How Companies Use JIRA for Project Development?

Contents

- Understand JIRA
- Work on Scrum / Sprints
- EPIC / STORY / TASK with LIVE Project
- Test case management with Zephyr
- Reporting and Test Estimation
- Scrum Framework
- JIRA Interview Questions ans Anwsers.

What is JIRA?

1. JIRA is an issue Tracking Product.
2. Developed by Atlassian.
3. Jira was designed as a bug and issue tracker.
4. Allow to bug tracking and Agile Project management.
5. Jira has evolved into a powerful work management tool for all kinds of use cases, from requirements and test case management to agile software development.

Why JIRA is Used?

- ✓ Issue tracking
- ✓ Customizable workflows
- ✓ Estimation & work logging
- ✓ Progress reports
- ✓ Scrum boards
- ✓ Kanban boards
- ✓ Project- level permissions
- ✓ Project backlogs
- ✓ Email notifications

Jira for project management teams

- ✓ Issue tracking
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- ✓ Estimation & work logging
- ✓ Progress reports
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- ✓ Kanban boards
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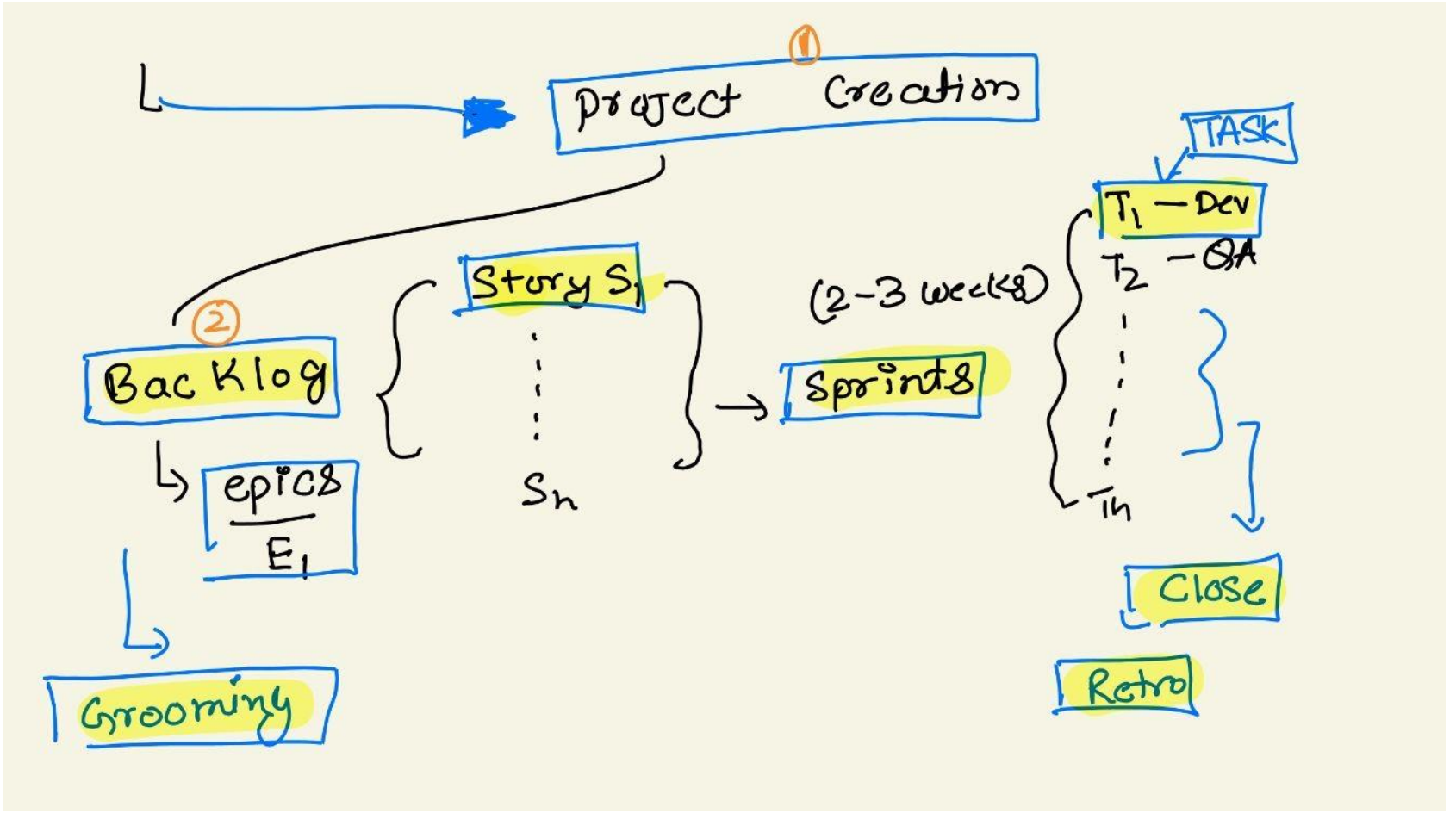
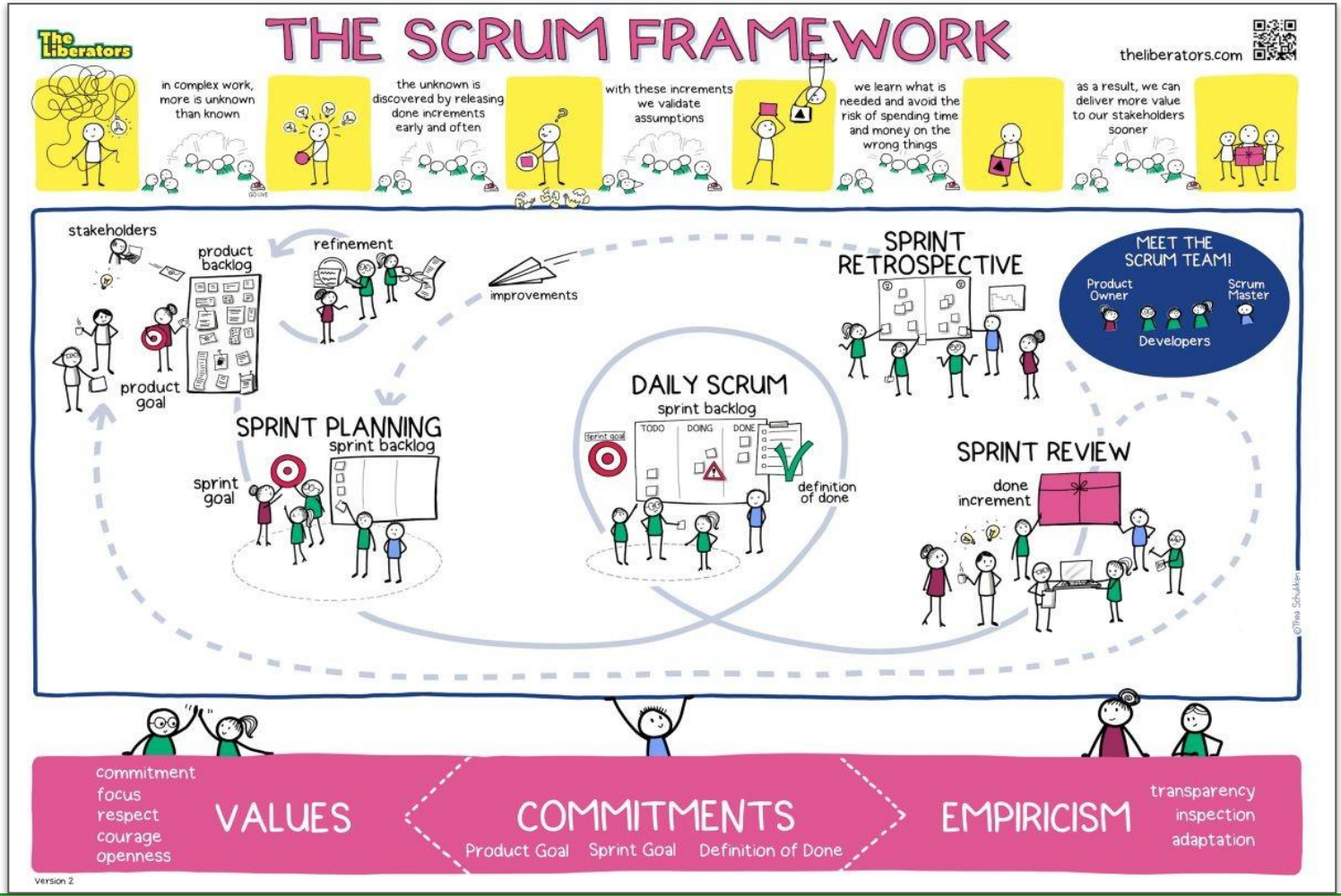
- ✓ Project backlogs
- ✓ Email notifications

