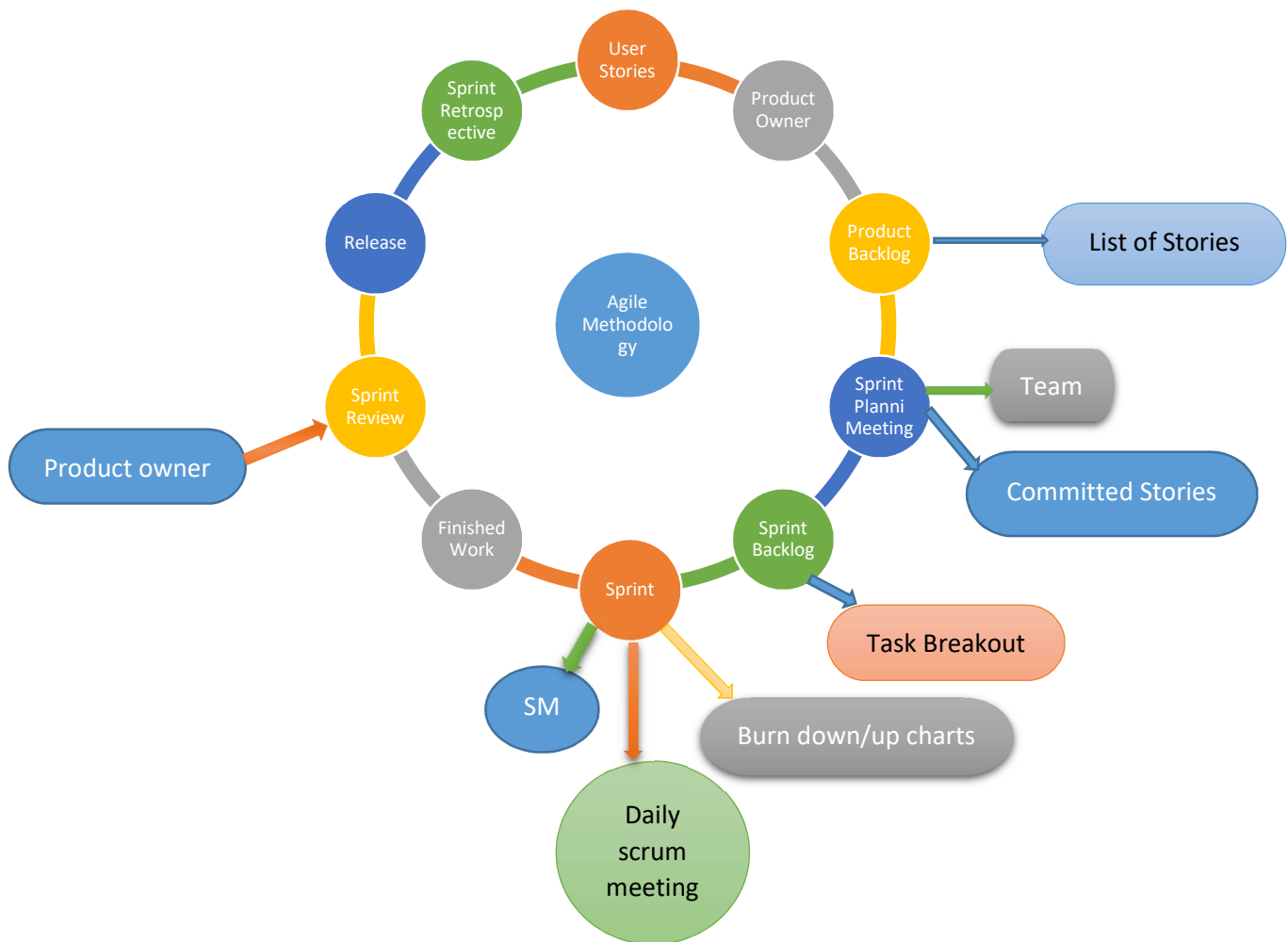
→It is very easy model to adopt

Disadvantages:

→Less focus on design and documentation since we deliver software very faster.

Scrum: Scrum is a framework through which we build the software product by following agile principles.

Scrum team involves set of people like,

1. Product Owner

2. Scrum Master

3. Dev Team

4. QA Team

SDLC Agile Methodology:

Product owner: Product owner is responsible for writing the requirements and writing the features (or) is responsible to collect the features.

Scrum Master: Scrum master is responsible for driving the agile process. SM take of entire process. It looks on everyone that weather they are working on it or not.

User Story: It is a feature or module in a software. Product owner is responsible for user stories.

Epic: Collection of user stories

Product Backlog: It contains list of user stories prepared by product owner at the beginning of the agile process.

Sprint: It is a period of time to complete the user (design, develop, testing). During sprint decides how many stories develop & test by the team.

A span of time to complete user stories. Usually sprint takes 2 weeks of time.

Sprint Backlog: Contains list of committed stories by developer/QA for specific sprint

Sprint Planning Meeting: Meeting conducts with the team to define what can be delivered in the sprint and duration.

- ➔ Focus on how many stories we have in the backlog.
- ➔ How many stories we are going to develop and test during the sprint and what is the duration of the sprint.

Scrum meeting: Meeting conducted by the scrum master everyday 15mins called as Scrum call/Standup meeting. They asks questions like.

- ➔ what did you do yesterday?
- ➔ what will you do today?
- ➔ Are there any impediments in your way?

Sprint retrospective Meeting: Conducts meeting after completion of sprint the entire team including SM and PO should participates.