


Shubha-slack/Testing-Learning

Lumen

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manipalglobal
SKILLS ACADEMY

Software Testing Day 3 – Requirements

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18-11-2024

Agenda

- Introduction to Requirements Gathering
- Why Software Requirements
- Cover Types of Requirements



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Work Management Tool

(managing projects, bug tracking,
issue tracking, the works)

By:



www.atlassian.com

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ATLASSIAN TOOLS

Plan & Track	Support	Collaborate	Code & Build
 Jira Software	 Jira Service Desk	 Confluence	 Bitbucket
 Jira Core	 Statuspage	 Trello	 Sourcetree
 Jira Align	 Opsgenie		

<https://www.atlassian.com/software>

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Why Jira

- Super popular
- Everything you need to manage projects and teams
- Fully customizable
- Countless Apps to further enhance functionality

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JIRA PLATFORMS

CLOUD	SERVER	DATA CENTER
Fast Start-up	Self-installed and managed	Same as Server, but at scale
No maintenance	One-time installation fee + ongoing support fees	Enterprise level security, availability, performance
Monthly or annual subscription	Local data	
	More customizability	

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JIRA VERSIONS

FREE	STANDARD	PREMIUM
Up to 10 users	What Jira used to be without Free version	No Restrictions (automation, storage)
No project permissions	Higher automation limit	Premium support
Limited automation	Atlassian Support	99% uptime SLA
2GB storage	\$10/month for up to 10 users	Many other features – Advanced roadmaps, project archiving, Admin insights, Sandbox env
Community support	\$7/user above 10 users	\$14/user

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Jira Web sites

<https://marketplace.atlassian.com/>

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Jira Cloud Set up

**Lab session : Set Up Jira Cloud and Jira
project and scrum board**

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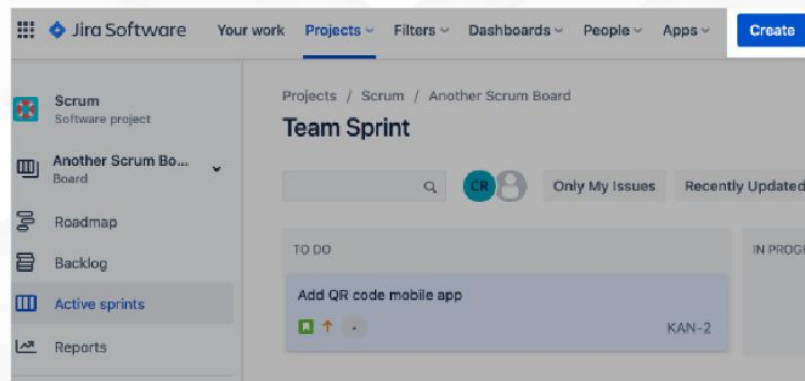
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Jira Creating and Tracking Issues

Creating and Tracking Issues

From the top navigation bar, anywhere in Jira



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Creating and Tracking Issues

Backlog View

Jira Creating and Tracking Issues



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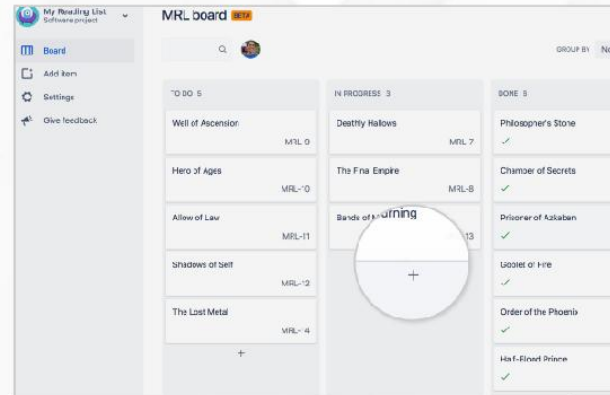
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Creating and Tracking Issues

Board View

Jira Creating
and Tracking
Issues



TO DO (5)	IN PROGRESS (3)	DONE (8)
Well of Ascension MRL-0	Destiny Halows MRL-7	Philosopher's Stone ✓ MR
Hero of Ages MRL-0	The Fna Empire MRL-8	Chamber of Secrets ✓ MR
Allow of Law MRL-11	Bands of... MRL-13	Prisoner of Azkaban ✓ MR
Shadows of Self MRL-12		Uproots of Fire ✓ MR
The Lost Metal MRL-4		Order of the Phoenix ✓ MR
		Half-Blood Prince ✓ MR

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Creation of epics

Create issue

Project*

EPISODE 1 (E1)

Issue type*

Epic

Summary*

Description

Normal text

We support markdown Try **bold**, `inline code`, or `pre` for code blocks.

Assignee

Automatic

Assign to me

Labels

Select label

Start date

Select date

Allows the planned start date for a piece of work to be set.