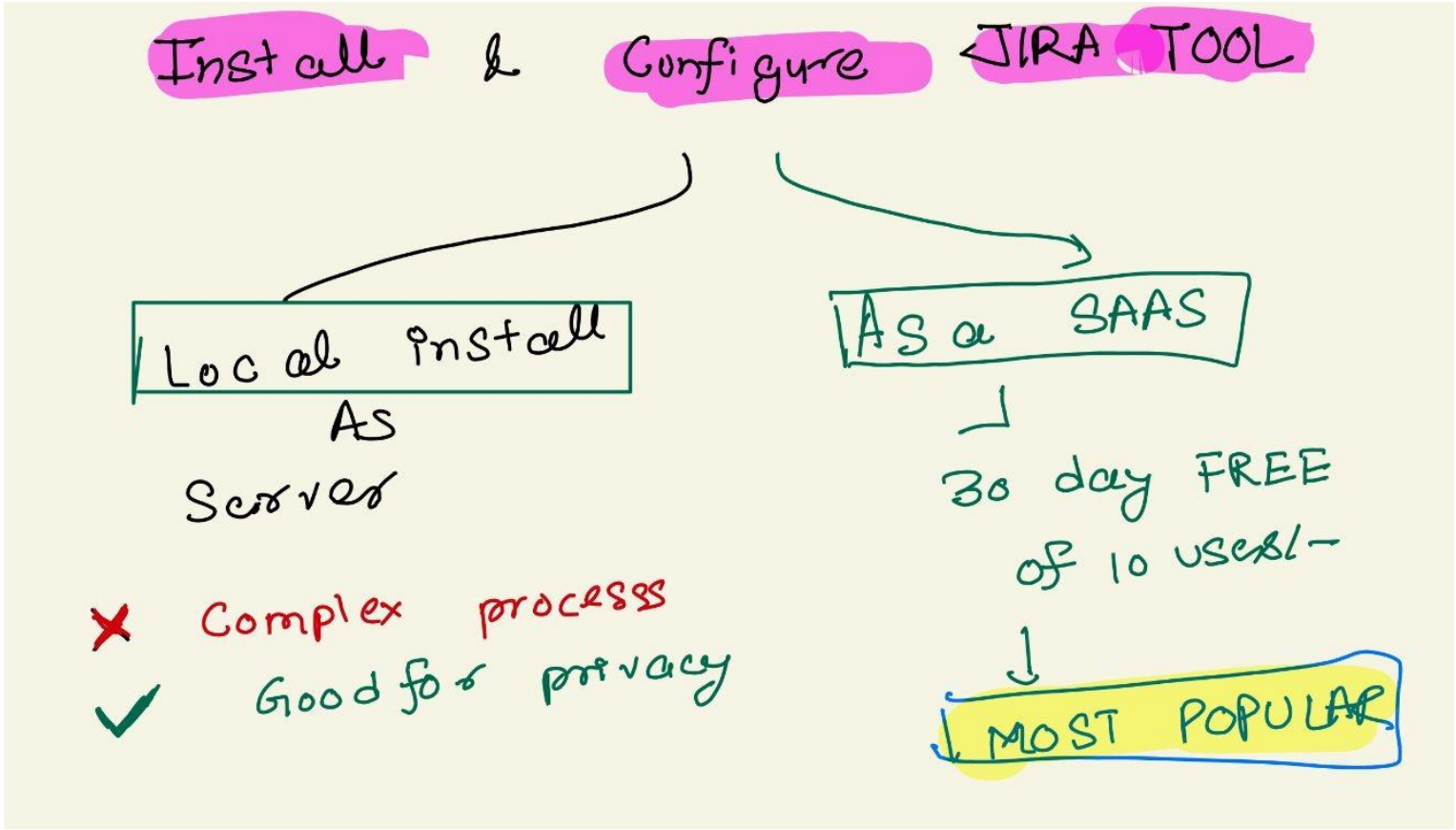
Scrum
Kanban
Issue Tracking
Metrics
Waterfall
Code Versioning
Code Review
Continuous Integration
Documents & Deliveries
Test Management
Jira software
Additional Addon
BitBucket FishEye
Crucible
Bamboo
Confluence

