

Jira Research Report

Introduction

Jira is Atlassian's work-management and issue-tracking platform with first-class Agile boards, reports, automation, and a large app marketplace. It's available primarily as a cloud service (with REST APIs and native dev-tool integrations) and is broadly used across enterprises.

Redmine is a free, open-source project/issue tracker built on Ruby on Rails. Out of the box it supports multi-project management, flexible workflows and permissions, Gantt & calendar views, time tracking, per-project wikis/forums, multiple databases, and 49 UI languages. It is typically self-hosted (though third-party hosting exists). Licensed under GPLv2.

Similarities

- **Core issue tracking & workflows** (custom statuses/fields, role-based permissions).
- **Multi-project management.**
- **APIs for integration/automation:** Jira (Cloud & Data Center) has extensive REST APIs; Redmine exposes JSON/XML REST endpoints.
- **Notifications & feeds** (email/RSS) and **time tracking** capabilities.
- **Plugin ecosystems** to extend the base product (Atlassian Marketplace / Redmine Plugins directory).

Differences

A. Licensing & Cost

- **Jira (Cloud):** Proprietary; Free plan (up to 10 users), then paid tiers (e.g., Standard, Premium, Enterprise) on a per-user basis. Pricing is tiered and varies by region.
- **Redmine:** Open source, **no license fees** (GPLv2). You still bear hosting/ops costs; many teams use commercial hosts if they don't want to run it themselves.

B. Deployment model

- **Jira:** Cloud is the focus. Atlassian announced it is **sunsetting Data Center** products on a phased timeline:
 - **Mar 30, 2026** – end of new Data Center subscriptions for new customers
 - **Mar 30, 2028** – last date for existing customers to purchase new DC licenses/apps/expansions
 - **Mar 28, 2029** – Data Center end-of-life (licenses become read-only), with security updates provided through the period.

Cloud scale has grown and **Jira Cloud now supports up to 100,000 users** on a single site.

- **Redmine:** Designed for **self-hosting** (Linux/Unix/macOS/Windows; MySQL/PostgreSQL/SQLite). Turn-key installers and managed Redmine hosting are available from third parties (e.g., Bitnami images; Planio).

C. Agile capabilities

- **Jira:** Scrum & Kanban boards are **built-in**, with sprint/board reports (Burndown, Velocity, etc.).

- **Redmine:** Core includes Gantt & calendar; **Agile boards/charts typically require plugins** (e.g., RedmineUP Agile or community Kanban).

D. Automation & query language

- **Jira:** Visual **Automation** rules (Cloud) and **JQL** advanced search are core differentiators.
- **Redmine:** No native equivalent to JQL/Automation; extensibility achieved via plugins, custom fields, and API scripts.

E. Integrations & ecosystem

- **Jira:** Deep, supported integrations with **GitHub/GitLab**, Bitbucket, CI/CD, and thousands of Marketplace apps (Atlassian cites **5,700+** apps).
- **Redmine:** Built-in SCM viewing for Git/Subversion/etc.; many third-party plugins add Agile, CRM, helpdesk, etc. (quality varies; often needs admin effort).

F. Security/compliance & identity

- **Jira Cloud:** Enterprise SSO (SAML) and **SCIM** user provisioning via **Atlassian Guard**; data residency options are expanding.
- **Redmine:** As self-hosted software, security & compliance are **your team's responsibility** (server hardening, backups, SSO via plugins/proxies if needed). (General capability per Redmine architecture and plugin model.)

When to Choose One Over Another

Choose Jira when you need:

- **Managed cloud at scale** with native Agile boards/reports, and minimal ops overhead. (Built-in Scrum/Kanban, Burndown/Velocity, 100k-user scale.)
- **Turn-key integrations** (GitHub/GitLab/CI/CD), plus a very large **Marketplace** of supported apps.
- **Enterprise controls** (SSO/SAML, SCIM provisioning, auditability) and a published cloud roadmap/compliance posture.
- A vendor-led path forward (notably as Atlassian phases out Data Center in favor of Cloud).

Choose Redmine when you need:

- **Full control / on-premise** deployment with **no license fees** and the ability to modify the source code.
- A **lightweight core** (issues, time tracking, wiki, Gantt) you can extend with plugins, and you're comfortable owning server maintenance (or contracting a Redmine host).
- **Multi-language** teams (49 languages) or specific DB/OS requirements.

