**AGILE With Jira:**

**Agile with JIRA:**

SDLC

Waterfall methodology

Agile methodology

=> SDLC stands for software development life cycle

1) Requirements Gathering

2) Analysis

3) Design

4) Development

5) Testing

6) Delivery

7) Maintenance

**Waterfall Model:**

=> Waterfall is a linear model / sequential model

=> We will move only in forward direction

=> After one stage completed then only we will move to next stage

=> Requirements are fixed

=> Budget is fixed

=> Client will see the project at the end.

=> Earlier people used to follow waterfall methodology to develop applications but in today's world it is not recommended.

=> To overcome problems with Waterfall model people are using Agile model

**Agile Model:**

=> Most famous and trending SDLC methodology to develop and deliver our applications

=> Agile is an iterative model.

=> In Agile model, development + testing + delivery is a continuous process.

=> We don't deliver entire application in one shot.

=> Application will be delivered in multiple sprints.

**Agile Team Roles:**

1) Product Owner

2) Scrum Master

3) Tech Lead

4) Team members (developers + testers)

**Agile Terminology:**

a) Backlog Grooming

b) Sprint Planning

c) Story

d) Story Points

e) Sprint

f) Scrum

g) Retrospective

-> Backlog grooming is a meeting to identify pending works in the project.

Note: After identifying pending works we will create stories in jira (story means task).

-> For every story we will assign story points.

Note: Story points represents duration to complete story.

3 points ---> 8 hours to complete (1 day)

5 points ---> 16 hours to complete (2 days)

8 points ---> 24 hours to complete (3 days

-> Sprint planning meeting is used to prioritize backlog stories.

-> Once prioritization completed then sprint will be started.

Sprint Duration: 2 weeks (10 working days)

-> Once sprint started everyday scrum call will be there....

Note: In scrum call, every team member should give work status update.

What you are doing today?

When it will be completed?

Do u have any issues?

-> Retro meeting is like a review meeting...

-> In Retro Meeting we will discuss below points…

-> What went well?

-> What went wrong?

-> Lessons learnt

-> Any improvements

-> Suggestions

-> New Ideas

**JIRA:**

-> Atlasian company product

-> It is used for project management

-> It is also used for Bug reporting...

-> For learning purpose we can use trial version of jira

Note: In companies we will use licensed version.

https://team.atlassian.com/your-work

=> Login into Jira

=> Create Project using Scrum template

=> Create Stories in Backlog

=> Prioritize backlog stories (add them to sprint)

=> Start sprint

=> Assign story and work on it

=> Once story completed update story status in Jira

------------------- **Email format For git Repo creation** ----------------------

To: axis.devopsteam@tcs.com

cc: axis.devteam@tcs.com

Subject: Git Repo Creation | Axis-1

Body:

Hi DevOps Team,

Please create new git hub repo for Axis bank loan application.

Repo Name: Axis\_Loans\_App

@John: Please approve.

Thanks,

Ashok.

--------------------------**Email for status update** ----------------------

To: steve.m@tcs.com

cc: axis.devteam@tcs.com

Subject: Ashok work status

Body:

Hi Steve,

Due to personal emergency i am unable to join scrum call today.

PFB work status for 29-Dec

I am working on AXIS-1089

It is targeted to complete by tomorrow EOD

I don't have any issues.

Thanks,

Ashok.

--------------------------- **Email format for OOO** -------------------------

To: steve.m@tcs.com

cc: axis.devteam@tcs.com

Subject: OOO

Hi Steve,

As discussed over call, i will be OOO from 01-Jan to 25-Jan.

If any emergency, please reach me on + 91 - 76868686868

Thanks,

Ashok.

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When we are taking long leave then we need to setup Auto reply to our mail id

Like below

Hi,

Thanks for your email...

I am OOO from 01-Jan to 25th jan , if any emergency please reach out to my team member Anil <anil.k@tcs.com>

Thanks,

Ashok.

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