

# JIRA-TOOL-IMPLEMENTATION

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**JIRA:** Jira is a software testing tool developed by the Australian Company Atlassian. It is a bug tracking tool that reports all the issues related to your software or mobile apps. The word JIRA comes from the Japanese word, i.e., "Gojira" which means Godzilla. JIRAI is based on the Agile methodology and the current version of the Jira is 6.



- **Projects:** It is used to manage the defects very effectively.
- **Issue:** It is used to track and manage the defects/issues.
- **Workflow:** Processes the Issue/Defect life cycle. Suppose we have a business requirement, we create the technical design and from the technical design, we create the test cases. After creating the test cases, coding is done, and then testing is performed on the project. This design workflow is possible by using Jira.
- **Search:** Find with ease. Suppose we have done with a project at the beginning of the December and its version is 1.0. Now, we move to version 1.1 and completed at the end of December. What we are doing is that we are adding new versions. Through Jira, we can get to know that what happened in the earlier versions, how many defects occurred in the earlier projects and the learning we achieve from the earlier projects.
- **Dashboards:** Dashboard is a display which you see when you log in to the Jira. You can create multiple dashboards for multiple projects. You can create the personal dashboard and can add the gadgets in a dashboard so that you can keep track of the assignments and issues that you are working on.
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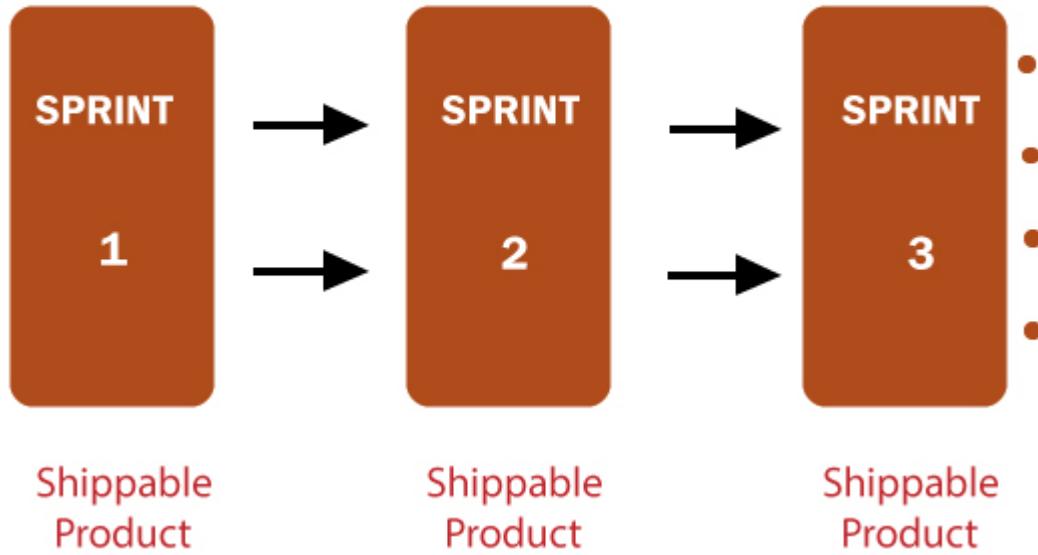
**Scrum:** We have studied the Agile methodology where Agile is a set of beliefs which should be followed to develop the software development project. On these beliefs or values, there are many models developed, and one of the models is a **scrum**.

**Before going deep in Scrum, you should know the meanings of some basic terms:**

- **Scrum:** Scrum is an agile framework that helps you to organize, iterate, and continue the same project that you are working on. In scrum, a product is built in the series of iterations known as sprints or parts.
- **Sprint:** Sprint is a time-boxed period in which the scrum team needs to finish the set amount of work. Each sprint has a specified timeline, i.e., 2 weeks to 1 month. The scrum team agrees with this timeline during the sprint planning meeting.
- **Scrum Master:** Scrum Master is defined as a facilitator or servant-leader to the Scrum development team. Scrum Master must ensure that scrum principles are followed.
- **Scrum development team:** A scrum development team is a collection of individual members that includes developers, QA, and scrum master. It decides and provides the effort estimate. The recommended size of the scrum team is between 5 and 9 members.

