

Agile Software Development (TCS 562)

Unit-II Agile Project Management
Jira for Agile project Management



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Getting started with Jira by 6 basic steps

Step 1 - Create a project

Step 2 - Pick a template

Step 3 - Set up your columns

Step 4 - Create an issue

Step 5 - Invite your team

Step 6 - Move work forward

Step 1 - Create a project

- In the top-left corner, click the Jira home icon
- In the top-right corner, select Create project.



Step 2 - Pick a template

- The Jira template library houses dozens of templates across a variety of different categories, and is designed to get your team started quickly and successfully.
- You can choose a template from all the Jira products you own (Jira Software, Jira Service Management, and Jira Work Management). Today, Jira Software offers three templates:

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Pick a template contd...



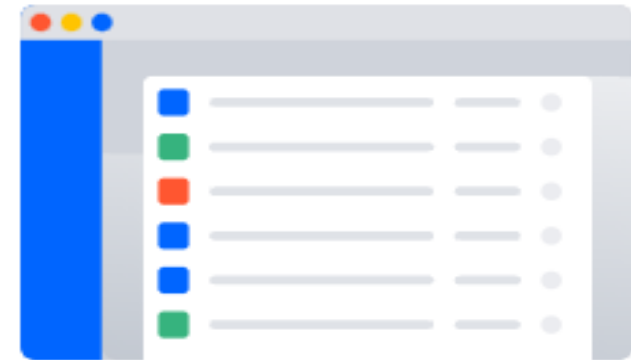
SCRUM

For agile teams that work from a backlog, plan and estimate their work in sprints, and deliver work on a regular schedule.



KANBAN

For agile teams that monitor work in a continuous flow (rather than in sprints), with a focus on managing in-progress work. (Includes the option of a kanban backlog.)



BUG TRACKING

For teams that don't need boards and prefer to manage development tasks and bugs in a list view.

Project Types

- For the scrum and kanban templates only, you will also be prompted to choose a project type.
- ❖ Team-managed projects are suited for independent teams who want to control their own working processes and practices in a self-contained space.
- ❖ Company-managed projects are set up and maintained by Jira admins. This project type is designed for teams who want to standardize a way of working across many teams, such as sharing a workflow.
- The fundamental difference between the two project types is how they are administered, and whether that occurs at the team level or at a company/Jira admin level.

Step 3 - Set up your columns

- A board can display issues from one or more projects and visually represent a team's workflow.
- Boards provide flexible viewing to help manage issues and report on work in progress.
- How you setup the columns on your board in the scrum and kanban templates depends if you're in a team-managed (directly from the board) or company-managed project (in board settings).

Company Managed

- Although there are many things you can configure on your board, we suggest just setting up columns for now. When you're getting started on a new Jira Software project, it's important to make your board reflect the way your team works.
- If you're not sure what your team's workflow is or should be, here is a resource to set up board columns:
 1. Navigate to your team's board by selecting Active sprints (for Scrum projects) or Kanban board (for Kanban projects) in the project menu on the left.
 2. Select more (•••) > Board settings in the top-right corner.
 3. Select Columns.
 4. Select Add column to add a column for each step in your team's process.

For example, if work needs to pass through a QA step before it's considered to be complete, you could add a column called "QA" and put it before Done.

Company Managed

The screenshot displays a Jira board interface with two main columns: 'IN PROGRESS' and 'DONE'. The 'IN PROGRESS' column contains two cards. The first card, labeled 'SB-3', is titled 'Provide performance and monitoring plans for 2017 Park strategies within the Commonwealth Planning FrameworkAnalyse' and has a 'Maintenance' label. The second card, labeled 'SB-6', is titled 'Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.' and has a 'New functionality' label. The 'DONE' column contains two cards. The first card, labeled 'SB-2', is titled 'As a user I want to be able to save useful filters' and has a 'Custom Filters' label. The second card, labeled 'SB-4', is titled 'Generate report on Western Hiking Trail decisions' and has a 'New functionality' label. A settings menu is open over the 'DONE' column, listing options: 'Board settings', 'Create board', 'Hide menus', 'Show detail view', 'Open issues in sidebar', 'Expand all swimlanes', 'Collapse all swimlanes', 'Hide epic labels', and 'Print cards'. At the top right of the board, there is a star icon, a clock icon, and the text '0 days remaining' and 'Complete sprint'.

within

SB-2

IN PROGRESS

Provide performance and monitoring plans for 2017 Park strategies within the Commonwealth Planning FrameworkAnalyse

Maintenance

5

SB-3

Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.

