

Week 1: Jira as a project management tool

Aim:

Explore the Jira as a project management tool for the agile Development. Execute following Activity in Jira Tool.

- 1) Free Trial Setup**
- 2) Create an Epic**
- 3) Create an Issue**
- 4) Create Story**
- 5) Create Subtask**
- 6) Create Sprint**

Theory :

JIRA is a versatile project management tool developed by Atlassian, primarily used for bug tracking, issue tracking, and project management. It is particularly popular among software development teams due to its robust features that support Agile methodologies, including Scrum and Kanban. Here's a detailed overview of JIRA, its functionalities, and its applications.

Key Features and Components

1. Projects

- Projects in JIRA serve as containers for organizing and managing work. Each project can have its own set of issues, workflows, and custom fields, allowing teams to tailor their project management approach to specific needs.

2. Issues

- Issues are the fundamental units of work in JIRA. They can represent tasks, bugs, user stories, and other work items. Each issue can be assigned various attributes such as priority, status, and due date, facilitating effective tracking and management.

3. Workflows

- Workflows define the lifecycle of an issue, including its various statuses and transitions. JIRA provides default workflows, but these can be customized to meet the specific requirements of a project, ensuring that teams can adapt the tool to their processes.

4. Boards

- JIRA features different types of boards (Scrum, Kanban, and Agile) that visualize and manage the progress of issues. These boards help teams track work in progress and manage tasks effectively.

