

EXPERIMENT 6

Aim: To study agile methodology and test case management using JIRA tool. To create scrum board for scrum master using JIRA tool.

Theory:

Jira is a software development tool that helps teams plan, track, and release software projects. It's a popular tool among software development teams. JIRA is a widely used issue tracking and project management software developed by Atlassian. The theory behind JIRA revolves around several key principles and concepts:

Issue Tracking:

At its core, JIRA is designed to help teams track tasks, bugs, features, and other issues within a project. It provides a centralized platform for capturing, organizing, and prioritizing these items.

Agile Methodologies:

JIRA supports agile methodologies such as Scrum and Kanban, enabling teams to plan, track, and deliver work in iterative cycles.

Agile principles emphasize collaboration, adaptability, and delivering value to customers.

Workflow Management:

JIRA allows teams to define custom workflows that represent the lifecycle of an issue from creation to completion. Workflows can include various statuses, transitions, and conditions to reflect the specific processes followed by the team.

Customization:

One of the key strengths of JIRA is its flexibility and customization options. Teams can tailor JIRA to their specific needs by creating custom issue types, fields, workflows, and project configurations.

Collaboration and Communication:

JIRA facilitates collaboration among team members by providing features such as commenting, mentioning, and attaching files to issues. It also integrates with other Atlassian products like Confluence and Bitbucket for seamless communication and knowledge sharing.

Reporting and Analytics:

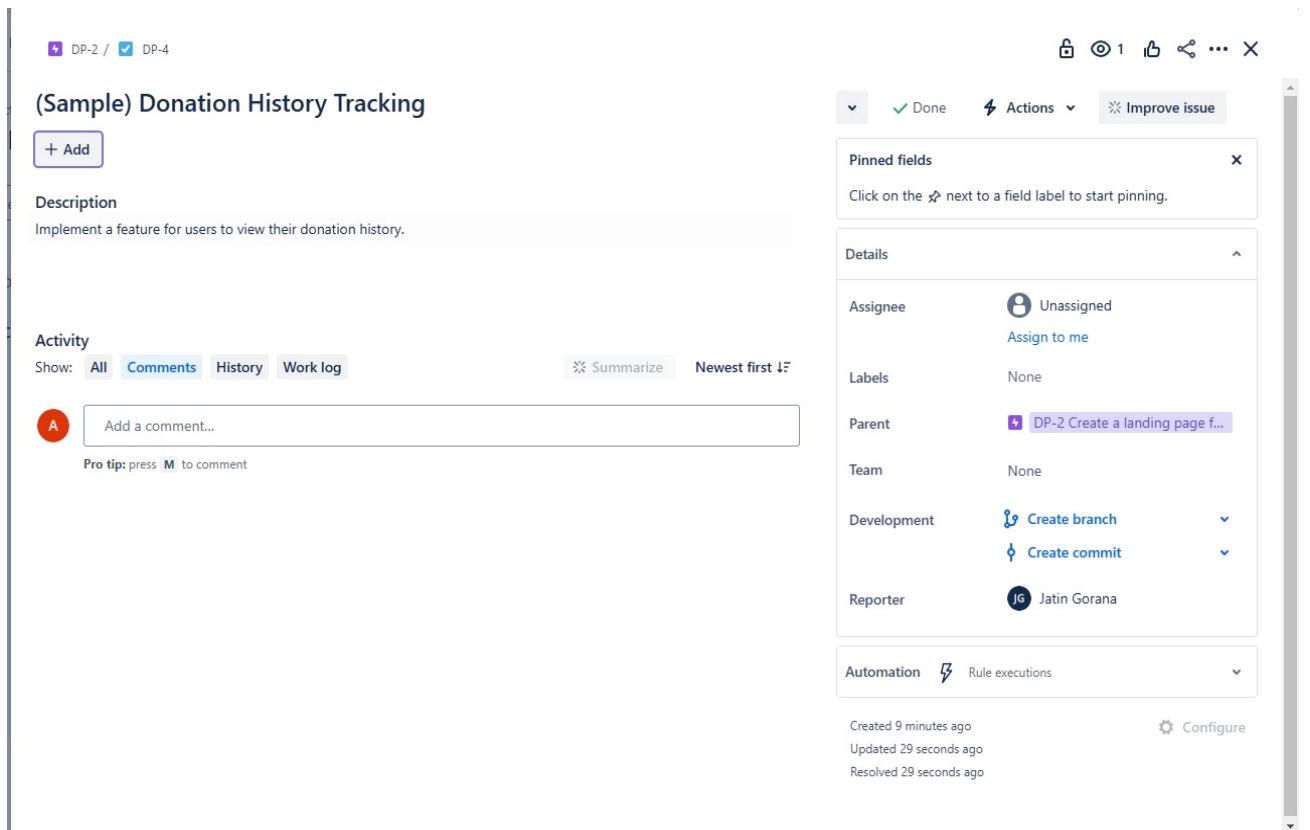
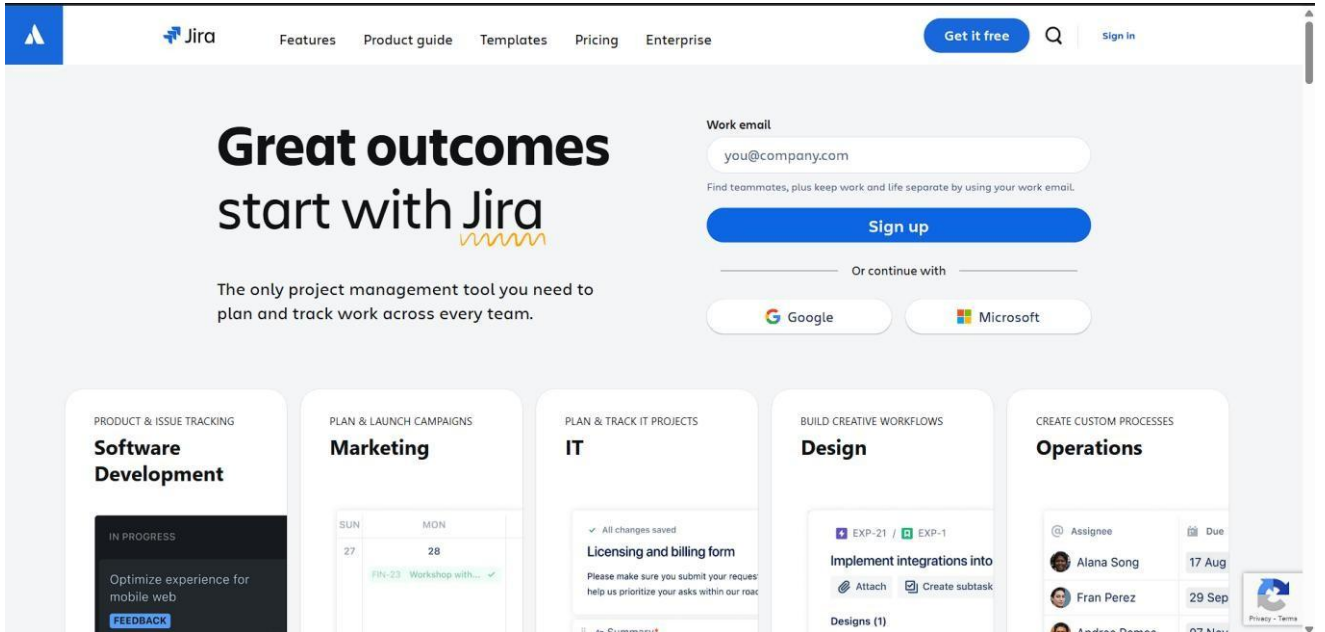
JIRA offers robust reporting and analytics capabilities, allowing teams to gain insights into their project progress, team performance, and other key metrics. Users can create custom dashboards, charts, and reports to monitor and analyze project data.

