

Software Engineering Lab Task 4

18-12-2024

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What is JIRA?

JIRA is a widely-used project management and issue-tracking tool developed by Atlassian. It's particularly popular in software development but is also used in various other industries to organize and manage tasks, projects, and workflows. Here's a detailed yet simple overview of its key features:

Key Features of JIRA:

1. Issue Tracking:

- **Task Management:** JIRA allows you to create, assign, and monitor tasks or issues. This helps in keeping track of who is responsible for what and the status of each task.
- **Issue Types:** Common issue types include bugs (problems in the software), stories (user requirements), tasks (general to-dos), and epics (large bodies of work that can be broken down into smaller tasks).

2. Project Management:

- **Agile Support:** JIRA supports Agile methodologies like Scrum and Kanban, which are popular frameworks for managing software development projects.
- **Management Tools:** It provides tools like boards (visual representations of work), sprints (time-boxed periods for completing work), and backlogs (lists of tasks to be done) to manage projects efficiently.

3. Customizable Workflows:

- **Tailored Processes:** Users can define workflows that are tailored to their specific processes. This means you can set up different stages for tasks, such as "To Do," "In Progress," and "Done."

- **Flexibility:** This customization allows teams to adapt JIRA to their unique workflows rather than the other way around.

4. Collaboration:

- **Team Communication:** JIRA facilitates team collaboration with features like comments, mentions, and notifications. This ensures that everyone is on the same page and can easily communicate about tasks.
- **Integrations:** It integrates with other collaboration tools like Slack, Microsoft Teams, and Confluence, making it easier to keep all project-related communications in one place.

5. Reporting:

- **Detailed Reports:** JIRA offers detailed reports and dashboards, such as burndown charts (showing remaining work over time), velocity charts (showing the amount of work completed in each sprint), and cycle time reports (showing how long tasks take to complete).
- **Insights:** These reports provide valuable insights into project progress and help in making data-driven decisions.

6. Integrations:

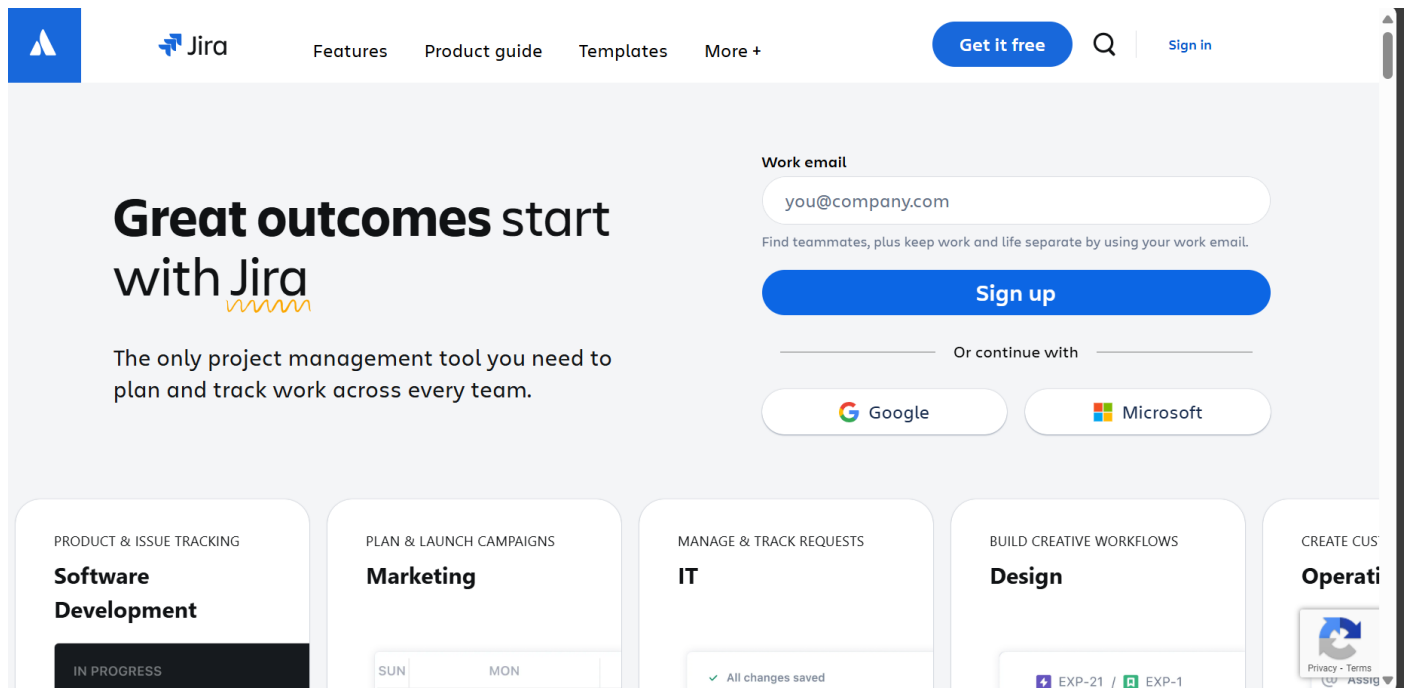
- **Tool Compatibility:** JIRA integrates with a wide range of tools, including CI/CD pipelines (for automating the software development process), version control systems (like Git), and testing tools. This ensures a seamless workflow across different stages of the project.

