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Software Development Life Cycle (SDLC)

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=> From start to end is called as Life Cycle

=> SDLC = Development + Testing + Deployment + Delivery

=> From project start to till project end is called as Software development lifecycle.

=> We have several phases in SDLC

1) Requirements Gathering

2) Requirements Analysis

3) Design (FDD / BRD / SRS)

4) Development

5) Testing

6) Deployment

7) Delivery

8) Support (SLA - Service Line Agreement) - 6 months

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SDLC Methodologies

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1) Waterfall (outdated)

2) Agile (Most Trending)

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Waterfall methodology

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-> Linear methodology (Sequential Process)

-> It is a step by step process

-> After one step is completed then only we will move to next step

-> Forward Direction

-> Client involvement is very less

-> Client will see project at the end

-> requirements fixed & budget fixed

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Agile Methodolgy

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-> Iterative approach

-> Development + Testing + Delivery - is a cyclic process

-> Project will be delivered in multiple phases (Sprint)

-> Client Involment will be there in every phase of the project

-> Requirements are not fixed & Budget is not fixed

Note: Client Satisfaction is most important factor in Agile Methodolgy

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Agile Terminogoly

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Product Owner : Responsible to deliver project to client (deliery head)

Scrum Master : Responsibe to manage Agile Team work (Daily Tracking)

Tech Lead : Seniour Resource in Team For Technical help

Team Members : Developers + Testers + DB Team + Ops Team

Scrum Meeting : Daily status call (scrum / status / standup) - 30 mins

Backlog Grooming Meeting : Meeting To identify pending works in the project

Backlog Stories : Pending Stories we have created in JIRA

Story : A task

Story Points : Represents duration to complete a story

3 points - 1 day

5 Points - 2 days

8 Points - 3 days

Sprint Planning Meeting: To identify priority stories to complete

Sprint : Set of stories planned to complete in given duration (2 weeks)

RetroSpective meeting : Review meeting

- 1) What went well
- 2) What went wrong
- 3) Improvements
- 4) Lessons Learnt
- 5) Ideaz Board

To : scrummaster-mail-id

cc : sbiproject@tcs.com

Subject : Standup Call Status - Ashok

Hi Steve,

Today i can't join our standup call due to doctor appointment.

Please find my status below

yesterday : STORY 135 completed, status changed to DONE.

today : I have started working on STORY 231, targeted for Tomorrow EOD.

I don't have any issues.

Thanks,

Ashok.

To : sbidevops@tcs.com

cc: sbiproject@tcs.com

Hi,

Please create new git repo for our REPORTS API development

Repo Name : REPORTS_API_REPO

@Manager - Please approve.

Thanks,

Ashok.