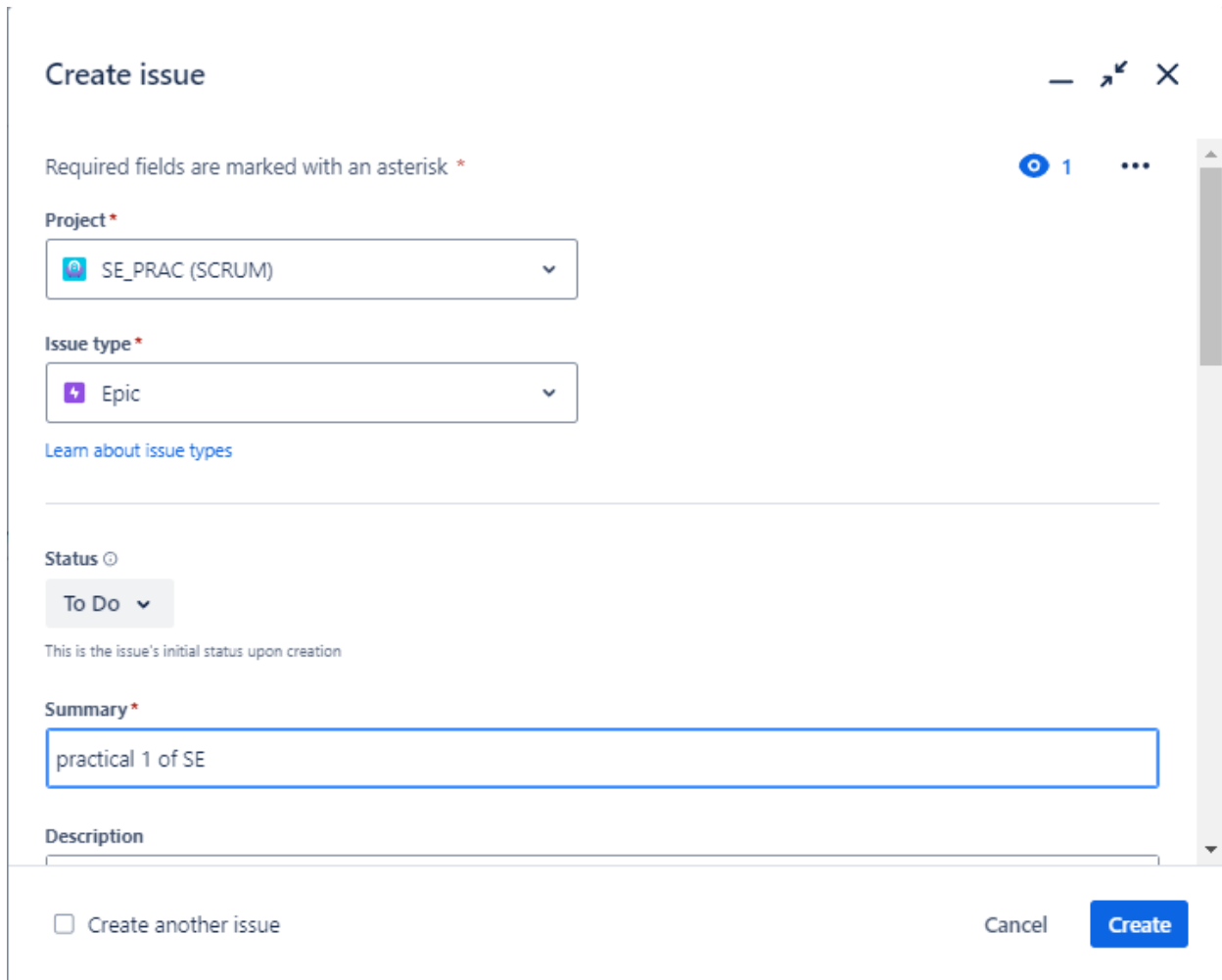
5. Sprints and Epics

- In Agile methodologies, sprints are time-boxed periods during which specific work is completed. Epics are larger bodies of work that can be broken down into smaller issues, helping teams manage and prioritize their workload effectively.

6. Dashboards and Reporting

- JIRA provides customizable dashboards that give teams a real-time view of project status, progress, and key metrics. It also offers various reporting tools that enable data-driven decision-making

Screenshot / Graph / Explanation etc.



The screenshot shows the 'Create issue' dialog box in JIRA. The title is 'Create issue'. Below the title, it says 'Required fields are marked with an asterisk *'. There are three required fields: 'Project *', 'Issue type *', and 'Summary *'. The 'Project *' field is a dropdown menu with 'SE_PRAC (SCRUM)' selected. The 'Issue type *' field is a dropdown menu with 'Epic' selected. The 'Summary *' field is a text input box containing 'practical 1 of SE'. Below these fields, there is a 'Status' section with a dropdown menu set to 'To Do'. A note below the status says 'This is the issue's initial status upon creation'. At the bottom, there is a 'Description' text area. On the right side of the dialog, there are icons for back, forward, and close. At the bottom right, there are 'Cancel' and 'Create' buttons. A checkbox labeled 'Create another issue' is at the bottom left.