JIRA Vs Bugzilla

Properties	JIRA	Bugzilla
Built by	Atlassian	Mozilla
Drag-and-drop feature	Available	Not available
Real-time tracking	Available	Not available
License	Commercial	Open Source
Attachments	Mutiple files can be added	Only one file can be added
Size limit for file attachment	10 Mb	1Mb
Ease of Use	Interactive interface	Simple
Programming language	Java	Perl
Kanban support	Yes	No
Hierarchical Issues	Yes	No
Key Features	Project & Issue tracking	Issue Management


Project Creation
1
Backlog
2
epics
E1
Grooming
Story S1
Sn
(2-3 weeks)
Sprints
TASK
T1 — Dev
T2 — QA
Tn
Close
Retro

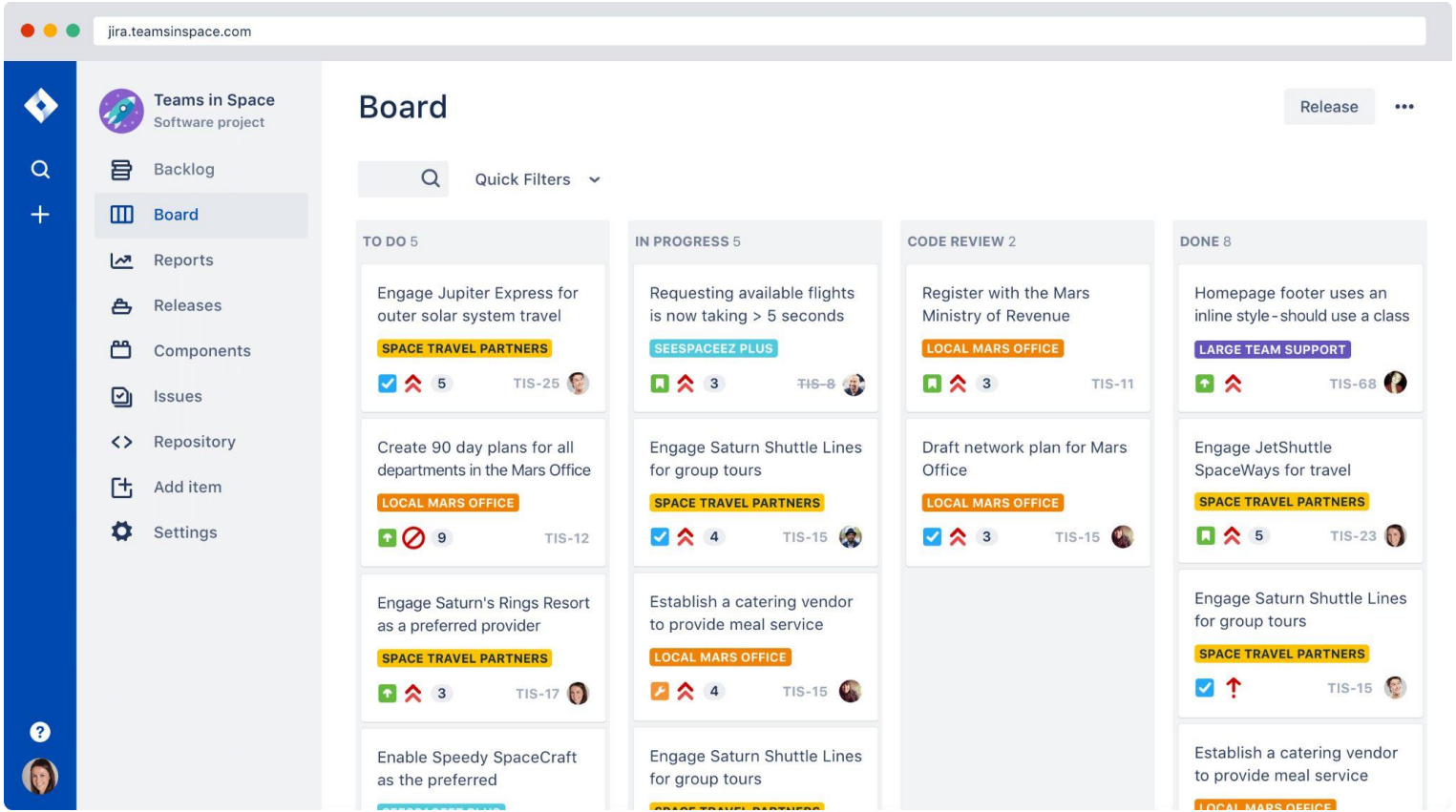

The Liberators
THE SCRUM FRAMEWORK
theliberators.com
in complex work, more is unknown than known
the unknown is discovered by releasing done increments early and often
with these increments we validate assumptions
we learn what is needed and avoid the risk of spending time and money on the wrong things
as a result, we can deliver more value to our stakeholders sooner
stakeholders
product backlog
product goal
refinement
improvements
SPRINT RETROSPECTIVE
MEET THE SCRUM TEAM!
Product Owner
Scrum Master
Developers
DAILY SCRUM
sprint backlog
sprint goal
TODO
DOING
DONE
definition of done
SPRINT PLANNING
sprint backlog
sprint goal
SPRINT REVIEW
done increment
©Tina Schulkin
commitment
focus
respect
courage
openness
VALUES
COMMITMENTS
Product Goal
Sprint Goal
Definition of Done
EMPIRICISM
transparency
inspection
adaptation
Version 2


Install & Configure JIRA TOOL
Local install
As
Server
As a SAAS
30 day FREE
of 10 users!-
MOST POPULAR
Complex process
Good for privacy

Kanban	Scrum
Roles are fluid. Project manager optional.	Roles are predefined. Scrum master required.
Tasks are shared by everyone.	Tasks have assigned owners.
Timelines evolve on an as-needed basis.	Timelines are timeboxed into sprints.
Changes can be made mid-stream, allowing for iterations before completion of a project.	Changes can only be made upon completion of a sprint.
Productivity is measured by the cycle time of the complete project.	Productivity is measured by the number of story points completed in each sprint.

Steps to work on JIRA

1. How a add user to JIRA
2. How to Create PROJect
3. Gathering Req. → Create Backlog
4. EPIC → Story → TASK
5. Story Point (man hour)
6. Sprint creation
7. Add user to Sprint, Sprint Closure.


jira.teamsinspace.com
Teams in Space
Software project
Backlog
Board
Reports
Releases
Components
Issues
Repository
Add item
Settings
Board
Release
Quick Filters
TO DO 5
Engage Jupiter Express for outer solar system travel
SPACE TRAVEL PARTNERS
5
TIS-25
Create 90 day plans for all departments in the Mars Office
LOCAL MARS OFFICE
9
TIS-12
Engage Saturn's Rings Resort as a preferred provider
SPACE TRAVEL PARTNERS
3
TIS-17
Enable Speedy SpaceCraft as the preferred
IN PROGRESS 5
Requesting available flights is now taking > 5 seconds
SEESPACEEZ PLUS
3
TIS-8
Engage Saturn Shuttle Lines for group tours
SPACE TRAVEL PARTNERS
4
TIS-15
Establish a catering vendor to provide meal service
LOCAL MARS OFFICE
4
TIS-15
Engage Saturn Shuttle Lines for group tours
CODE REVIEW 2
Register with the Mars Ministry of Revenue
LOCAL MARS OFFICE
3
TIS-11
Draft network plan for Mars Office
LOCAL MARS OFFICE
3
TIS-15
DONE 8
Homepage footer uses an inline style - should use a class
LARGE TEAM SUPPORT
TIS-68
Engage JetShuttle SpaceWays for travel
SPACE TRAVEL PARTNERS
5
TIS-23
Engage Saturn Shuttle Lines for group tours
SPACE TRAVEL PARTNERS
TIS-15
Establish a catering vendor to provide meal service
LOCAL MARS OFFICE