## How does Scrum work

# Scrum/Sprint



In the Waterfall model, we have read that the first whole requirements are done, then the whole designing is done, then whole development is done, and then whole testing and deployment is done. This model takes full lifecycle of the product, and then the only product is viewable to the client.

While Scrum says that consider a small part of the software and then plan it, build it, test and finally review it. This small module which has been developed will be shown to the customers. For example, we need to develop the e-commerce website, which can be broken into a number of sprints or modules such as login page, payment page, cart page, etc. Then, each module is developed individually and shown to the customers simultaneously. Therefore, we can say that after the completion of each sprint, the product is shipped to the client, though not the complete product but the part of the functionality.

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- ✓ Scale agile practices
- ✓ Consolidate workflows
- ✓ Expand visibility
- ✓ Plan, track, and release

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Thanks for signing up! Our robots are working on your Atlassian Cloud site.  
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## Select a template for your first project

If you're not sure what to choose, don't worry. You can quickly create a new project if this one's not right for you.

KANBAN  
A simple board to visualize your workflow  
A flexible and efficient way to manage agile work, with a board and timeline.

POPULAR

SCRUM  
Deliver work in short, repeatable time blocks  
Plan, prioritize, and schedule work using agile sprints with a backlog, board and timeline.

BUSINESS  
Collaboration for business teams  
Designed to help your business team collaborate and connect, with list and calendar views, forms, and more.

Jira Software      Jira Work Management

The screenshot shows the Jira interface for a project named "My Scrum Project". The left sidebar is open, showing navigation options like "Backlog" (which is selected), "Board", "Timeline", etc. The main area displays the "Backlog" for "SCRUM Sprint 1", which contains six issues: "SCRUM-1 Home", "SCRUM-2 Product", "SCRUM-3 cart", "SCRUM-4 Registration", "SCRUM-5 Login", and "SCRUM-6 Contact Us". Each issue has a "TO DO" status indicator and a user icon. A search bar at the top right includes filters for "NG", "User", and "Epic". A blue button labeled "Start sprint" is visible.

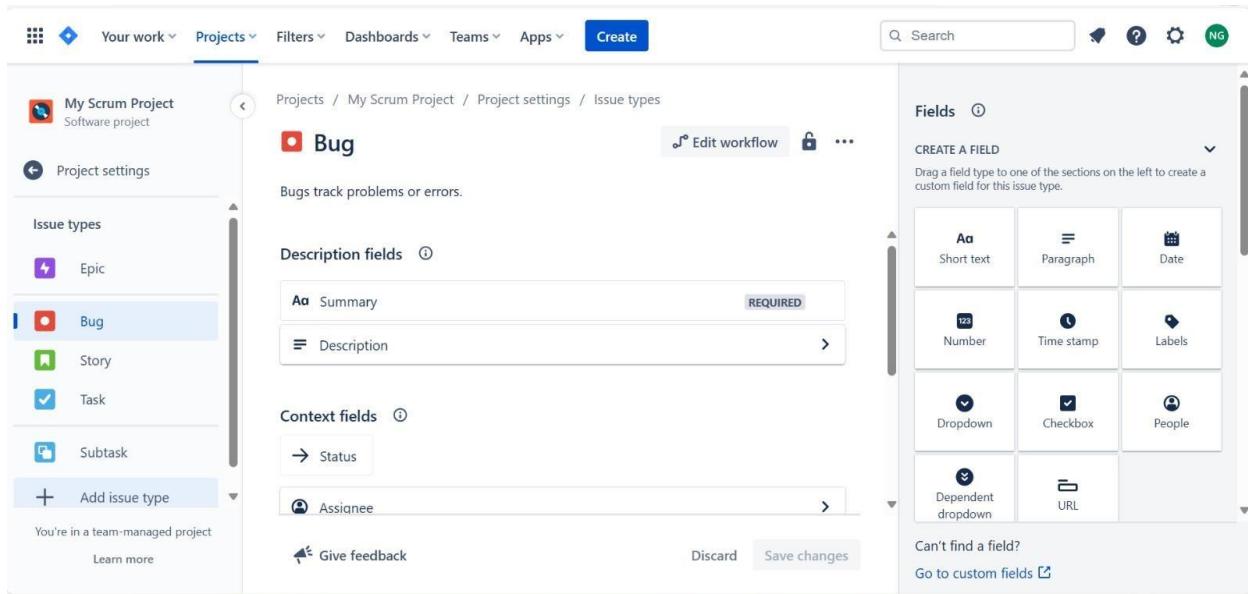
A modal dialog box titled "Add People to My Scrum Project" is overlaid on the Jira interface. It lists four email addresses: "Naveen Gopathi", "muppurihussainaiah444@gmail.com", "yagreswararaoyandava159@gmail.com", and "saikumaar36@gmail.com". Below this, there are buttons for "Google", "Slack", and "Microsoft". A dropdown menu for "Role" is set to "Administrator". A note at the bottom states: "You're inviting people as admins. Admins can set up projects, add more people, install apps, and upgrade plans. Alternatively, you can invite people as users." At the bottom of the dialog are "Cancel" and "Add 4 people" buttons.