Integration:

JIRA integrates with a wide range of third-party tools and services, including development tools, CI/CD pipelines, customer support systems, and more. This integration ecosystem enables teams to streamline their workflows and improve productivity.

Scalability and Performance:

JIRA is designed to scale with the needs of growing teams and organizations. It can handle large volumes of data and users while maintaining performance and reliability.



☒ sepm project

Required fields are marked with an asterisk *

Project *

SEPM_EXPT_6 (DP)

Issue type *

Task

Status

TO DO

[Learn about issue types](#)

Summary *

sepm project

Description

Aa ... A ... + ✖

We support markdown! Try **bold**, `inline code`

☐ Create another

Create

Jira

Your work

Projects

Filters

Dashboards

Teams

Plans

Apps

Create

30 days left

Search

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⚙

+

SEPM_EXPT_6

Software project

PLANNING

Summary

Timeline

Board

List

Forms

Goals

DEVELOPMENT

Code

Project pages

Archived issues **NEW**

You're in a team-managed project

Learn more

Projects / SEPM_EXPT_6

DP board

Q Search

A

Epic

GROUP BY

None

Insights

View settings

TO DO

+ Create issue

IN PROGRESS

DONE 3

(Sample) Donation History Tracking

CREATE A LANDING PAGE FOR OUR COM...

DP-4

(Sample) Create User Registration Form

(SAMPLE) USER REGISTRATION

DP-6

Website work

CREATE A LANDING PAGE FOR OUR COM...

DP-7

Quickstart

Create a project

Create an issue

Create Issue!

Issues are individual pieces of work that you assign to teammates.

Show me View issue tutorial

Start with the basics

Invite your teammates

Connect your tools

Get the mobile app

Find help

Dismiss Quickstart

⚡ DP-2 / ✅ DP-4

(Sample) Donation History Tracking

+ Add

Description

Implement a feature for users to view their donation history.

Activity

Show: **All** Comments History Work log

⌵ Summarize Newest first ⌵



Add a comment...