Total Cost of Ownership (TCO):

- **Jira:** Predictable subscription costs + paid Marketplace apps as needed; low infra/ops overhead in Cloud.
- **Redmine:** \$0 license, but expect infra/DevOps time, upgrades, backups, and possibly commercial plugins or managed hosting.

Jira vs. Redmine: Side-by-Side Comparison

1. Redmine's Overview page vs Jira's Summary page

HomeMy pageProjectsHelp

G11-2025-Final Project

Search:G11-2025-Final Project

OverviewActivityIssuesSpent timeGanttCalendarNewsDocumentsWikiFilesSettings

Overview

"Multi-projector system"

Issue tracking

	open	closed	Total
Bug	1	3	4
Feature	36	5	41
Support	0	0	0

View all issues | Summary | Calendar | Gantt

Time tracking

Estimated time: 156.00 hours

Spent time: 1.00 hour

Log time | Details | Report

Members

Developer: Koki HAMAMURA, Anderson PHILLIP, Great Gilbert, Cansancio SOCO, Haziq Bin Alrol Hairrie AMIRUL, HNIN Ei Shwe Yee, JiaJun DENG, Jordan Keiwein LAY, Noah LARSON, Nonoka OHAMA, Sota YATSUGI, Wing Sum TANG, Yuki SHIRAMIZU, Zhi Jie YEW

pbl4

4 completed
in the last 7 days

24 updated
in the last 7 days

24 created
in the last 7 days

4 due soon
in the next 7 days

Status overview

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

24
Total work item...

Idea: 12

Done: 4

In Review: 1

In Progress: 7

Recent activity

Stay up to date with what's happening across the space.

Today

Yew Zhi Jie updated field "status" on [KAN-15: doxygen documentation](#) [IN PROGRESS](#) 7 minutes ago

Yew Zhi Jie changed the Priority from [Medium](#) to [Low](#) on [KAN-21: fix projector settings](#) [IDEA](#) 8 minutes ago

Yew Zhi Jie changed the Priority from [Medium](#) to [Lowest](#) on [KAN-9: turn the alpha blender code into a class](#) [IN PROGRESS](#)

Priority breakdown

Get a holistic view of how work is being prioritized. [How to manage priorities for spaces](#)

15

10

5

0

Highest

High

Medium

Low

Lowest

Types of work

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

Type

Distribution

Feature

95%

Bug

Epic

Task

Asset

Redmine's overview page is static and text based, showing only issue tracker, members, and time tracking. Jira's summary is more visual with customizable widgets showing tasks progress, recent activities, priority breakdown, etc.

2. Redmine's Activity & Issues page vs. Jira's List page

HomeMy pageProjectsHelp

G11-2025-Final Project

Search:G11-2025-Final Project

OverviewActivityIssuesSpent timeGanttCalendarNewsDocumentsWikiFilesSettings

Activity

From 10/08/2025 to 11/06/2025

Today

03:00 PM Feature #1458 (Resolved): Finish the video_processor documentation
Noah LARSON

02:59 PM Feature #1458 (Resolved): Finish the video_processor documentation
Haziq finished the video_processor documentation
Noah LARSON

03:00 PM Feature #1457 (Resolved): Finish GUI documentation
Noah LARSON

02:58 PM Feature #1457 (Resolved): Finish GUI documentation
Jordan finished the GUI documentation
Noah LARSON

02:59 PM Feature #1456 (Resolved): Finish main class documentation
Noah LARSON

02:57 PM Feature #1456 (Resolved): Finish main class documentation
Jordan finished main class documentation
Noah LARSON

02:59 PM Feature #1455 (Resolved): Finish config_reader documentation
Noah LARSON

02:54 PM Feature #1455 (Resolved): Finish config_reader documentation
Hazel finished the config_reader
Noah LARSON

02:59 PM Feature #1454 (Resolved): Finish main_alpha_blender documentation
Noah LARSON

02:49 PM Feature #1454 (Resolved): Finish main_alpha_blender documentation
Hazel finished the main_alpha_blender documentation
Noah LARSON

02:43 PM video_processor.py
Zhi Jie YEW

02:43 PM main.py
Zhi Jie YEW

02:43 PM main_alpha_blender.py
Zhi Jie YEW

Activity

☒ Issues

☒ Changesets

☒ News

☒ Documents

☒ Files

☐ Wiki edits

☐ Messages

☐ Spent time

Apply

HomeMy pageProjectsHelp

G11-2025-Final Project

Search:G11-2025-Final Project

OverviewActivityIssuesSpent timeGanttCalendarNewsDocumentsWikiFilesSettings

Issues

New issue ...

