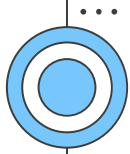


Professional Software Testing & Quality Assurance

Instructor
Parvez Hossain



JIRA

JIRA is a widely used issue and project tracking software. JIRA allows teams to create, track, and manage tasks, bugs, issues, and projects in a collaborative and organized manner.

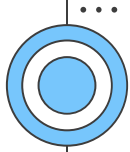
Key features of JIRA:

- Issue tracking
- Workflow management
- Agile capabilities
- Customization
- Reporting and dashboards
- Integration

Overall, JIRA is a powerful and flexible tool that helps teams improve collaboration, efficiency, and transparency in managing their projects and tasks.

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Epic – User Story – Task

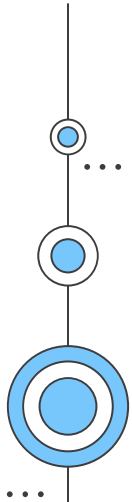
Epic: In Jira, "Epic" is a term used to represent a large and significant body of work that needs to be broken down into smaller, manageable tasks or user stories. It is commonly used in Agile software development methodologies to help organize and track work.

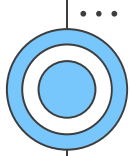
User Story: In Jira, a user story is a common term used to represent a piece of work or a functional requirement from the perspective of an end-user or a customer. It is a way to capture the specific needs and desired outcomes in a concise and easy-to-understand manner. User stories are often written in non-technical language.

A typical user story follows a specific format known as the "User Story Template," which includes three main components:

- **User:** The user represents the **role or persona who will benefit from the feature** or functionality being described.
- **Need:** The need is a brief description of **what the user wants to accomplish or what problem they want to solve.**
- **Outcome:** The outcome is the **benefit or result that the user expects to achieve from the implementation of the user story.**

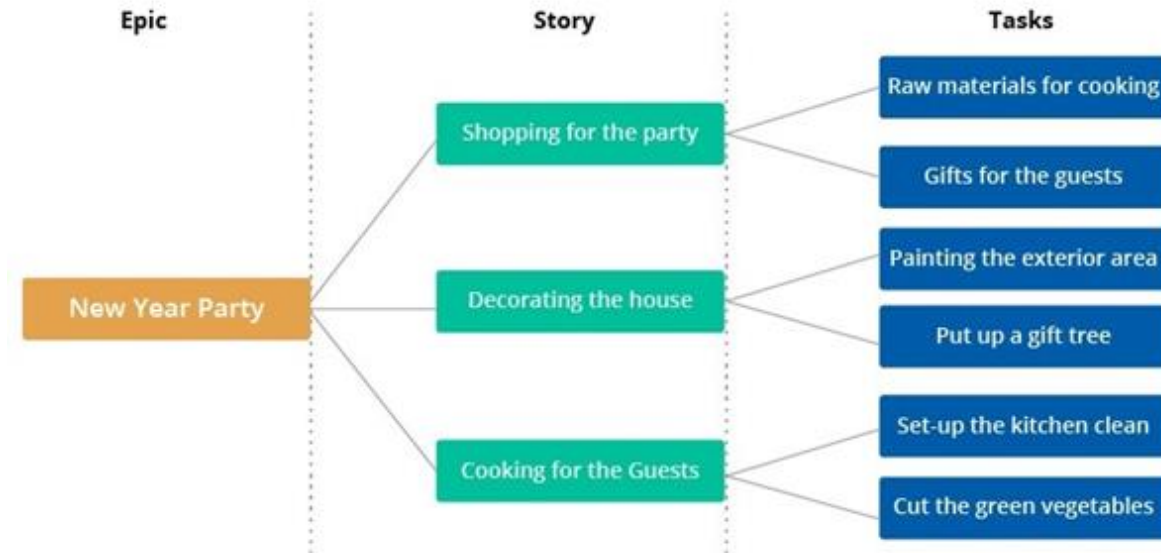
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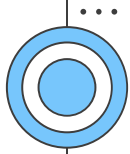




Epic – User Story – Task

Task: A "task" issue in Jira generally represents a smaller piece of work that is part of a larger project or user story. Tasks are often actionable items that can be assigned to specific team members, have due dates, and are used to track progress and completion of individual work items.





Kanban

The basic concept of a kanban system involves the use of cards or visual indicators to represent tasks or work items in various stages of a process. These cards are typically placed on a board with columns that represent different stages of the workflow, such as "To Do," "In Progress," and "Done."

Key principles and characteristics of a kanban system:

- **Visualization:** The work items and their status are represented visually on a kanban board. This provides a clear and shared understanding of the workflow.
- **Work in Progress (WIP) Limits:** Kanban sets limits on the number of items that can be in progress at each stage of the workflow. This helps prevent overloading team members and ensures that work is flowing smoothly.
- **Pull-based System:** Work is pulled into the system based on the team's capacity to handle it, rather than pushed in by external forces. This ensures that the team does not take on more work than they can handle.
- **Continuous Improvement:** Kanban encourages continuous improvement by regularly analyzing and refining the workflow to identify and address bottlenecks or inefficiencies.

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Thanks!

Do you have any questions?

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