AGILE WITH JRA

=> What is SDLC ?

=> SDLC Phases

=> Waterfall Model

=> Agile model

=> Agile terminology

=> Working with JIRA

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What is SDLC

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=> Software development life cycle

=> It represents end to end process invovled in software development and delivery process

=> We have several phases in SDLC

a) Requirements Gathering

b) Requirements Analysis

c) Design / Planning

d) Development

e) Testing

f) Deployment

g) Delivery

h) Maintenence (SLA)

=> There are several SDLC methodologies available in the market

Ex: Waterfall model, Agile model

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Waterfall Model

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=> Waterfall is the first SDLC methodology came into market

=> Waterfall model is a sequential / linear model

=> In waterfall model after one stage is completed then only we can go for next stage

=> In waterfall model we will move only in forward direction

=> Requirements are fixed and budget is also fixed

=> Client involment is very less in waterfall model

=> Client will see the project only at the end

Note: If client is not happy with our project develivery then it is time waste and money waste process.

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Agile Model

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=> Agile is an iterative approach to develop and deliver application to client

=> In Agile methodology, planning + development + testing + deployment is a continuos process

=> Application will be delivered to client in multiple releases (Sprints)

=> For every release we will take client feedback.

=> Client involvment is very high in Agile methodology

=> Requirements, Duration and Budget is not fixed

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Agile team

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a) Product Owner : Responsible for project deliverables

b) Scrum Master : Responsible to manage Agile team members work

c) Tech Lead : Seniour resource to solve technical challenges

d) Team Members : Developers + Testers will be there

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Agile Terminology

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a) backlog grooming : A meeting to identify pending tasks in the project

b) story : A task that we have to work on (every story will have story-id)

c) story points : Represents duration to complete the story

3 points: 1 day

5 points : 2 days

8 points : 3 days

d) sprint planning : A meeting to pritorize the backlog stories to work in next sprint based on team band width.

e) sprint : Fixed set of stories that we agreed to complete in sprint duration.

Sprint Duration : 2 weeks (Industry standard)

f) scrum : Daily meeting to provide work updates to scrum master.

a) What are you working on ?

b) When it will complete ?

c) Do you have any issues ?

d) Do you need any help ?

g) Retrospective : Review meeting to discuss what went well, what went wrong, lessons learnt, improvements and new ideas....

Note: Retrospective will happen monthly once.

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JIRA

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=> Jira software developed by Atlasian company

=> JIRA will be used as project management tool

=> Using JIRA we can perform below activities

a) Creating tasks (Stories)

b) Assigning tasks

c) Bug Reporting

d) Project Status reports etc...

=> We can practice JIRA using trail version.

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Each Team Member should give 3 points per day

10 days sprint \* 3 points = 30 points for each member

total\_team\_size (10) \* 30 = 300 points (Sprint goal)