7. Scalability:

- **Versatility:** JIRA is suitable for small teams as well as large enterprises. It provides features for managing multiple projects and teams under a single platform.
- **Growth Support:** As your team or projects grow, JIRA can scale with you, ensuring that you don't need to switch tools as your needs change.

Starting with “JIRA”:

Step 1: Go JIRA site and link on sign up with google if new user or else sign in.



The screenshot shows the Jira sign-up page. At the top, there's a navigation bar with the Jira logo, links for Features, Product guide, Templates, and More +, a 'Get it free' button, a search icon, and a 'Sign in' link. The main content area has a large heading 'Great outcomes start with Jira' and a subheading 'The only project management tool you need to plan and track work across every team.' To the right, there's a 'Work email' input field with the placeholder 'you@company.com' and a 'Sign up' button. Below this, there's a section 'Or continue with' with buttons for Google and Microsoft. At the bottom, there are five cards representing different use cases: Software Development, Marketing, IT, Design, and Operations. Each card has a title, a brief description, and a 'Get started' button. The 'Software Development' card is highlighted with a dark background and the text 'IN PROGRESS'.

Work email

you@company.com

Find teammates, plus keep work and life separate by using your work email.

Sign up

Or continue with

Google Microsoft

PRODUCT & ISSUE TRACKING
Software Development
IN PROGRESS

PLAN & LAUNCH CAMPAIGNS
Marketing
SUN MON

MANAGE & TRACK REQUESTS
IT
All changes saved

BUILD CREATIVE WORKFLOWS
Design
EXP-21 / EXP-1

CREATE CUSTOMER EXPERIENCES
Operations
Privacy - Terms

Step 2: Click on create your account



Create your account

Email address

echavan@gitam.in

Full name

Eshwar Deshmukh Chavan 22224761101

By creating an account, I accept the Atlassian [Cloud Terms of Service](#) and acknowledge the [Privacy Policy](#).

Create your account

Already have an Atlassian account? [Log in](#)

ATLASSIAN

Step 3: Name your Site and click on continue.



Let's name your site

Your site name is part of your Jira URL. Most people use their team or company name.

Your site

eshwardeshmukhchavan

.atlassian.net



This site name is just a suggestion. Feel free to change to something your team will recognize.

Continue



Step 4: Click on the work you do



What kind of work do you do?

This helps us suggest templates that help your team do their best work.



Software development



Product management



Marketing



Design



Project management



Operations



IT support



Human resources



Customer service



Legal

Step 5: Click on option in the team plan to use JIRA and continue.



How does your team plan to use Jira?

<input checked="" type="checkbox"/> Map work dependencies	<input checked="" type="checkbox"/> Run sprints
<input checked="" type="checkbox"/> Work in scrum	<input checked="" type="checkbox"/> Manage tasks
<input checked="" type="checkbox"/> Prioritize work	<input checked="" type="checkbox"/> Track bugs

Back

Continue

Step 6: Enter your project name and click on option how familiar are you with JIRA and get started.

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Welcome!

Your first project is ready to kick off. It's where you'll track tasks across teams, turning big ideas into real outcomes.