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🏠 Home
📄 Status Updates

G'day, ashish720850

Apps

Show all ▾

 Jira
jatingorana

 Account settings

 Atlassian Support

 Atlassian Community

 Self-managed licensing

 Atlassian Documentation

Frequent places

 SEPM_EXPT_6
Project

Get goals early

📌 DP-7: Website work

⌵ Jira Your work ▾ Projects ▾ Filters ▾ Dashboards ▾ Teams ▾ Plans ▾ Apps ▾ Create

💎 2 days left 🔍 Search 🔔 ? ⚙️ 🔴

Projects

Create project Templates


Search Projects 🔍 Jira - software projects X Jira - business projects X ⌵


★ Name ⌵	Key	Type	Lead	Project URL	More actions
🌟  SEPM_EXPT_6	DP	Team-managed software	 Jatin Gorana		

< 1 >

Templates

Preview a template for your next project

 Advanced IT service **TRY**
Manage requests and deal with incidents

 Product roadmap **TRY**
Create custom roadmaps

More templates

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2 days left

Search

SEPM_EXPT_6
Software project

Projects / SEPM_EXPT_6

Summary

0 completed
in the last 7 days

0 updated
in the last 7 days

0 created
in the last 7 days

0 due soon
in the next 7 days

Status overview

Get a snapshot of the status of your issues. [View all issues](#)



No activity yet

Create a few issues and invite some teammates to your project to see your project activity.

Priority breakdown

Get a holistic view of how work is being prioritized. [See what](#)

Types of work

Get a breakdown of issues by their types. [View all items](#)

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Create a project

Create an issue



Issues are individual pieces of work that you assign to teammates.

Show me

View issue tutorial

Start with the basics

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Search

SEPM_EXPT_6
Software project

Projects / SEPM_EXPT_6

Timeline

Give feedback

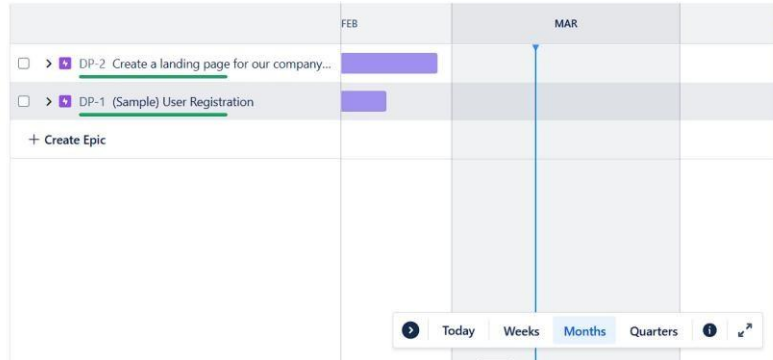
Share

Export

Search timeline

Status category

Epic



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Create a project

Map out your project goals

Identify small chunks of work

Monitor and manage risk

Create an issue



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2 days left

Search

SEPM_EXPT_6
Software project

Projects / SEPM_EXPT_6

List

Give feedback

Search list

Share Filter Group Format More

<input type="checkbox"/>	Type	# Key	Summary	Status	@ +
<input type="checkbox"/>	>	DP-2	Create a landing page for our company website	TO DO	
<input type="checkbox"/>	>	DP-1	(Sample) User Registration	TO DO	
+ Create					

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Create a project

Create an issue



Issues are individual pieces of work that you assign to teammates.

Show me

View issue tutorial

Get started with list

Dismiss Quickstart

You're in a team-managed project.
Learn more

<https://jatingorana.atlassian.net/jira/software/projects/DP/form>

PLANNING

Summary

Timeline

Backlog

Board

Forms

Goals

+ Add view

DEVELOPMENT

Code

Project pages

Project settings

Archived issues NEW

Create a new form

Blank form

Feature request

Bug report

Incident report

Recent forms



Project MyScrumProject - Task Fo...

Last edited 9 minutes ago by you

Task

Limited ...

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You're in a team-managed project
Learn more

Projects / SEPM_EXPT_6
Issues

Share Export Go to all issues LIST VIEW DETAIL VIEW

AI Search issues Project = SEPM_EXPT_6 Type Status Assignee Status Category = Done More + Reset BASIC JQL

Save filter

Created Website work
DP-7
(Sample) Create User Registration Form
DP-6
(Sample) Donation History Tracking
DP-4

3 of 3

Website work
+ Add
Description
Add a description...

Add a comment...
Can I get more info...? Status update... Thanks...

Pro tip: press M to comment

Done Done
Actions Improve issue

Details
Assignee
ashish720850
Labels
None
Parent

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You're in a team-managed project
Learn more

Projects / SEPM_EXPT_6
DP board

GROUP BY None Insights View settings

TO DO 1
There is some problem in SEPM EXP 6
DP-8
+ Create issue

IN PROGRESS 1
How to Implement Model Of ML
DP-9

DONE 1
There Is no issues
DP-10
See all Done issues

Your 30-day Premium trial

Create a project
Create an issue
Create Issue | ...
Issues are individual pieces of work that you assign to teammates.
Show me View issue tutorial
Start with the basics
Dismiss Quickstart

Conclusion: Thus, we have successfully studied agile methodology and test case management using JIRA tool and create scrum board for scrum master using JIRA tool.