Filters

Status

open

Tracker

is

Bug

Add filter

Options

Apply

Clear

Save

#	Tracker	Status	Priority	Subject	Assignee	Updated
1441	Bug	New	High	Wrong projector settings	Great Gilbert Cansancio SOCO	10/30/2025 02:59 PM

(1-1/1)

Also available in: Atom | CSV | PDF

Recent activity

Stay up to date with what's happening across the space.

Today

YJ

Yew Zhi Jie created

🚫

KAN-24: wrong projector settings

IDEA

7 minutes ago

YJ

Yew Zhi Jie updated field "Rank" on

📄

KAN-23: add UML to the wiki page

e IDEA

9 minutes ago

YJ

Yew Zhi Jie created

📄

KAN-23: add UML to the wiki page

IDEA

9 minutes ago






 Filter

Group
 

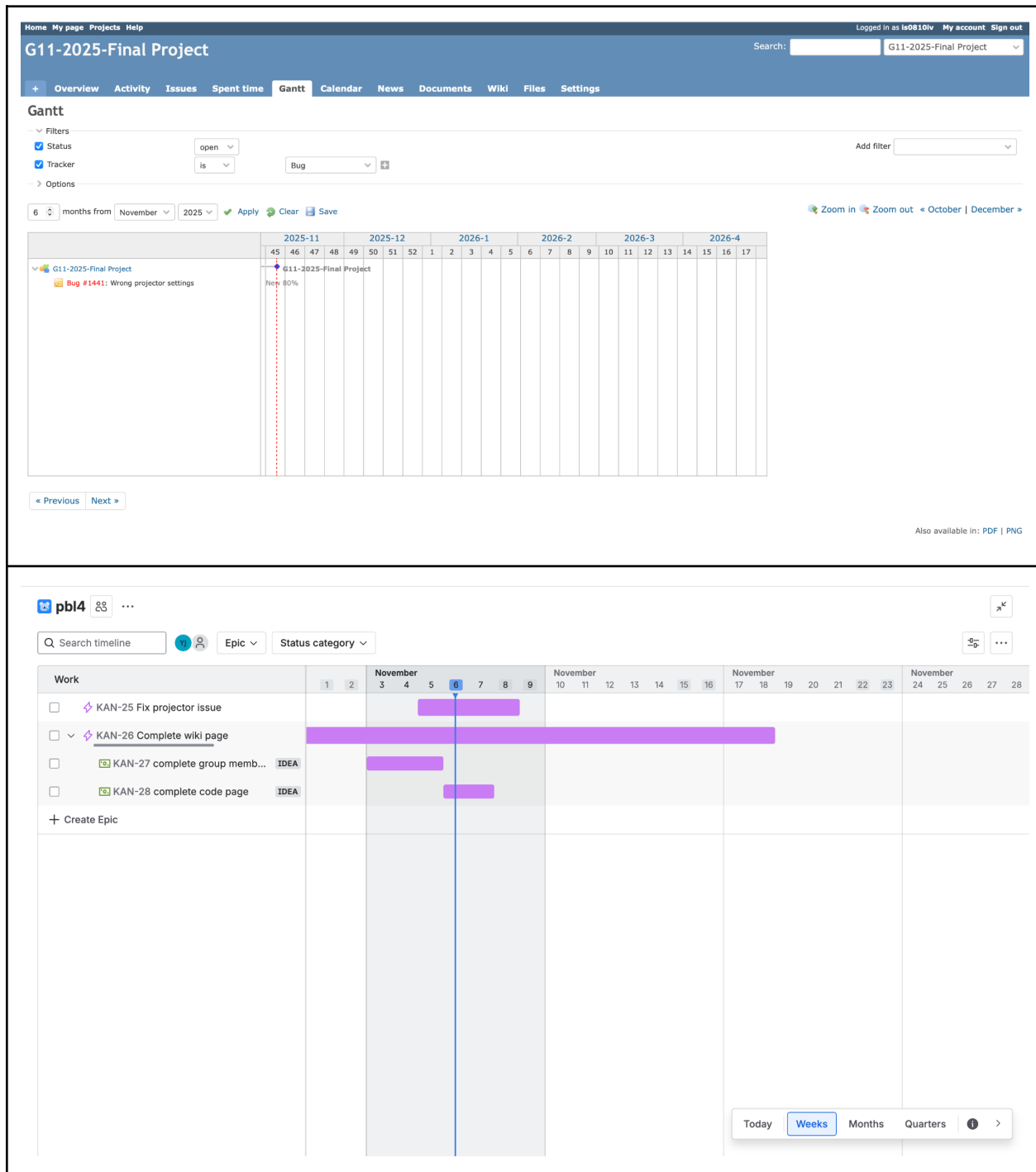

☐	Type ↓	Key	Summary	Status	Assignee	Due date	Priority	Comments	+
☐		KAN-15	doxygen documentation	IN PROGRESS		Nov 7, 2025	Medium	 Add comment	
☐		KAN-14	create welcome page	IDEA		Nov 12, 2025	Medium	 Add comment	
☐		KAN-22	add images to all the wiki pages	IN PROGRESS		Nov 10, 2025	Highest	 Add comment	
☐		KAN-23	add UML to the wiki page	DONE	 Yew Zhi Jie	Nov 6, 2025	Medium	 Add comment	
☐		KAN-21	fix projector settings	IN PROGRESS	 Yew Zhi Jie	Nov 11, 2025	Low	 Add comment	
☐		KAN-19	turn the alpha blender code into a class	IN PROGRESS		Nov 16, 2025	Medium	 Add comment	
☐		KAN-20	creating a GUI	IN REVIEW	 Yew Zhi Jie	Nov 27, 2025	High	 Add comment	
☐		KAN-17	update the JSON file structure and JSON reader	IN PROGRESS	 Yew Zhi Jie	Nov 17, 2025	Medium	 Add comment	
☐		KAN-18	fix the projector issues	DONE		Nov 25, 2025	Low	 Add comment	
☐		KAN-16	worked on the jira research report	DONE		Nov 18, 2025	Low	 Add comment	