The screenshot shows a project management interface for 'My Scrum Project'. The left sidebar includes sections for PLANNING (Timeline, Backlog, Board), DEVELOPMENT (Code, Project pages, Add shortcut, Project settings), and general links (Project pages, Add shortcut, Project settings). The main area displays the 'Backlog' for 'SCRUM Sprint 1' with 6 issues:

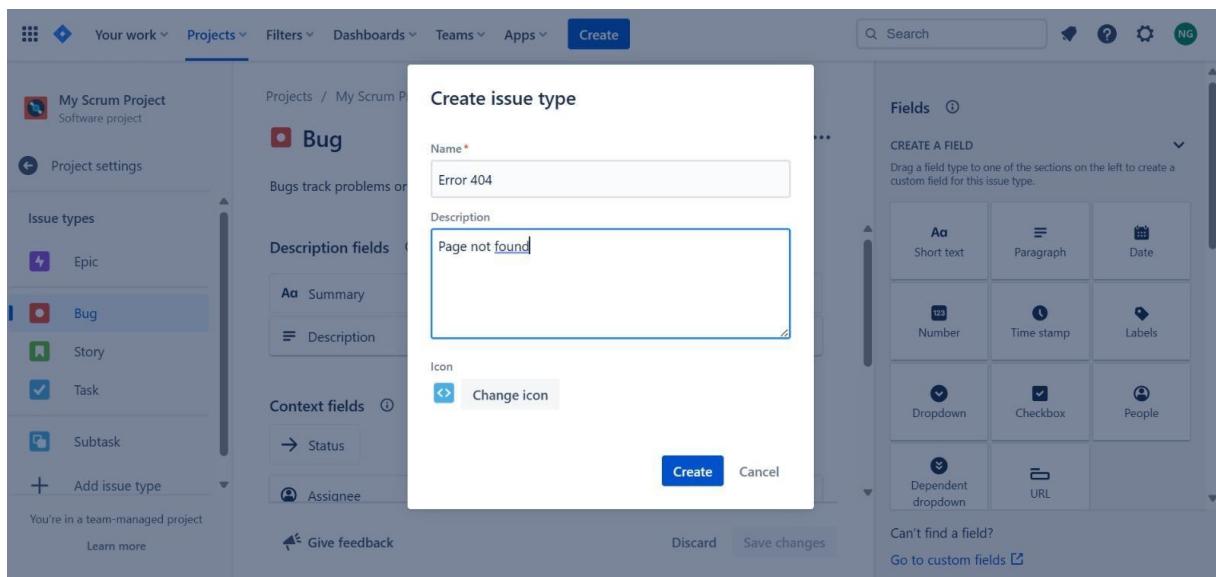
- SCRUM-1 Home: TO DO (Y)
- SCRUM-2 Product: TO DO (H)
- SCRUM-3 cart: TO DO (S)
- SCRUM-4 Registration: TO DO (NG)
- SCRUM-5 Login: TO DO (NG)
- SCRUM-6 Contact Us: TO DO (NG)