Due date

Select date

Issue color

Purple

Reporter*

jack wallen

Attachment

Create another issue

Cancel

Create

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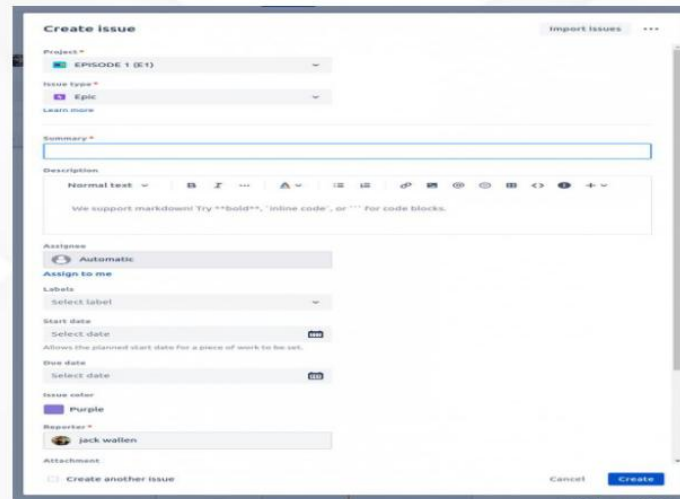
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Creation of epics

Jira Creation of Epics



The screenshot shows the 'Create issue' form in Jira. The 'Project' is set to 'EPISODE 1 (E1)'. The 'Issue type' is 'Epic'. The 'Summary' field is empty. The 'Description' field contains the text: 'We support markdown Try **bold**, `inline code`, or `'''` for code blocks.' The 'Assignee' is 'Automatic'. The 'Labels' field is empty. The 'Start date' and 'Due date' fields are empty. The 'Issue color' is 'Purple'. The 'Reporter' is 'jack.wallen'. The 'Attachment' field is empty. The 'Create another issue' checkbox is unchecked. The 'Create' button is visible at the bottom right.

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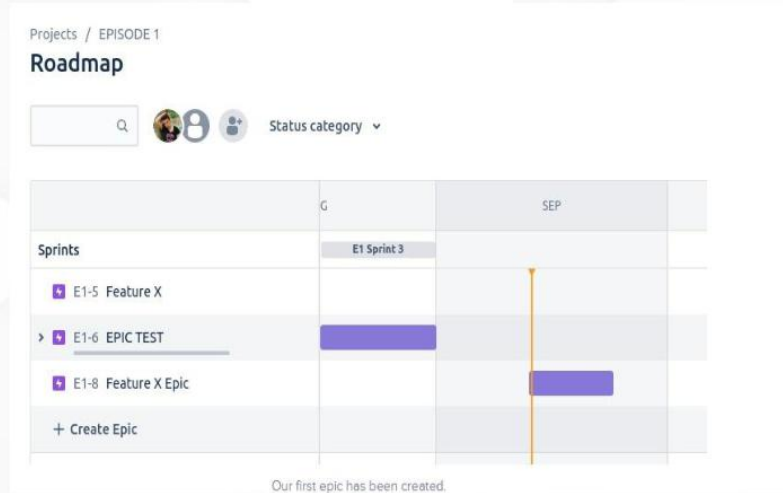


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Creation of epics

Jira Creation of Epics



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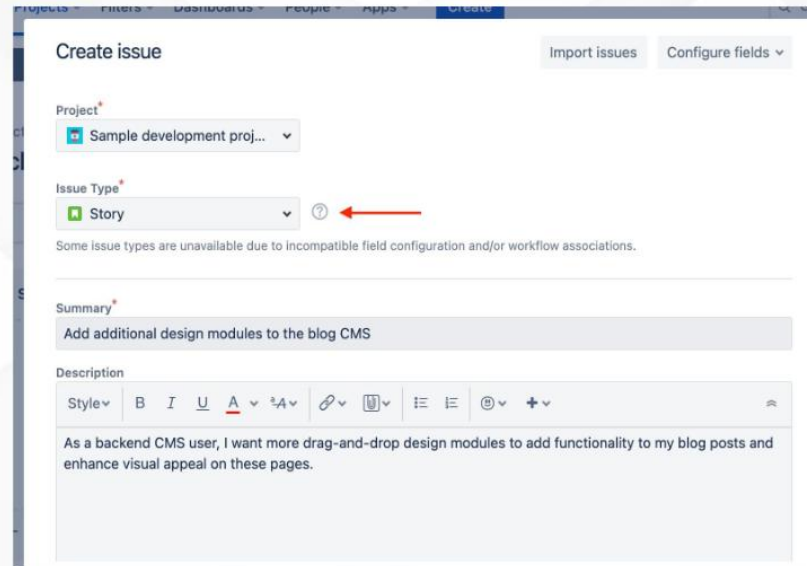
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Creation of User Stories

Jira Creation of User Stories



Create issue Import issues Configure fields

Project
Sample development proj...