☐		KAN-10	research about jira	DONE		Nov 18, 2025	Medium	 Add comment	
☐		KAN-9	turn the alpha blender code into a class	IN PROGRESS		Nov 13, 2025	Lowest	 Add comment	
☐		KAN-13	worked on the jira research report	IN PROGRESS			Medium	 Add comment	
☐		KAN-12	doxygen documentation	IDEA	 Yew Zhi Jie		Medium	 Add comment	
☐		KAN-11	create welcome page	IDEA			Medium	 Add comment	

+ Create

Redmine has Activity and Issues page separated, with Activity page showing timeline of all recent activities such as issue updates, and using Issues page to track, create, view, search, filter issues.

In Jira, there is a Recent Activities widget on the Summary page that shows all recent activities, similar to the Activity page on Redmine. There is also a List page which combines both activities and issues, showing all tasks, issues, bugs, etc. and also lets you track, create, view, search, and filter them. You can also change priority, due date, and add comments. Jira has a more user-friendly and intuitive user interface.

3. Redmine's Gantt page vs. Jira's Timeline page



Redmine has a Gantt Chart page which displays issues on a timeline by start/due dates. Jira's Timeline page is similar, but also shows Features, Tasks, Bugs, and you can also create tasks directly on the Timeline page.

4. Redmine's Calendar page vs. Jira's Calendar page

The image compares two project management calendar interfaces. The top interface is Redmine's, showing a monthly calendar for 'G11-2025-Final Project' with a single bug entry. The bottom interface is Jira's, showing a weekly calendar for 'pbl4' with multiple tasks categorized by type (bug, feature, etc.).

Redmine Calendar (Top):