→ VERSION / EPIC

→ Story points

→ Dev / QA task

→ Sprint execution

→ TMT → ① Test Case
② Test Cycle
③ update TC
④ Bugs Report

→ Install Zephyr

→ ⑤ Execution

→ ⑥ Test Summary

* Import excel

→ Regression Cycle → x1

Issue = every object

How to Use Jira for Test CaseManagement

1. Jira Software was not designed to serve as a Test Case Management.
2. It can be configured to support test case management in a couple of different ways.
3. You can use one of the dozens of apps available in our Atlassian Marketplace.
   - Zephyr
   - TMT
     https://marketplace.atlassian.com/categories/test-management

TEST MANAGEMENT TOOL

We have a test management tools

→ Manage test case

→ Manage Req. & traceability

→ execution of test

→ Test Reports & Graphs

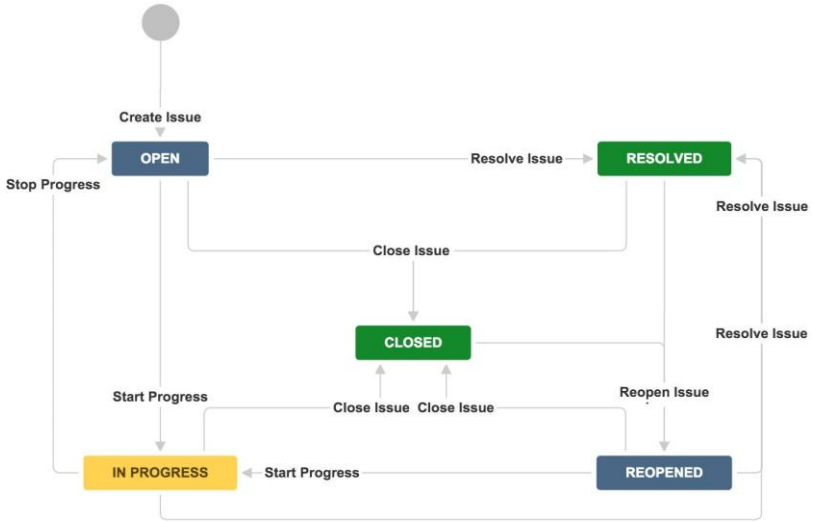
→ Release Management

→ Keeping Defect + TC side By Side.

What is WorkFlow in JIRA?

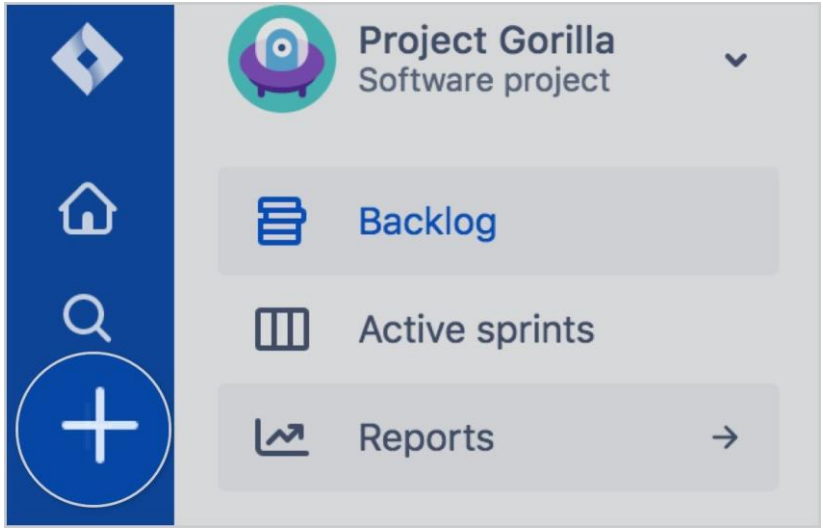
The path that your issues take is called a workflow.

Jira workflow is composed of a set of statuses and transitions that your issue moves through during its lifecycle, and typically represents work processes withinyour organization.



What is an Issue in JIRA?

