

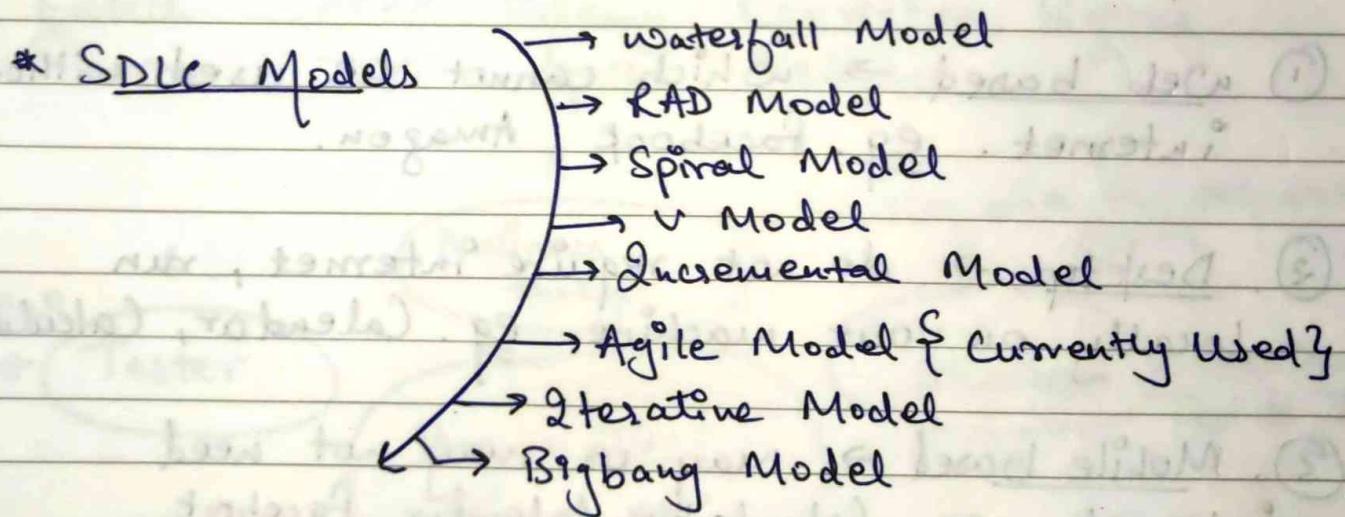
SDLC : Software Development Life Cycle.

A process which include various phases that are followed to develop the s/w application.

Requirements \Rightarrow Design \Rightarrow Development \Rightarrow Testing \Rightarrow Deployment \Rightarrow Maintenance.

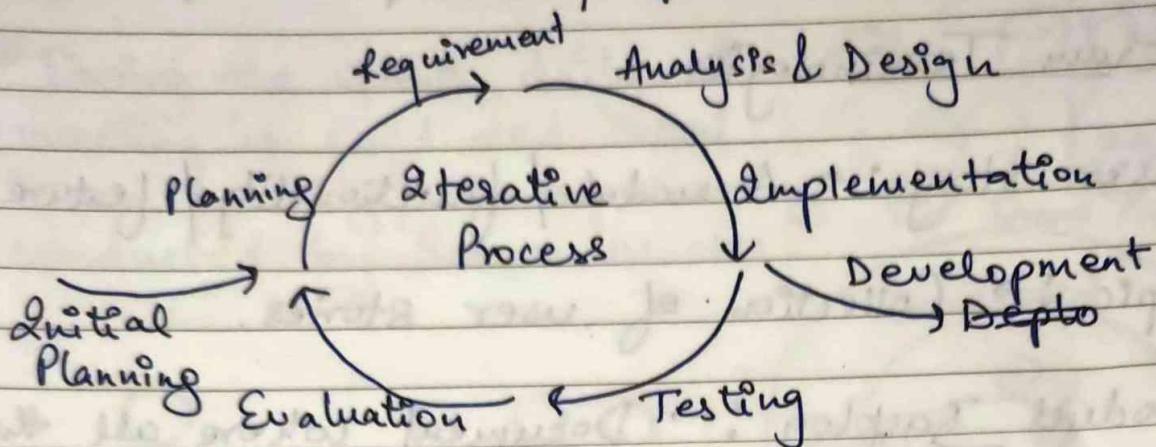
SRS : System Requirement Specification

Technical doc. where BA converts Business Req. Document (BRD) into SRS.