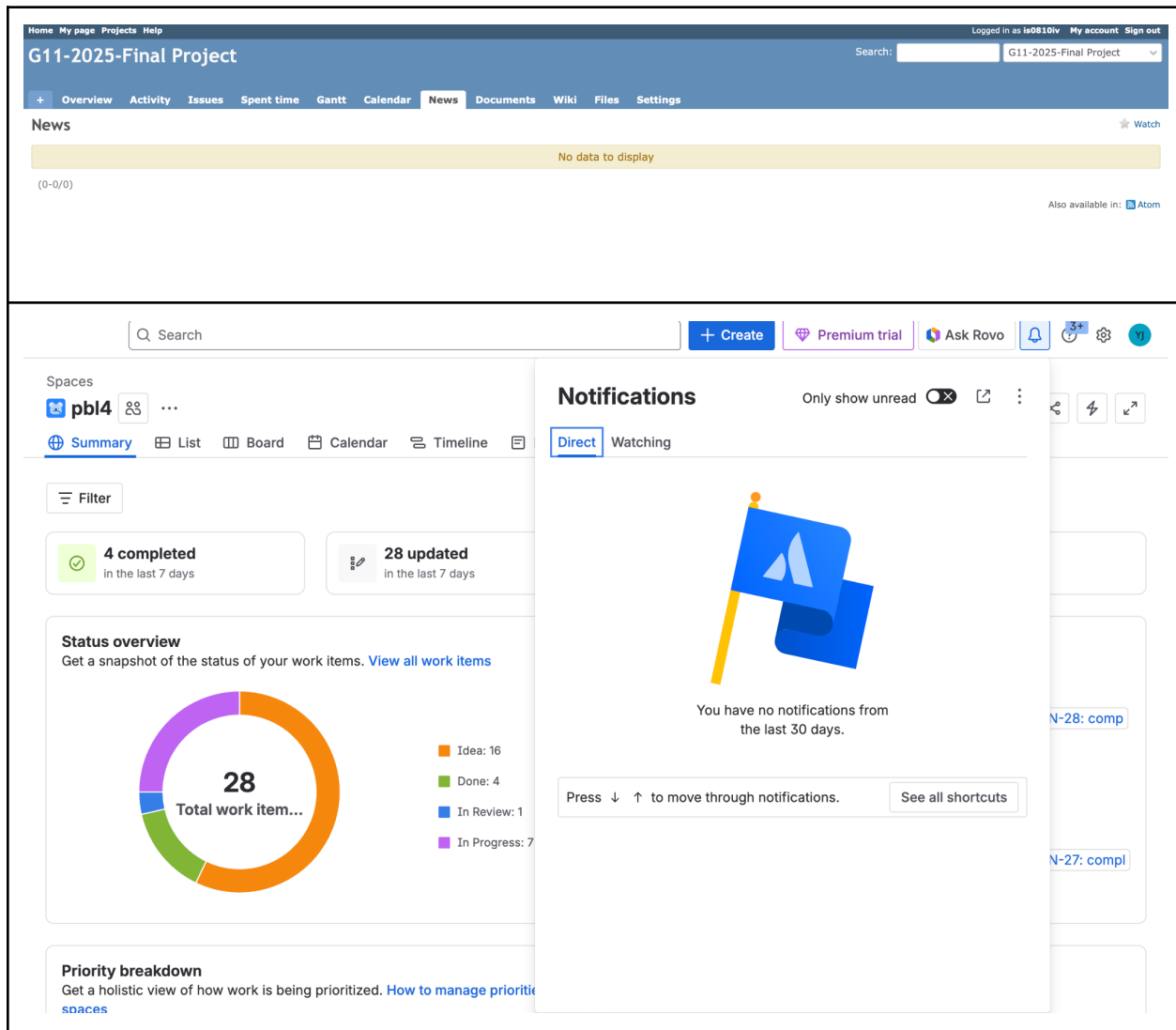
- Project: G11-2025-Final Project
- Calendar view: Monthly (November 2025)
- Filters: Status (open), Tracker (Bug)
- Calendar grid shows dates 26-29. A bug entry is visible on Thursday, 29th: Bug #1441: Wrong projector settings.

Jira Calendar (Bottom):

- Project: pbl4
- Calendar view: Weekly (Nov 2025)
- Filters: Search calendar, Assignee, Type, Status, More filters
- Calendar grid shows tasks for Monday through Friday. Tasks include: KAN-26 Complete wiki page, KAN-27 complete group member page, KAN-25 Fix projector issue, KAN-28 complete code page, KAN-23 add UML to the wiki p..., KAN-15 doxygen documentation, KAN-22 add images to all the wiki..., KAN-21 fix projector settings, KAN-14 create welcome page, KAN-9 turn the alpha blender cod..., KAN-17 update the JSON file s..., KAN-19 research about jira, KAN-16 worked on the jira resear..., KAN-18 fix the projector issues, KAN-20 creating a GUI.

Redmine's Calendar page shows a monthly layout of bugs and features, but only one at a time. Jira's Calendar page is similar but shows all work types, including bugs, features, assets, epics, subtasks, and you can choose to filter for certain types.