- Teams use issues to track individual pieces of work that must be completed.
- an issue could represent a project task, a helpdesk ticket, a leave request form,

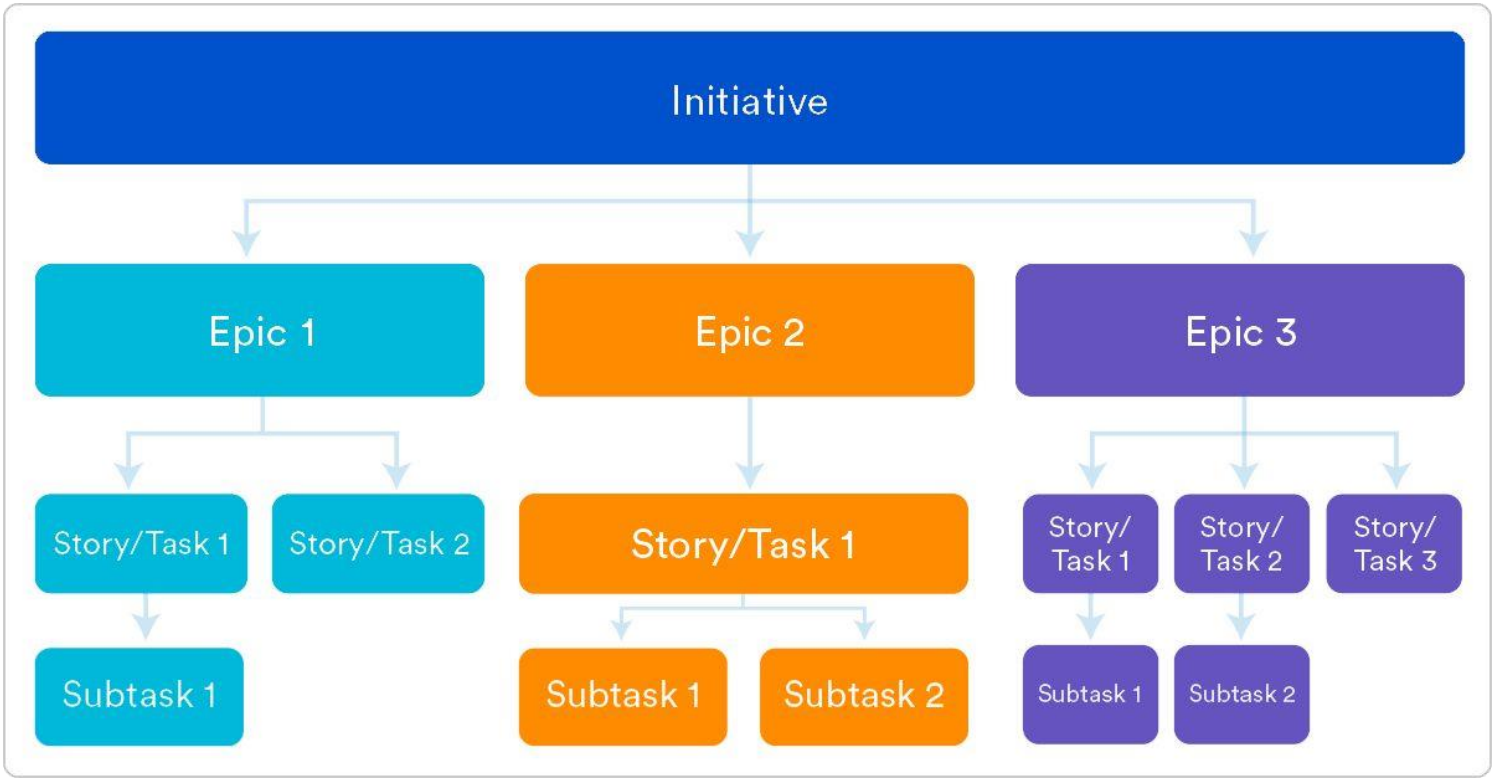


What is Epic?

- Epic is a body of work that can be broken down into specific tasks (called user stories) based on the needs/requests of customers or end users.

Epic: March 2050 Launch		
Story: Update date range to include March 2050 Launch dates.	Story: Reduce load time for requested flight listings to < 0.45 seconds	Story: Promote Saturn Summer Sale on confirm page for First Class bookings.

What is Epic?


Initiative
Epic 1
Epic 2
Epic 3
Story/Task 1
Story/Task 2
Story/Task 1
Story/ Task 1
Story/ Task 2
Story/ Task 3
Subtask 1
Subtask 1
Subtask 2
Subtask 1
Subtask 2

