Team 7 - AI-based Shopping Comparison system

HARSHIT RAJ 21BBS0219

SHIFA KHAN 21BBS0255

RAGHAV GOEL 21BBS0230

SAHIL SETHI 21BBS0215

SAI HARSHITH 21BBS0246

JAIADITYA 21BBS0226

Project Management Tool Report for AI-Based Shopping Comparison System

Jira, being a versatile project management tool, can be effectively utilized in an AI-based shopping comparison project. Create a project roadmap in Jira, outlining the key milestones, deliverables, and timelines for the development and implementation of the AI-based shopping comparison system. Use Jira's issue-tracking system to manage user stories and requirements. Break down the functionalities of the AI-based shopping comparison system into manageable tasks and user stories.

So, in short here is what Jira as a project management tool is useful for:
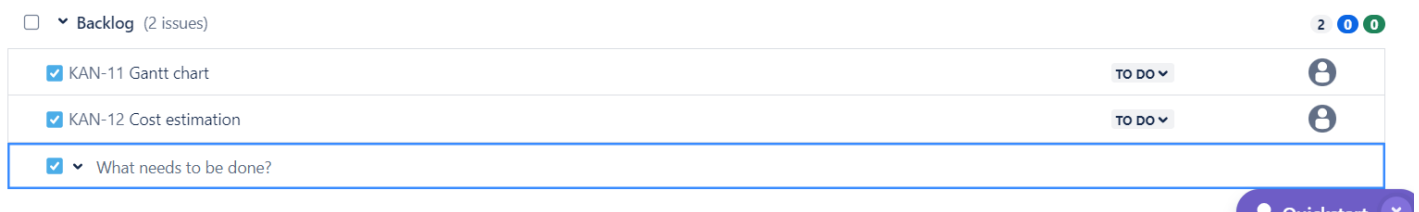
- Allows for agile project management using a Scrum or Kanban board
- Offers customizable workflows and fields for projects
- Allows for team collaboration, including mentions and notifications
- Offers a variety of reporting and analytics features
- Has integrations with other tools such as GitHub and Confluence

Effectiveness

Jira has proven to be an indispensable asset in managing the AI-Based Shopping Comparison System project effectively throughout the semester. Its multifaceted features and adaptability to Agile methodologies have significantly contributed to the project's success. Here's an in-depth analysis of how Jira has been utilized and its effectiveness:

1. Customizable Workflows and Fields: Jira's flexibility has allowed the customization of workflows and fields to align with the project's unique requirements. Tailored workflows ensured tasks moved seamlessly from inception to completion, while custom fields facilitated the capture of pertinent project information, enhancing data organization and accessibility.

2. Agile Methodologies Integration: Jira seamlessly integrated with Agile methodologies, particularly Scrum, enabling agile project management practices. Agile boards provide clear visualization of project progress, facilitating iterative development, and continuous improvement. **Backlogs** were effectively managed, and tasks were prioritized based on sprint goals, ensuring efficient allocation of resources.

3. Collaborative Features: Jira served as a central hub for collaboration among team members, fostering communication and engagement. Mentioning and notification features allowed for **real-time communication** and task assignment. Furthermore, integrations with communication platforms such as Slack facilitated quick discussions and issue resolution, enhancing team cohesion and productivity.

Event	Recipient	Actions
An issue is created	All Watchers, Current Assignee, Reporter	•••
An issue is edited	All Watchers, Current Assignee, Reporter	•••
You're assigned to an issue	All Watchers, Current Assignee, Reporter	•••
An issue is deleted	All Watchers, Current Assignee, Reporter	•••
An issue is moved	All Watchers, Current Assignee, Reporter	•••
Someone made a comment	All Watchers, Current Assignee, Reporter	•••
A comment is edited	All Watchers, Current Assignee, Reporter	•••
A comment is deleted	All Watchers, Current Assignee, Current User, Project Lead, Reporter, Member	•••
Work is logged	All Watchers, Current Assignee, Reporter	•••
A work log entry is edited	All Watchers, Current Assignee, Reporter	•••
A work log entry is deleted	All Watchers, Current Assignee, Reporter	•••

Access

Add people   **Manage roles**

Project access

🔓 Open   **Change project access**   ℹ️ Anyone with access to the "khan30shifa" Jira site can search for, view, create and edit this project's issues.

Name ↕	Email	Role	Action
HR Harshit Raj	-	Member ⌄	Remove
J jaiaditya.wadhawan2021	-	Member ⌄	Remove
RG Raghav Goel	-	Member ⌄	Remove
SH Sai Harshith	-	Member ⌄	Remove
S shifa	khan30shifa@gmail.com	Administrator ⌄	Remove

4. Advanced Reporting and Analytics: Jira's robust reporting and analytics capabilities provided valuable insights into project metrics and performance. **Customizable dashboards** and reports enabled stakeholders to track progress, monitor key performance indicators, and identify potential bottlenecks. This data-driven approach facilitated informed decision-making and proactive risk management.

5. Progress Tracking: Jira offered various methods for tracking progress, providing comprehensive visibility into project status. The tool facilitated the creation of <u>timelines, Gantt charts, dashboards, and task lists, allowing team members to monitor milestones, deadlines, and task dependencies</u> effectively. This multi-faceted approach to progress tracking ensured alignment with project goals and facilitated timely course corrections when necessary.