Name your project

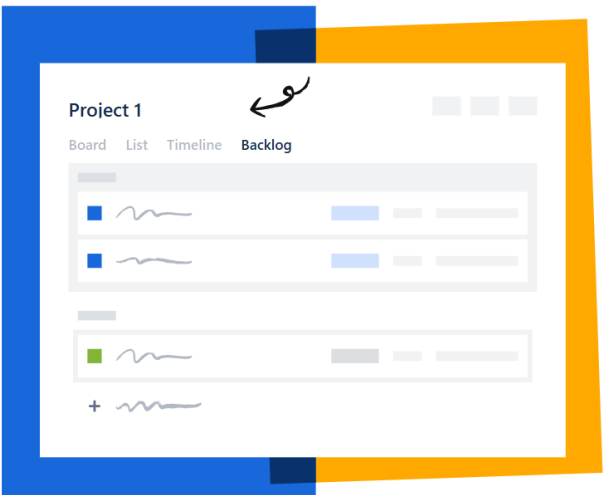
How familiar are you with Jira? *

☒ Not familiar

☐ Somewhat

☐ Familiar

Get started

A screenshot of the Jira project setup screen. It shows a 'Project 1' card with a blue header and a yellow border. The card displays a 'Board' view with a list of tasks, each represented by a colored square and a wavy line. A cursor is pointing to the 'Project 1' title. The background is a light gray with a blue sidebar on the left.

Step 7: Create Issue in JIRA and click on create.

The screenshot shows the Jira 'Create Issue' modal. The modal is titled 'Issue 1' and contains the following fields:

- Project:** Project 1 (SCRUM)
- Work type:** Bug
- Status:** TO DO
- Summary:** Issue 1
- Description:** Solve issue 1

At the bottom of the modal, there is a 'Create' button and a checkbox labeled 'Create another'. The background shows the 'Backlog' view of 'Project 1' with a search bar and a list of items including 'SCRUM Sprint 1' and 'SCRUM-9'.

Step 8: Add task or Issues to your timeline and set deadlines.

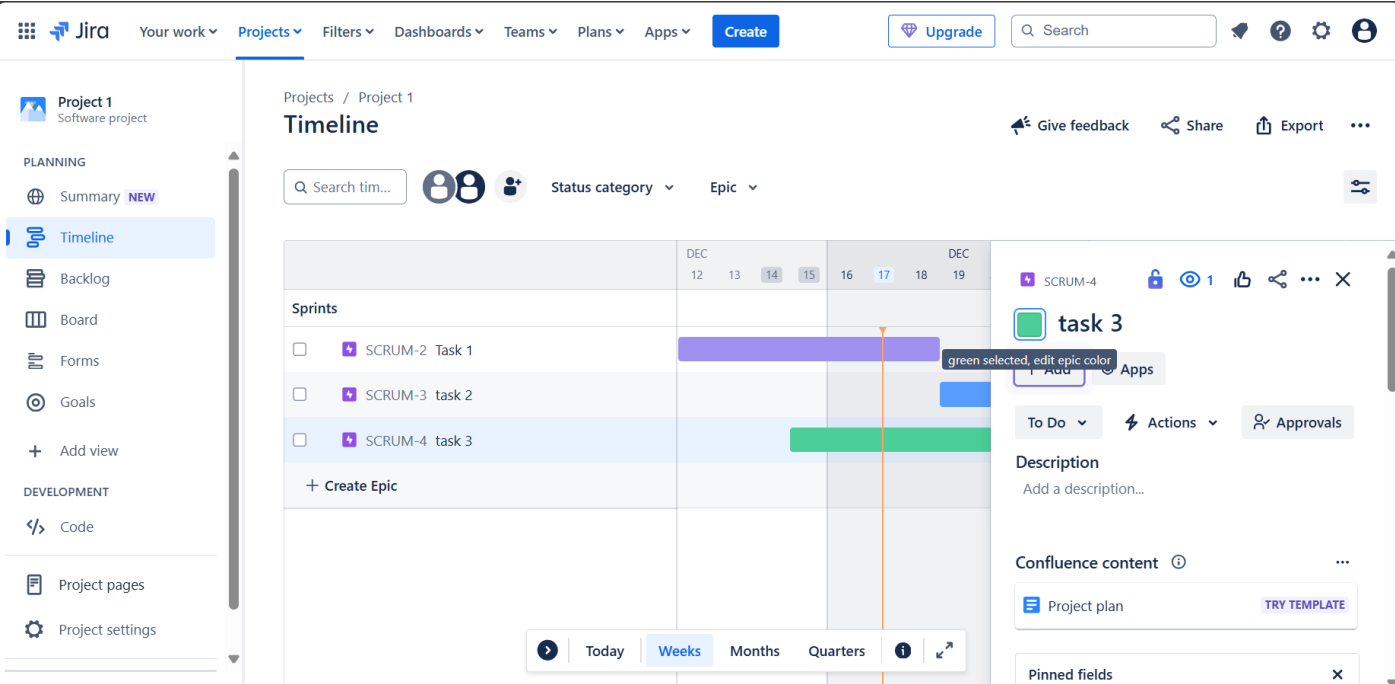
The screenshot shows the Jira 'Timeline' view. The timeline is titled 'Timeline' and displays a calendar view for December. A task named 'SCRUM-2 Task 1' is shown as a purple bar spanning from December 14th to December 17th. The task is associated with the 'SCRUM-2' epic.