Figure 1. 1 Creating new Epic

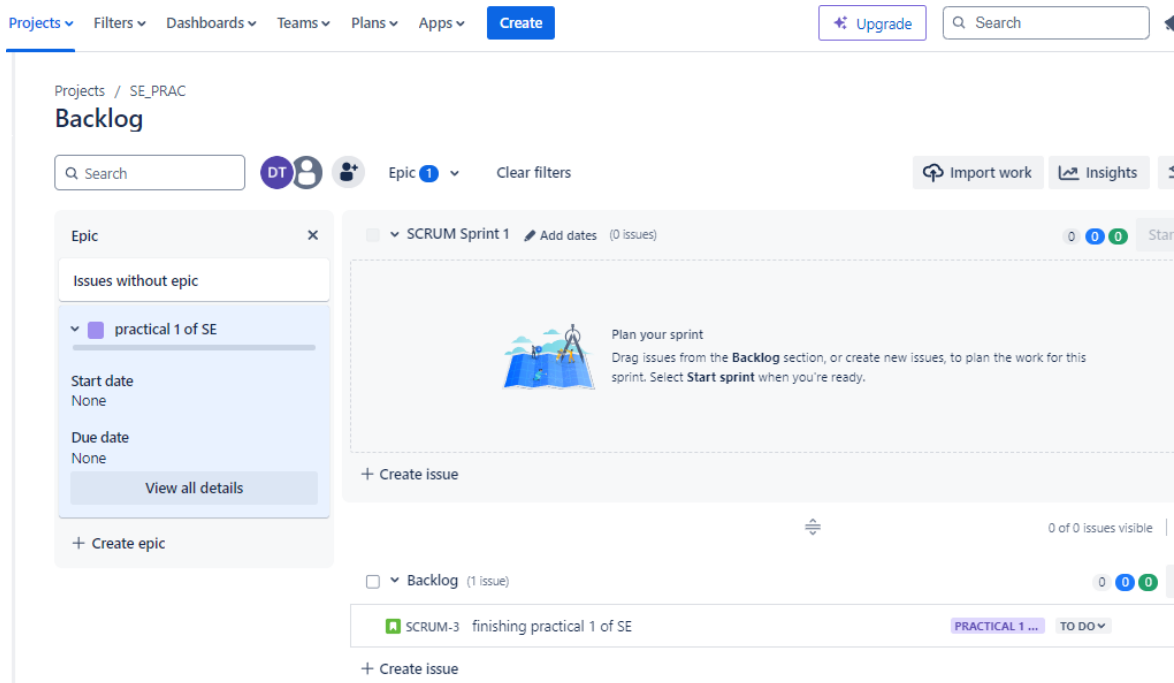


Figure 1. 2 Checking whether the Epic is created or not

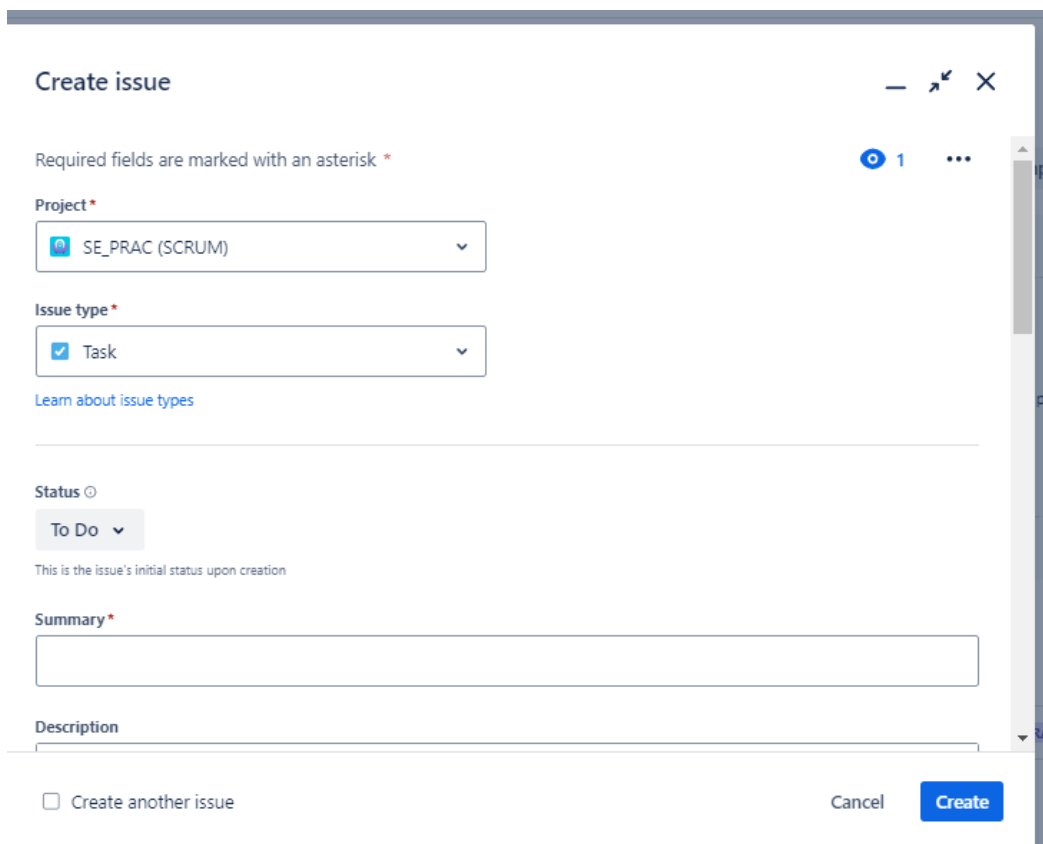
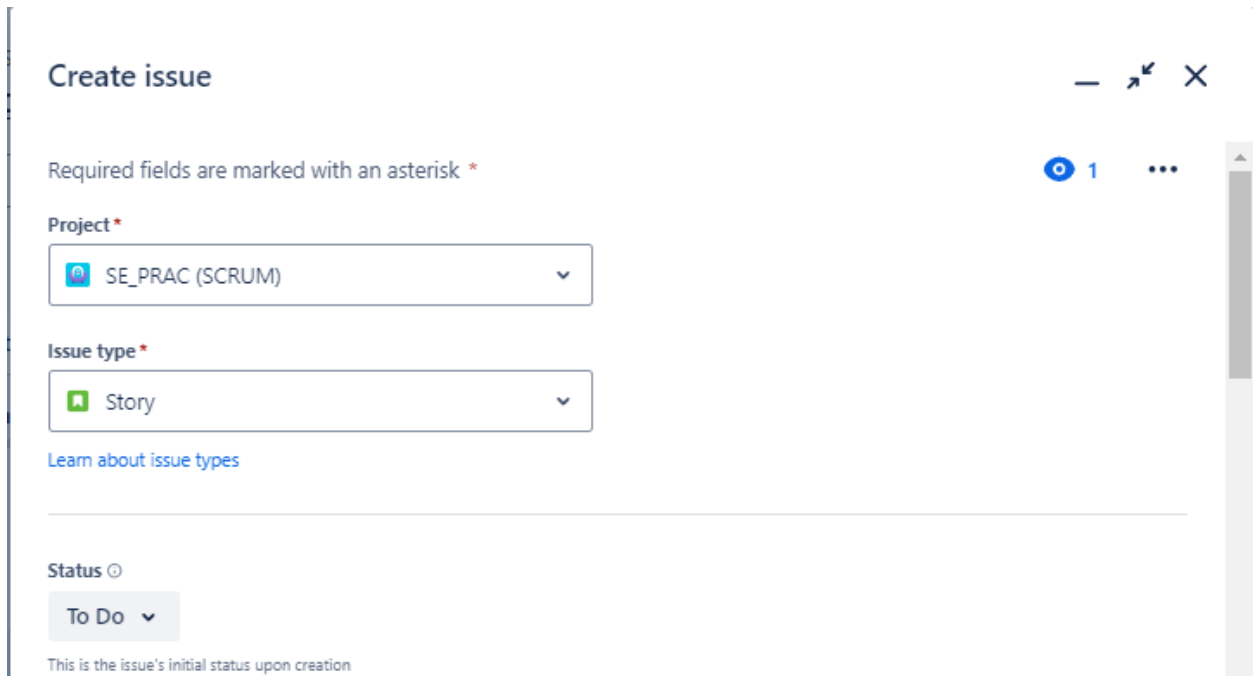


Figure 1. 3 Creating new task



Create issue

Required fields are marked with an asterisk *

Project *

SE_PRAC (SCRUM)

Issue type *

Story

[Learn about issue types](#)

