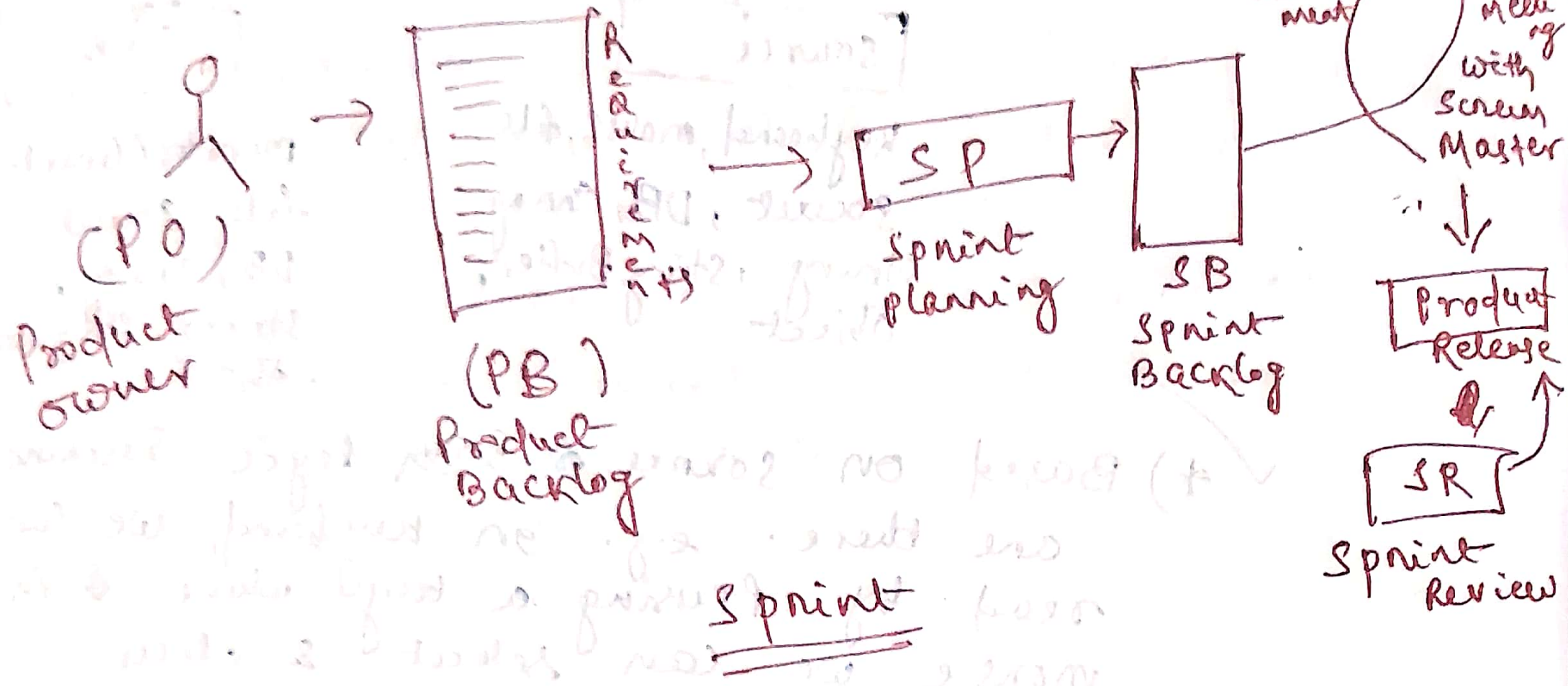


Scrum (Agile)



Extreme Programming (XP)

- 1) It is the most important s/w development frame work of Agile models.
- 2) It is used to improve s/w quality & Responsive Responsiveness to customer Requirements.
- 3) It focuses on delivering high quality s/w through frequent & continuous feedback, Collaboration & adaption.
- 4) It emphasizes a close, working Relationship between the development team, the customer & stakeholders with an emphasis on rapid, iterative development.

XP Values

1. Communication:- Communication between s/w team & stakeholder. It should be frequently.
2. Simplicity:- It restrict the developers to design for the immediate needs & don't make it complex by predicting the future needs. Eliminate unnecessary Requirements which leads to decreasing complexity.
3. Feedback:- are among testing & customer as well as customer involvements which helps in detecting problem earlier during development.
4. Courage:- Team members are encouraged to take risks, speak up about problems & adapt to change without fear of repercussions.

5. Respect :- There must be respect between each member of the team as well as respect between member & stakeholders.

XP Process (life cycle of XP)

→ i) Planning

ii) Design

iii) Coding

iv) Testing :- (Importance on testing. Consists of both unit test & acceptance test)

v) Listening - (Regular feedback from customer to ensure the product meets their needs & to adapt to any changes)

Advantages

* Slipped schedules :- Timely delivery

* Misunderstanding the business :- Constant contact & explanations are ensured by including the client on the team.

* Canceled projects :- Focusing on ongoing customer engagement guarantees open communication with the customer & prompt problem solving.

* Business changes :- changes are accepted at any moment since they are seen to be inevitable.