Issue Type
Story ? ←

Some issue types are unavailable due to incompatible field configuration and/or workflow associations.

Summary
Add additional design modules to the blog CMS

Description
Style B I U A ^ A ↶ ↷ ↻ + ⌵

As a backend CMS user, I want more drag-and-drop design modules to add functionality to my blog posts and enhance visual appeal on these pages.

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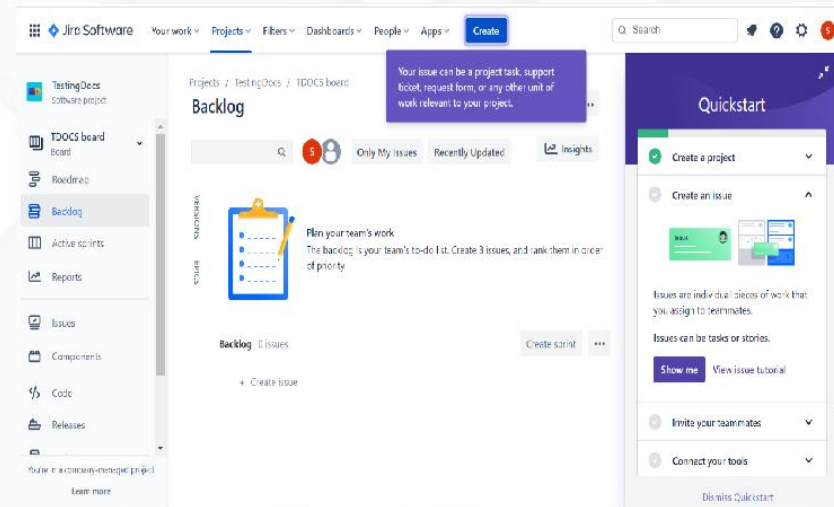
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Creation of User Stories

Backlog View

Jira Creation of User Stories



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Scrum Board

What is a scrum board

A scrum board is a visual representation of the work to be done in a single sprint.

The Scrum board allows the Scrum team to:

- Identify the tasks that need to be completed
- Ensure that everyone is working on a project task
- Keep track of the progress of an active sprint

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Scrum Board

Scrum 1

Scrum Sprint 1

36 days remaining

Complete sprint

Implement the new weather alert system 🚀 - and make over 50,000+ customers very happy 🥳

Quick filters Assignee

TO DO

SMART-43 Recalibrate the semi-coherent anomaly L...

Make rocket go now

SMART-45

Reticulate splines

SMART-46

Align the dish

SMART-47

SMART-17 Add app alert for changed weather event...

VK-33 replicators are down.

SMART-40

Adjust API for alert popup

SMART-39

Update notifications settings with weather

IN PROGRESS

Add app alert for changed weather events 111

4w

SMART-17

SMART-3 Push notifications documentation updates

Update documentation and push through channels

SMART-29

SMART-6 Low-power indicator optimisation on mod...

Draw up new schematics for power indicator panel

3d

SMART-19

Reset power-indicator threshold after fatal shutdown due to low power

3h

SMART-33

DONE

Recalibrate the semi-coherent anomaly in preparation to fluctuate our tachyon catalyst

SMART-43

Hello world!

SMART-44

SMART-17 Add app alert for changed weather event...

Update documentation

SMART-28

SMART-3 Push notifications documentation updates

Review new copy

SMART-35

Low-power indicator optimisation on model B6.2

Epic 123

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You can use Jira to manage its own users, or you can connect Jira to an external user management system.

User Management

- Create, edit, or remove a user
- Assign users to groups, project roles, and applications
- Monitor a user's activity
- Prevent automatic login
- Manage password security
- Control anonymous user access
- Anonymizing users
- <https://confluence.atlassian.com/adminjiraserver/managing-users-938847015.html>

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Jira Work Flow

Jira Workflow

- In Jira Software, the path your issues take from creation to completion is called workflow.
- Each workflow is composed of a set of statuses and transitions that your issue moves through during its lifecycle and typically represents work processes within your organization.
- A Jira workflow represents the process your team uses to take an issue from creation to completion.