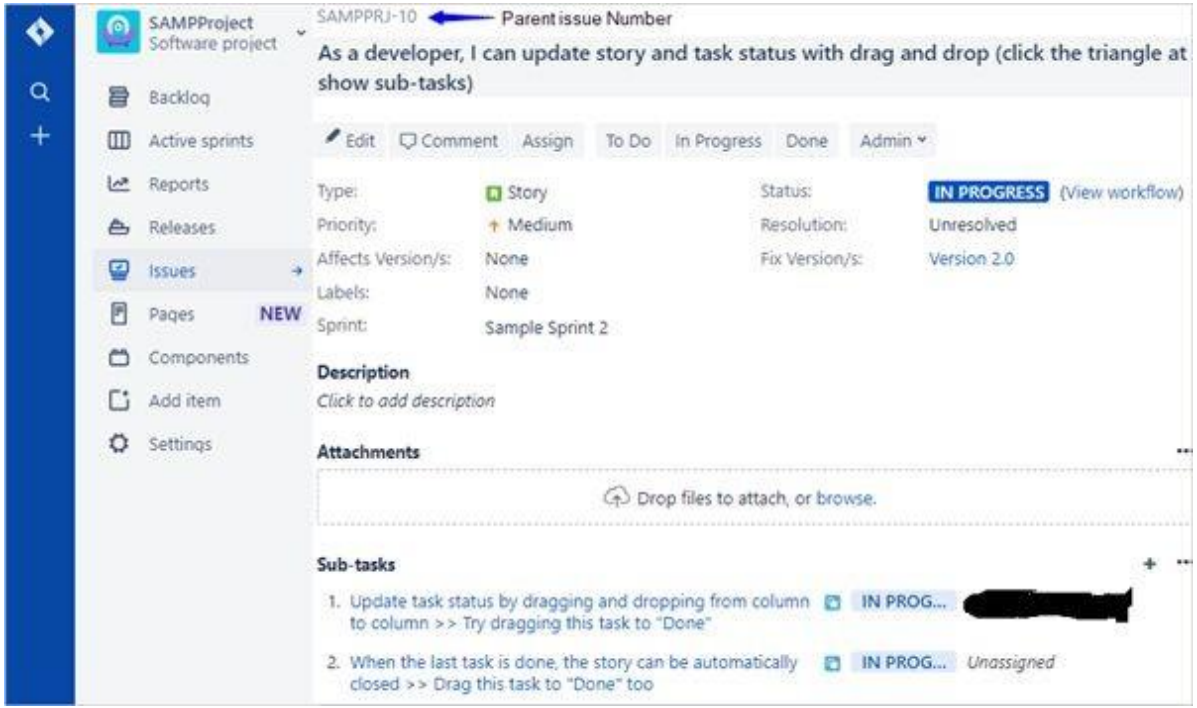
What is Story?

- A user story is an informal, general explanation of a software feature written from the perspective of the end user or customer.

Epic: March 2050 Launch		
Story: Update date range to include March 2050 Launch dates.	Story: Reduce load time for requested flight listings to < 0.45 seconds	Story: Promote Saturn Summer Sale on confirm page for First Class bookings.

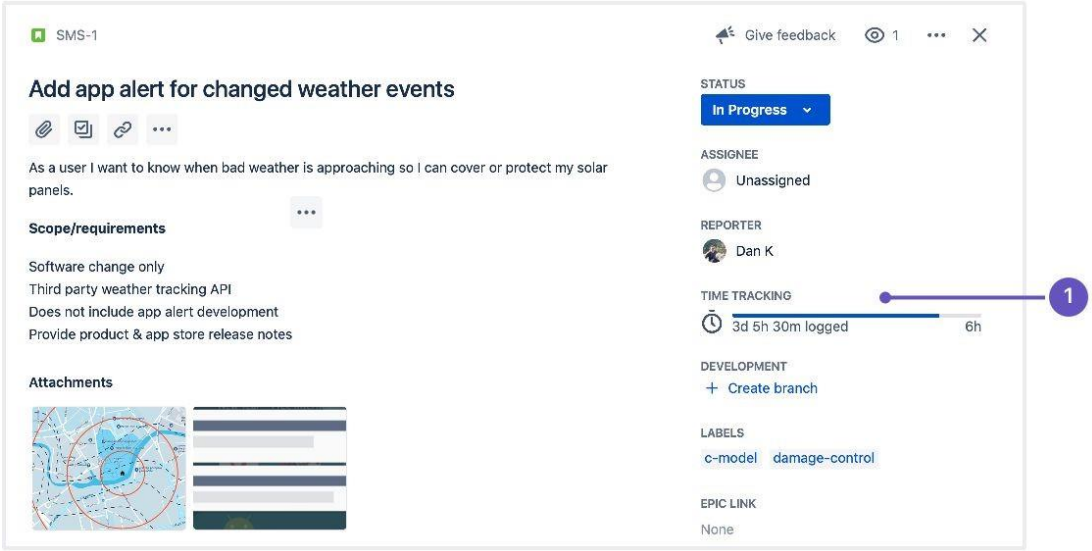
What is Task and SubTask?

- Action Item, Further breakdown of Task is Subtask.



What is Time Tracking in JIRA

- Time tracking lets your team record the time they spend working on issues. It's enabled by default in Jira; you won't lose any existing data if you disable or re-enable it.