On the right side, the 'Task 1' details panel is visible, showing the following information:

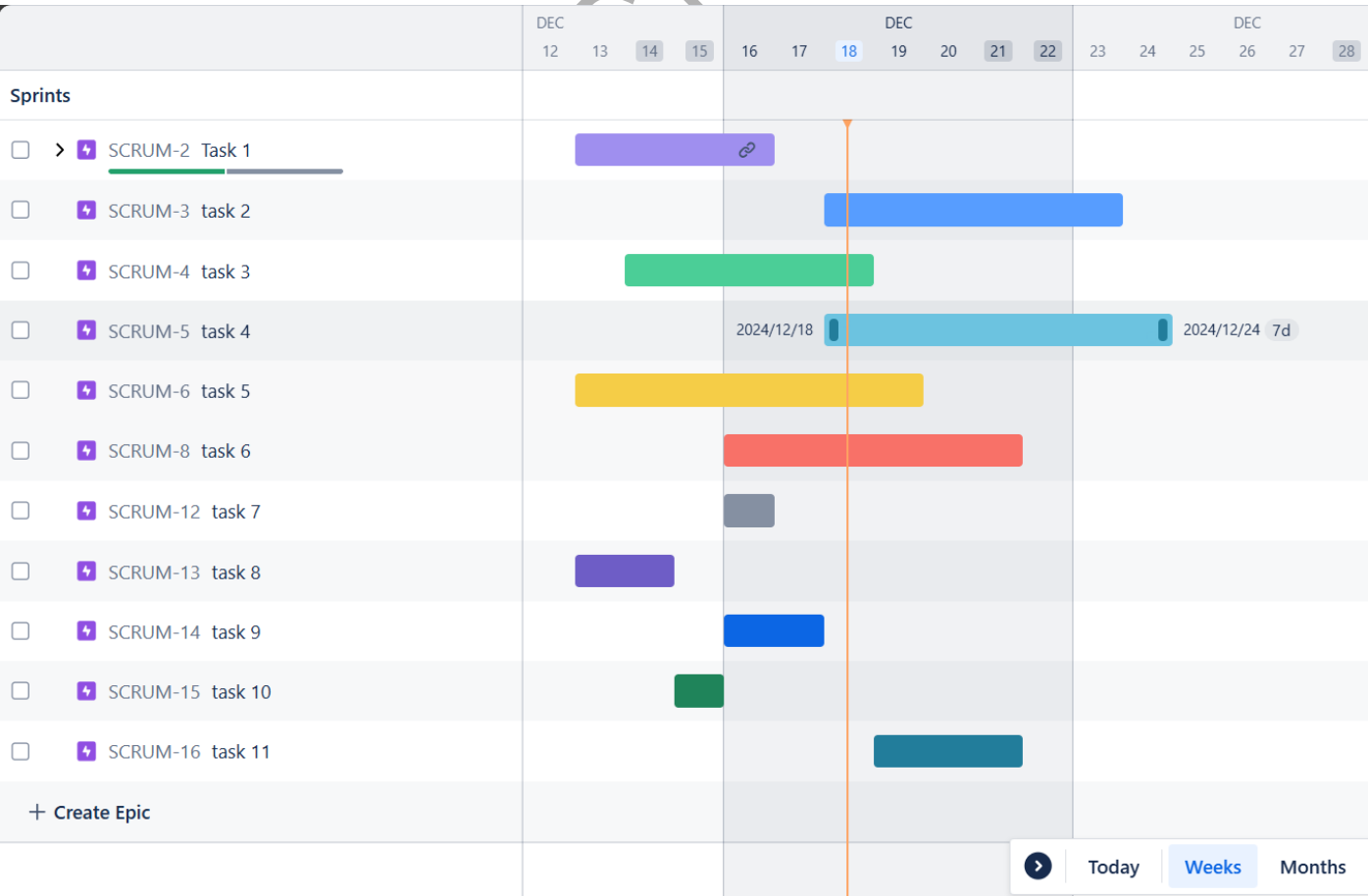
- Task 1**
- Description:** Add a description...
- Confluence content:** Project plan