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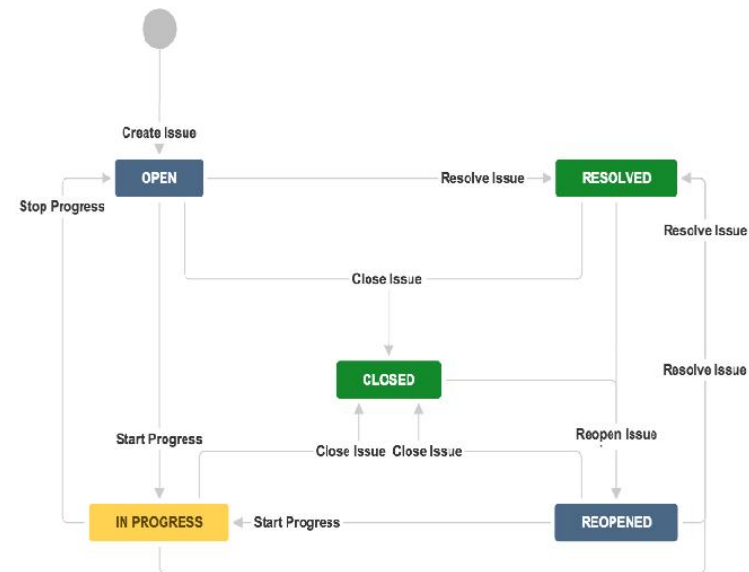
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Jira Work Flow



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Work Flow

Jira workflows are composed of 3 unique elements:

- 1.Status:** A status indicates where the issue is within the workflow. Some examples may include Open, In Progress, In Review, Scheduled, Pending, Waiting, etc.
- 2.Transition:** A transition represents the action being taken to move an issue from status to status. A transition is a one-way link, so if an issue needs to move back and forth between two statuses, two transitions need to be created.
- 3.Resolution:** When a task is completed and no longer open, it needs a resolution status. Some examples may include Closed, Resolved, Shipped, Completed, Done, Finalized, Won't Do, etc. (This is only available in company-managed projects).

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Jira Work Flow

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Jira Work Flow Editor

Jira workflow editor

- The workflow editor is a graphical tool that allows you to create, visualize, and edit the steps and transitions of a workflow.
- You will need to log in as a user with the 'Jira System Administrators' global [permission](#) to access this functionality.

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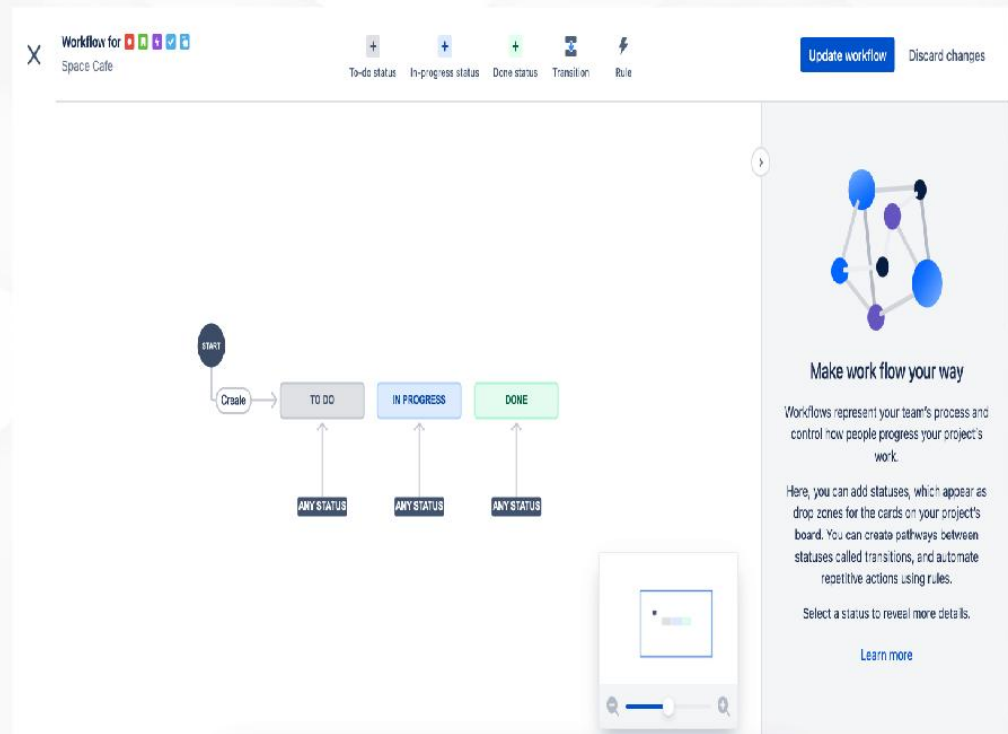
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Jira Work Flow Editor



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Jira Custom Fields Creation

Adding a new custom field

Steps

To create custom field in Jira:

1. Go to **Jira Administration** > **Issues**.
2. Select **Custom fields** from the menu in the **Fields** section.
3. Click **Add custom field**.
4. Depending on the type of custom fields, select:
 - **Radio Buttons** in the **Standard** section.



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Lab Sessions

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