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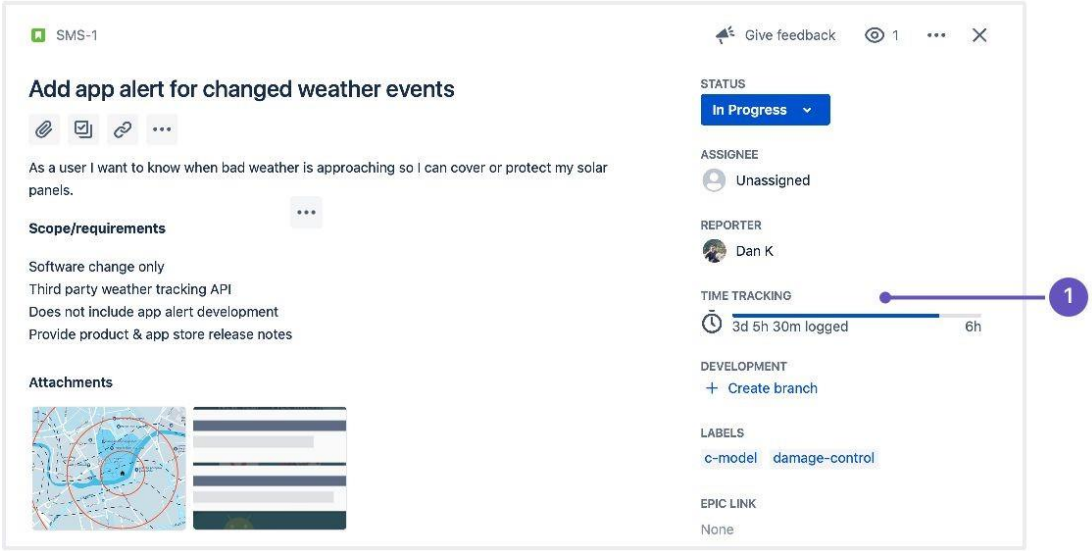
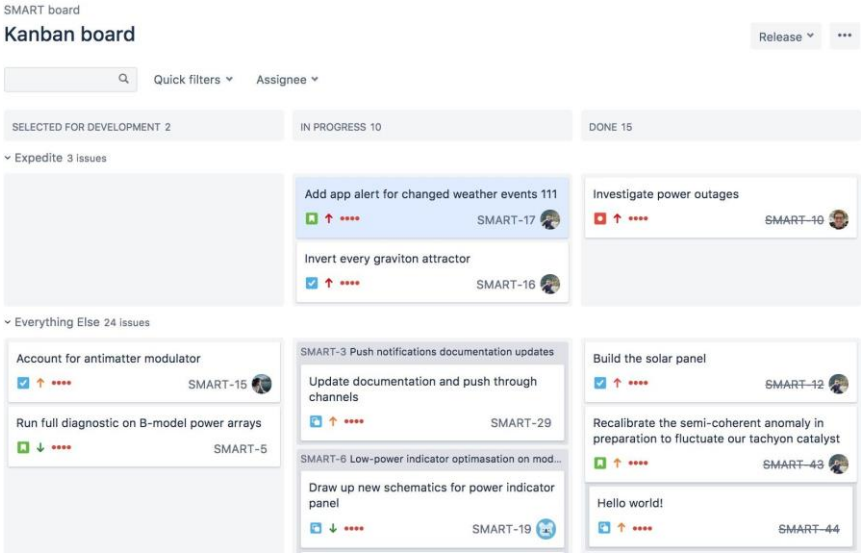


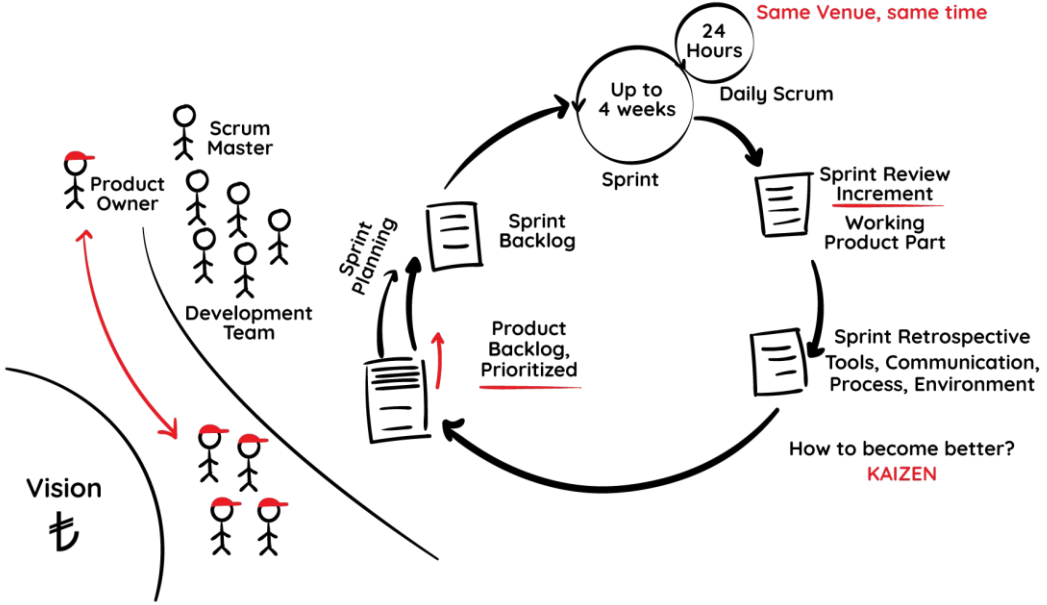
What is Kanban Board?

- A kanban board is an agile project management tool designed to help visualize work, limit work-in-progress, and maximize efficiency (or flow)



What is Scrum?

- Scrum is a framework within which people can address complex adaptive problems, while productively and creatively delivering products of the highest possible.



Issues Types

https://confluence.atlassian.com/adminjiracloud/issue-types-844500742.html