The background shows the 'Timeline' view of 'Project 1' with a search bar and a list of items including 'SCRUM-2 Task 1'.

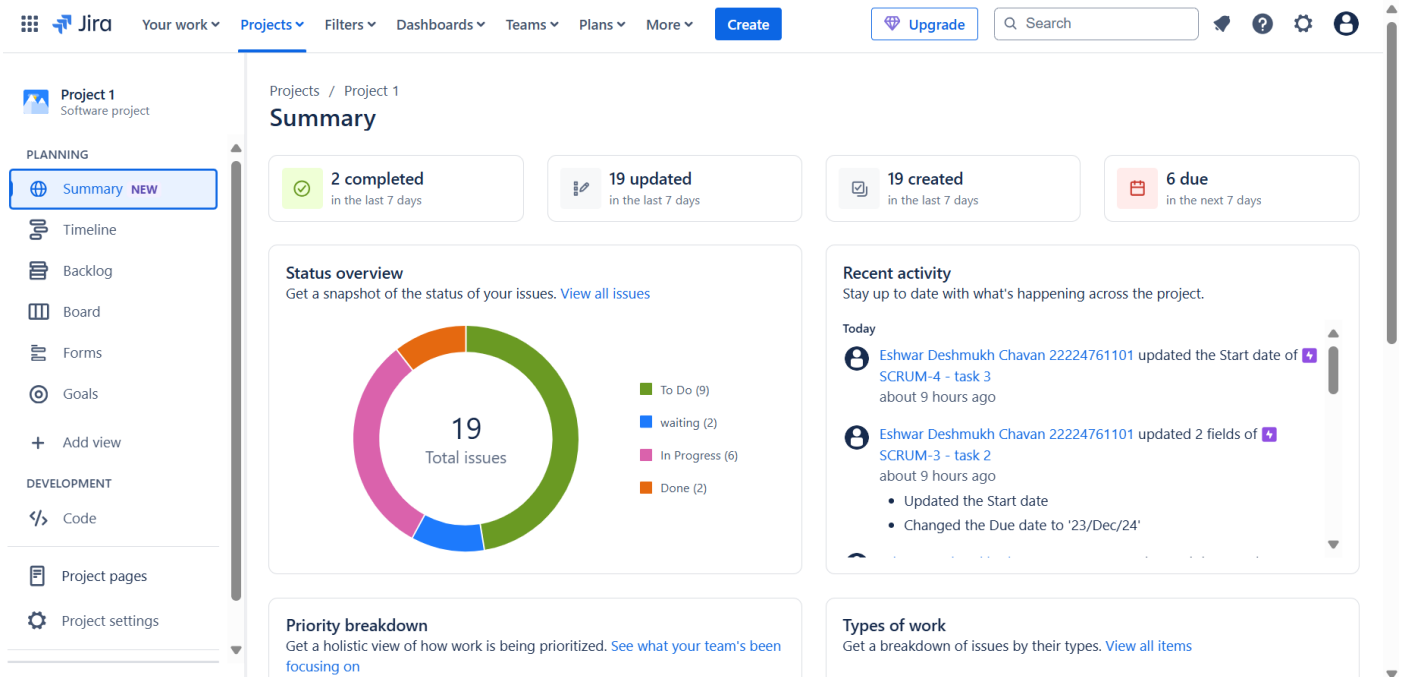
Step 9: Add multiple task to your timeline and change the color in the timeline.



Step 10: Adding all your work in the timeline.



Step 11: Summary of the Project.



Step 12: Invite your team members To JIRA and click on Add person.