Buttons for 'Start sprint' and '... Insights' are visible at the top right.

This screenshot shows the same backlog interface, but with a pinned field overlay for the first item, 'SCRUM-1 Home'. The overlay includes fields for 'Add epic / SCRUM-1', 'Pinned fields' (with a note to pin by clicking the star icon), 'Details' (Assignee: yagreswararaoyandava15, Assign to me), and a comment input field ('Add a comment...'). A tip at the bottom right suggests using 'M' to comment.



This screenshot shows the 'Issue types' configuration for the 'Bug' issue type in the 'My Scrum Project'. The left sidebar lists other issue types: Epic, Bug (selected), Story, Task, Subtask, and Add issue type. The main panel displays the 'Description fields' section, which includes 'Summary' (REQUIRED) and 'Description'. Below this is the 'Context fields' section with 'Status' and 'Assignee'. A 'Give feedback' button is at the bottom. On the right, a 'Fields' panel offers various field types: Short text, Paragraph, Date, Number, Time stamp, Labels, Dropdown, Checkbox, People, Dependent dropdown, and URL. A note says 'Drag a field type to one of the sections on the left to create a custom field for this issue type.'



This screenshot shows the 'Create issue type' dialog for a new 'Bug' issue type. The 'Name' field contains 'Error 404'. The 'Description' field contains 'Page not found'. The 'Icon' section shows a blue square icon and a 'Change icon' button. At the bottom are 'Create' and 'Cancel' buttons. The background shows the same 'Issue types' configuration as the previous screenshot, with 'Bug' selected.

Your work Projects Filters Dashboards Teams Apps Create

Search ⚡ ? ⚙ NG

My Scrum Project Software project

Projects / My Scrum Project

## SCRUM Sprint 1

we need to complete the sprint 1 with in the duration time.

Timeline Backlog Board

Code Project pages Add shortcut Project settings

You're in a team-managed project Learn more

TO DO 7

Home SCRUM-1 10 Y

Product SCRUM-2 10 H

cart SCRUM-3 9 S

Registration

IN PROGRESS

DONE ✓

+ Insights

This screenshot shows a Scrum board for 'SCRUM Sprint 1'. The 'TO DO' column contains 7 items: 'Home' (SCRUM-1), 'Product' (SCRUM-2), 'cart' (SCRUM-3), and 'Registration'. The 'IN PROGRESS' and 'DONE' columns both have 0 items. The sidebar on the left lists project management options like Timeline, Backlog, and Board, with 'Board' currently selected. A vertical sidebar on the right provides navigation and filtering options.

Your work Projects Filters Dashboards Teams Apps Create

Search ⚡ ? ⚙ NG

My Scrum Project Software project

Projects / My Scrum Project

## SCRUM Sprint 1

we need to complete the sprint 1 with in the duration time.

Timeline Backlog Board

Code Project pages Add shortcut Project settings

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IN PROGRESS 2

Login SCRUM-5 8 NG

Contact Us SCRUM-6 7 NG

DONE ✓

TESTING 1

Registration SCRUM-4 8 NG

QA-TESTING

+ Insights

This screenshot shows a Scrum board for 'SCRUM Sprint 1'. The 'IN PROGRESS' column contains 6 items: 'Login' (SCRUM-5) and 'Contact Us' (SCRUM-6). The 'TESTING' column contains 1 item: 'Registration' (SCRUM-4). The 'DONE' column has 0 items. The sidebar on the left lists project management options like Timeline, Backlog, and Board, with 'Board' currently selected. A vertical sidebar on the right provides navigation and filtering options.