5. Redmine's News page vs. Jira's Notification tab



Redmine has a News page for posting updates, announcements, and change logs. However, you have to manually post.

Jira integrated this feature as a Notification tab in the Summary page. It also automatically sends notifications when a deadline is near or when a work item is overdue.

6. Redmine's Wiki page vs. Jira's Confluence page

The image displays two screenshots side-by-side, comparing a wiki page from Redmine (top) with a meeting notes page from Jira's Confluence (bottom).

Redmine Wiki Page (Top):

- Header:** "G11-2025-Final Project" with navigation links: Home, My page, Projects, Help. A search bar and user info (Logged in as i0810lv, My account, Sign out) are on the right.
- Sub-headers:** Overview, Activity, Issues, Spent time, Gantt, Calendar, News, Documents, Wiki (selected), Files, Settings.
- Content:** A diagram titled "Multi-Projector System" showing two projectors on a stand labeled "G11". Below the diagram is the text "Team G11 · Semester 2025".
- Contents:** A list of links: Project Details, Group Members, UML Diagrams, Codes, Results.
- Project Overview:** A section with a "Problem" statement: "Two projectors produce overlapping images on a planar screen, creating luminance non-uniformity (the shared region appears brighter)." and an "Approach" statement: "Detect the overlap and apply spatially smooth alpha-blending masks whose weights vary linearly from 1 to 0 across the overlap band." The "Deliverable" is: "A minimal, reproducible still-image prototype implemented in Python (OpenCV)."
- Wiki Sidebar:** Links for Start page, Index by title, and Index by date.

Jira Confluence Page (Bottom):

- Header:** "Confluence" with a search bar, "+ Create" button, and "Upgrade" button.
- Left Sidebar:** Navigation menu with links: For you, Recent, Starred, Spaces, Apps, Yew Zhi Jie, Shortcuts, Content, Search by title, Getting started in Confluence..., 2025-11-06 Meeting notes (DRAFT), Create, 99 Blogs, Calendars, Company hub, Jira, Teams, More, and an "Invite people" button.
- Main Content Area:** A meeting notes page titled "2025-11-06 Meeting notes" by "Yew Zhi Jie". It includes sections for "Date" (Nov 6, 2025), "Participants" (Yew Zhi Jie), "Goals" (List goals for this meeting (e.g., Set design priorities for FY27)), "Brainstorm" (Type /whiteboard to create an interactive canvas for icebreakers, brainstorming, diagramming, retros, and more), and "Discussion topics".
- Right Sidebar:** A vertical toolbar with icons for commenting, adding content, and other actions.

Redmine's wiki page is a lightweight, text based documentation tool that requires users to format content using markup languages like HTML. Jira's equivalent for this is called Confluence, which offers a modern, "what you see is what you get" editor similar to Google Docs, allowing users to type, format, and embed media directly without needing markup.

7. Redmine's File page vs. Jira's issue-based file attachment

The image compares two software interfaces for file management. The top screenshot shows Redmine's 'Files' page for a project named 'G11-2025-Final Project'. It features a table with columns for File, Date, Size, D/L, and Checksum. The bottom screenshot shows Jira's interface for a workspace named 'pbl4'. It displays a list of Kanban items with columns for Type, Key, Summary, and Status. A context menu is open over the 'doxygen documentation' item, showing options like 'Add attachment', 'Add web link', 'Live Doc', 'Page', 'Whiteboard', 'Video', and 'Medium'.

Redmine Files Table:

File	Date	Size	D/L	Checksum
config_reader.py	11/06/2025 02:43 PM	1.76 KB	0	SHA256: b3b09f95d11c2b87d7117b271204525b90091acba0f8caad17edar71a249768
Doxygen HTML.zip	11/06/2025 04:05 PM	261 KB	0	SHA256: 680b91c8d1bdec9f979aedea46fca3a2b65dbf105b4d72bd15dedd9bb573bd
gui.py	11/06/2025 02:43 PM	12.6 KB	0	SHA256: 2731f95838b96ba16b937092466304b07f103db7d51b44e30189c5766a63392
main_alpha_blender.py	11/06/2025 02:43 PM	5.51 KB	0	SHA256: 8bad904da6f6ea3ad25b97bd7964aa6be85b0897096ac3c9d61bd0da643f2b2
main.py	11/06/2025 02:43 PM	248 Bytes	0	SHA256: d936f15954b2e5b111323aad685baac2602081be41eef780ea904c484b5784e
PBL 4 Roles-2.pdf	10/23/2025 03:39 PM	64.5 KB	14	SHA256: ae7cadfc490068c065d56b2978b41bebb90b2e5719d7764b29f49103ef3162e6
video_processor.py	11/06/2025 02:43 PM	6.71 KB	0	SHA256: 9925dc56b2b71a024350ace408ff56f0d3af8cd34e7430f22a0caa6215d17228