- ① Waterfall Model \rightarrow The output of one phase will be the input to the next phase.
- Waterfall Model do not accept the requirement change. Suitable only for small projects.

②. Iterative Model / Spiral Model



- All the requirements are not implemented at once.
- Instead, we're going to implement it in a cycle or in a loop.
- Requirement changes is allowed in this model. But, we have to wait until the cycle completes.

③. Agile Model / Agile Process / Agile Methodology.

One Iteration → 2 to 3 months.

Combination of iterative & incremental approach.
→ Customer need not to wait for long time.
→ Requirement changes allowed.

* Scrum → framework or approach which is used to follow agile principles.

1. Product owner → Gathering requirement >> client.
2. Scrum Master → responsible if the whole team is following agile principles.

3. Developing team → Coding.

4. QA team → Testing the application.

* Scrum Terminologies

1. User Story :→ A module / functionality / feature

2. Epic :→ Collection of user stories.

3. Product Backlog :→ Document where all the requirement we need to implement are present.

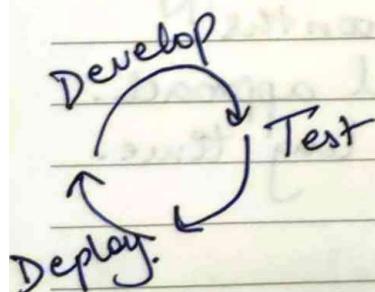
- list of user stories.

4. Sprint Backlog :→ Consisting of committed user stories which will lead to implement in that particular sprint. (Iteration).

^{sprint} 2-3 months
how many user stories are committed.

(4). Incremental Model

Enhanced Iterative Model.



- No refinement.
- Feedback.

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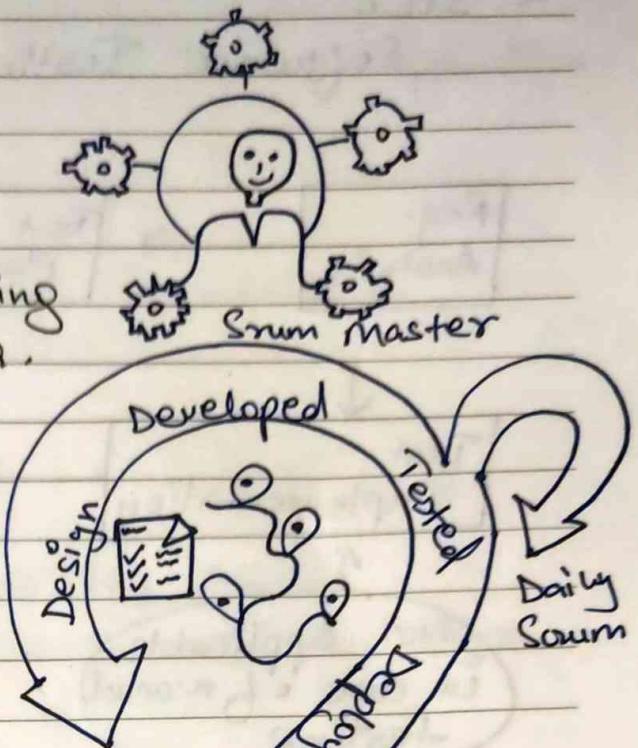
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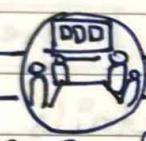
Billing

Agile Methodology

* During the sprint, daily a meeting is conducted called Scrum meeting / standup meeting conducted by Scrum Master.



Product Backlog



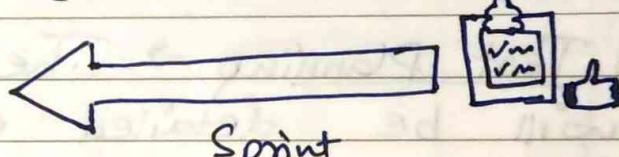
Sprint Planning
Meeting



Sprint Backlog



Finished Work.



Sprint Retrospective

- ① Product Owner → Finalise the user stories
- ② Product Backlog → All the user stories are present in a document called product backlog.
- ③ Sprint Backlog → List of committed user stories which will be executing for a particular sprint
- ④ Scrum Master → Which look out the whole team if following the agile model.