Status

To Do

This is the issue's initial status upon creation

Figure 1. 4 Creating new story

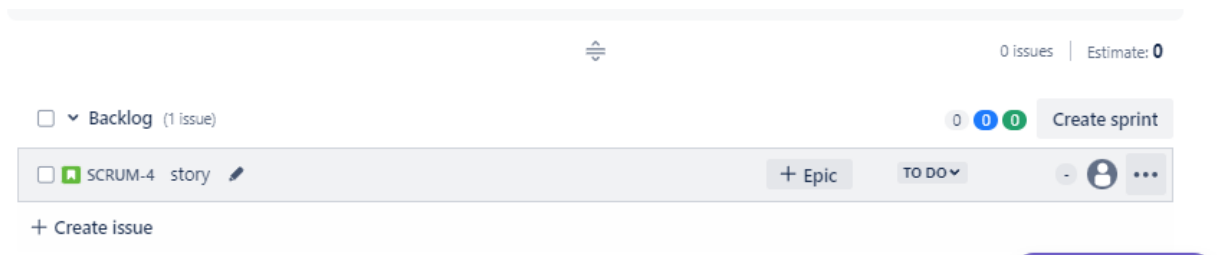
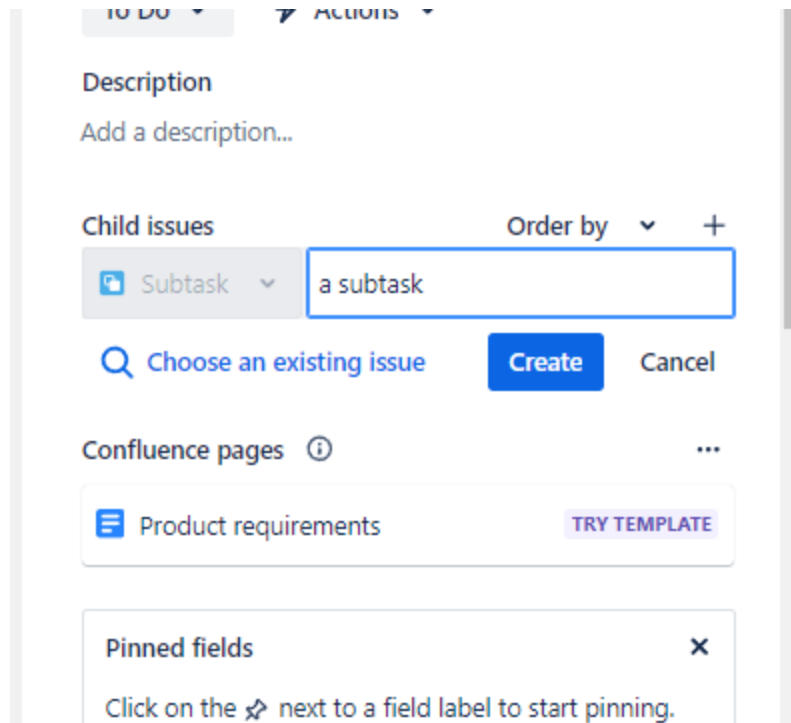


Figure 1. 5 Checking whether new story is created or not



The image shows a 'Create new subtask' dialog box in Jira. At the top, there are tabs for 'TO DO' and 'ACTIONS'. Below these is a 'Description' section with the text 'Add a description...'. The 'Child issues' section features a dropdown menu set to 'Subtask' and a text input field containing 'a subtask'. To the right of the input field is an 'Order by' dropdown and a '+' icon. Below the input field are three buttons: 'Choose an existing issue' (with a magnifying glass icon), 'Create' (in blue), and 'Cancel'. The 'Confluence pages' section has an information icon and a list of pages, with 'Product requirements' selected and a 'TRY TEMPLATE' button next to it. At the bottom, a 'Pinned fields' section has a close icon and instructions: 'Click on the ⚙️ next to a field label to start pinning.'

Figure 1. 6 Creating new subtask

Edit sprint: SCRUM Sprint 1

Required fields are marked with an asterisk *

Sprint name *

Duration

Start date

End date

Sprint goal

Figure 1. 7 Creating new sprint

Start Sprint

1 issue will be included in this sprint.
Required fields are marked with an asterisk *

Sprint name *

SCRUM Sprint 1|

Duration *

2 weeks

Start date *

7/29/2024 5:29 PM

End date *

8/12/2024 5:29 PM

Sprint goal

Cancel Start

Figure 1. 8 Starting new sprint

	JUN	JUL	AUG	SEP
Sprints			SCRUM Sprint 1	
SCRUM-1 practical 1 of SE				
+ Create Epic				

Figure 1. 9 We can see our sprint in Timeline Tab

Conclusion : I gained knowledge on the fundamentals of Jira and how to use it from this practical. Aside from that, I gained knowledge of Jira's Issue, Epic, Sprint, and Subtask features. By working on one project, I was also able to understand and utilize their functionality.