Your work Projects Filters Dashboards Teams Apps Create

Search ⚡ ? ⚙️ NG

My Scrum Project Software project

PLANNING Timeline Backlog Board

DEVELOPMENT Code Project pages Add shortcut Project settings

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Projects / My Scrum Project SCRUM Sprint 1 we need to complete the sprint 1 with in the duration time.

IN PROGRESS

DONE 1 ✓

REGISTRATION

SCRUM-4 ✓ 8 NG

TESTING 2

LOGIN

SCRUM-5 ✓ 8 NG

CONTACT US

SCRUM-6 ✓ 7 NG

QA-TEST

GROUP BY None Insights

This screenshot shows a Jira Software board for the 'SCRUM Sprint 1' project. The board has four columns: 'IN PROGRESS', 'DONE 1', 'TESTING 2', and 'QA-TEST'. In the 'IN PROGRESS' column, there is one task named 'Registration' (SCRUM-4). In the 'DONE 1' column, there is one task named 'Login' (SCRUM-5). In the 'TESTING 2' column, there are two tasks: 'Contact Us' (SCRUM-6) and 'Registration' (SCRUM-4). The 'QA-TEST' column is currently empty. The sidebar on the left provides navigation links for planning, development, and project management.

Your work Projects Filters Dashboards Teams Apps Create

Search ⚡ ? ⚙️ NG

My Scrum Project Software project

PLANNING Timeline Backlog Board

DEVELOPMENT Code Project pages Add shortcut Project settings

You're in a team-managed project Learn more

Projects / My Scrum Project SCRUM Sprint 1 we need to complete the sprint 1 with in the duration time.

IN PROGRESS 1

TESTING 1

QA-TESTING REJECTED

DONE 5 ✓

HOME

SCRUM-1 ✓ 10 NG

REGISTRATION

SCRUM-4 ✓ 8 NG

LOGIN

SCRUM-5 ✓ 8 NG

CONTACT US

SCRUM-6 ✓ 7 NG

GROUP BY None Insights

Quickstart

Create a project Customize your board Create an issue

What is an issue in Jira?

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

Issues can be tasks or stories.

Show me View issue tutorial

Invite your teammates Connect your tools Get the mobile app Find help

Dismiss Quickstart

This screenshot shows the same Jira Software board as the previous one, but with a 'Quickstart' sidebar open on the right side. The sidebar contains several sections: 'Create a project', 'Customize your board', 'Create an issue', 'What is an issue in Jira?' (with a video thumbnail), 'Issues are individual pieces of work that you assign to teammates.', 'Issues can be tasks or stories.', 'Show me View issue tutorial', 'Invite your teammates', 'Connect your tools', 'Get the mobile app', and 'Find help'. The board itself shows tasks in progress, testing, and done states across four columns: IN PROGRESS 1, TESTING 1, QA-TESTING REJECTED, and DONE 5.

Projects / My Scrum Project

**Backlog**

PLANNING

- Timeline
- Backlog**
- Board

DEVELOPMENT

- Code

Project pages

Add shortcut

Project settings

You're in a team-managed project

Learn more

Search bar

Filters: NG, Y, H, S

Epic: Type

Insights

**SCRUM Sprint 1** 5 Sep – 12 Sep (7 issues)

we need to complete the sprint 1 with in the duration time.

Issue	Status	Count	Color
SCRUM-1 Home	TO DO	10	Y
SCRUM-2 Product	TO DO	10	H
SCRUM-3 cart	TO DO	9	S
SCRUM-4 Registration	DONE	8	NG
SCRUM-5 Login	DONE	8	NG
SCRUM-6 Contact Us	DONE	7	NG
SCRUM-13 Error 404	TO DO	-	

+ Create issue

THANK Ψou