Jira Kanban List:

Type	Key	Summary	Status
Task	KAN-15	doxygen documentation	IN PROGRESS
Task	KAN-14	create welcome page	IDEA
Task	KAN-22	add images to all the wiki pages	IN PROGRESS
Task	KAN-23	add UML to the wiki page	DONE
Task	KAN-21	fix projector settings	IN PROGRESS
Task	KAN-19	turn the alpha blender code into a class	IN PROGRESS
Task	KAN-20	creating a GUI	IN REVIEW
Task	KAN-17	update the JSON file structure and JSON reader	IN PROGRESS
Task	KAN-18	fix the projector issues	DONE
Task	KAN-16	worked on the jira research report	DONE
Task	KAN-10	research about jira	DONE
Task	KAN-9	turn the alpha blender code into a class	IN PROGRESS

Redmine has a dedicated File page which lets you upload and manage all files in one centralized location.

Jira does not provide a standalone file repository. Instead, files are uploaded and stored as attachments within individual work items, meaning each file is tied to a specific task, bug, or feature.

Comparison Table

	REDMINE	JIRA
Primary Focus	General-purpose project and issue tracking	Agile project management (Scrum, Kanban, etc.)
Use Case	Broader use: software, IT, research, operations	Software development, DevOps, agile teams
Customization	Extremely flexible; open-source, so you can modify almost any part	High-level customization but within Jira's framework (limited by Atlassian's structure)
Workflow Editing	Basic workflow customization via configuration files or admin UI	Visual workflow editor (drag-and-drop transitions, conditions, validators)
Plugins/Add-ons	Community-driven plugins (free, open-source)	Huge marketplace (Atlassian Marketplace) with many paid add-ons
License	Open-source (free, GNU GPL v2)	Proprietary (paid, subscription-based)
Deployment	Self-hosted by default; some third-party cloud providers	Cloud (Atlassian Cloud) or self-hosted (Jira Data Center)
Cost	Free (you only pay for your hosting/server)	Requires payment per user/month
Issue Tracking	Standard issue tracking (custom fields, statuses, priorities)	Very detailed (custom issue types, subtasks, transitions)
Agile Boards	Needs plugins like Redmine Agile	Built-in Scrum and Kanban boards
Time Tracking	Built-in but simpler; can be extended	Built-in with reports
Gantt Charts / Roadmaps	Via plugins (e.g., redmine_gantt)	Built-in
Wiki / Forums	Built-in wiki and forum for collaboration	No native wiki, but integrates with Confluence
Integration	Integrations available but more manual setup	Strong integration with GitHub, Bitbucket, Slack, etc.
UI Design	Simple, lightweight, minimalistic	Modern, interactive, but heavier
Ease of Use	Easier to grasp but less polished	Steeper learning curve (many features)
Updates & Patches	Community updates (manual for self-hosted)	Maintained by Atlassian (automatic for Cloud)
Data Privacy	Full control if self-hosted	Managed by Atlassian (Cloud)

Conclusion

While Jira and Redmine both satisfy core requirements for multi-project issue tracking and collaboration, they reflect distinct design priorities. Jira's cloud-centric ecosystem emphasizes rapid time-to-value through native Agile tooling, rich automation (e.g., advanced querying), and a curated marketplace, alongside enterprise governance, identity, and compliance features, benefits that come with recurring subscription costs and platform dependence. Redmine, as a GPL-licensed, self-hosted solution, privileges infrastructural control, source-level extensibility, and zero license fees, but shifts responsibility for reliability, security hardening, upgrades, and feature coverage (often via plugins) to the adopting organization. Consequently, Jira tends to be the stronger choice where speed of rollout, vendor support, and standardized guardrails are paramount, whereas Redmine is well-suited to teams that value data sovereignty, deep customization, and cost discipline and possess sufficient DevOps capacity to manage the stack. The superior option is therefore contingent on context-specific constraints, including regulatory obligations, integration needs, total cost of ownership, and the maturity of internal operational capabilities.