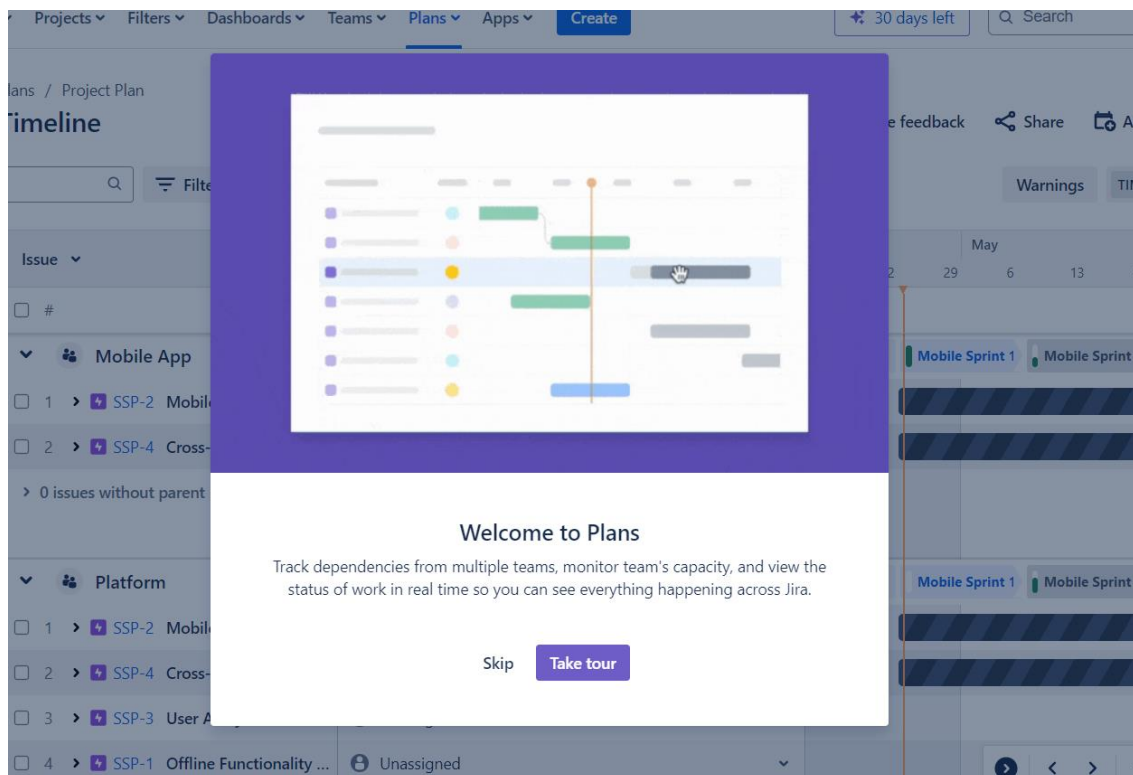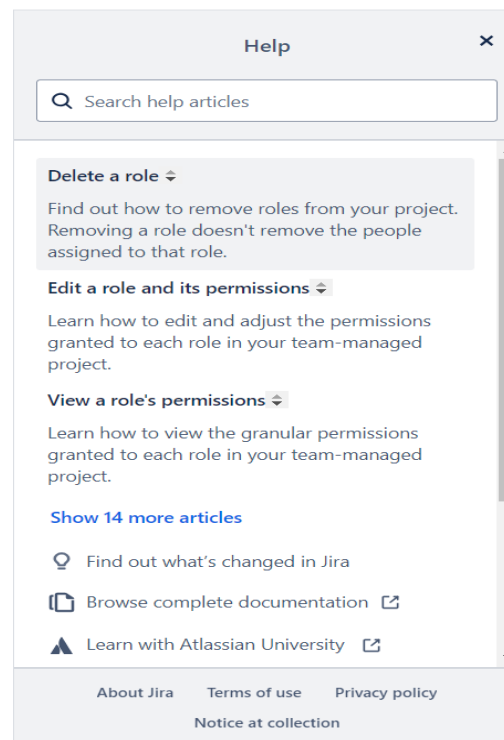| Module	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week13	Week 14	Week15	Week 16
	January				February				March				April			
User Interface	Jan 4-Jan 21								Mar3-Mar7							
Product Catalog		Jan 9-Feb 4								Mar 9-Mar14						
Personalized Recommendation				Jan 24-Feb 18							Mar 10-Mar14					
Price comparision and order management						Febg 14-Mar 9					Mar 13-Mar 19					
Chat bot									Mar1-Mar 21			Mar 28-apr 5				
Payment Gateway and User review and ratings												Mar 19-Apr 5				

6. Version Control and CI/CD Integration: Integration with version control systems and CI/CD tools streamlined the development process and ensured code quality. Seamless integration with Git repositories enabled efficient code management, while CI/CD pipelines automated build, test, and deployment processes. This accelerated the release cycle and maintained consistency across environments.

7. User Feedback and Iterative Development: Jira served as a centralized platform for capturing user feedback, bug reports, and feature requests. The project team iteratively addressed these inputs, prioritizing enhancements based on customer needs and preferences. Regular feedback loops ensured continuous improvement and alignment with evolving market demands.

8. Training and Support: Jira's extensive documentation, online resources, and community forums provided comprehensive support for project teams. Training sessions and workshops were conducted to onboard team members and familiarize them with Jira's features and best practices. Additionally, vendor support and consultancy services were available to address any technical challenges or customization requirements, ensuring smooth adoption and utilization of thetool.

Conclusion

Jira has played a pivotal role in steering the AI-Based Shopping Comparison System project towards success. Its robust features, collaborative environment, and data-driven approach have fostered efficiency, transparency, and innovation throughout the project lifecycle. By facilitating effective communication, streamlined workflows, comprehensive progress tracking, and iterative development, Jira has empowered the project team to deliver value to stakeholders and achieve project objectives effectively.