Custom Filters

New functionality

2

SB-6

DONE

As a user I want to be able to save useful filters

Custom Filters

New functionality

3

SB-2 Provide performance and monitoring plans for

Generate report on Western Hiking Trail decisions

SB-4

0 days remaining

Complete sprint

Board settings

Create board

Hide menus

Show detail view

Open issues in sidebar

Expand all swimlanes

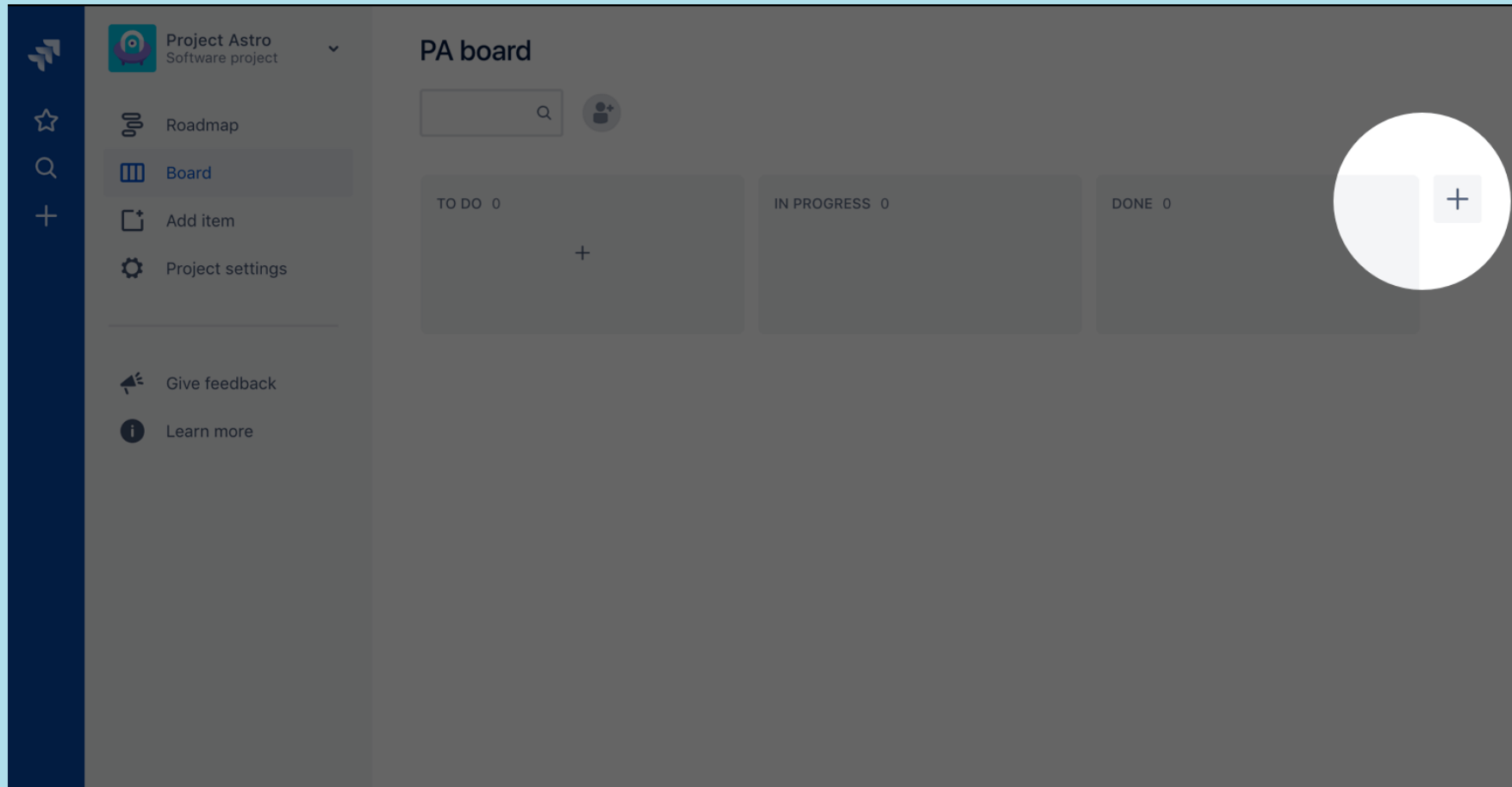
Collapse all swimlanes

Hide epic labels

Print cards

Team Managed

- The most important part about setting up your board is getting the columns right. Ideally, your board should reflect the way your team works. Select + to add a column to your board.



- Rearrange columns by dragging them in the order you want.


Step 4 - Create an issue


- Issues are the building blocks of your Jira Software project. An issue can represent a story, epic, bug, feature to be built or any other task in your project.


Company Managed


- Scrum and kanban are two frameworks for agile project management. In Jira Software, scrum vs. Kanban projects have different features to help teams that are using either framework.
- For Scrum teams: Select Backlog in the project menu on the left and then hit + Create issue to start adding work to your team's backlog.


Company Managed


 **Life**
Classic software project


 **Budget Board**


 **Roadmap** BETA


 **Backlog**


 **Active sprints**


 **Reports**


 **Issues**

 **Components**

 **Releases**


 **Project pages**

 **Add item**

 **Project settings**

Projects / Life / Budget

Backlog



Only My Issues

Recently Updated

Share

...

Start sprint

Plan sprint

...

0 issues

Estimate

0

Create sprint

...

Cancel

...

Our very first sprint

0 issues

Plan your sprint

As a team, agree on what work needs to be completed, and drag these issues to the sprint.

+ Create issue

Your backlog is empty.

What needs to be done?

New Story in Backlog

Team Managed

- For Scrum teams: Select Backlog in the project menu on the left and hit + Create issue to add an issue to your backlog.
- You also have the option of adding an issue directly to the sprint, if that's what you prefer.

Team Managed

The screenshot displays the Jira Team Managed interface for a project named "Meal plan" (Next-gen software project). The left sidebar contains navigation options: Roadmap, Backlog (selected), Board, Reports, Releases, Project pages, Add item, and Project settings. The main content area shows the "Backlog" view for the "Meal plan" project. At the top, there is a search bar, a user profile icon, and filters for "Epic" and "Versions". Below this, the "MPLAN Sprint 3" section is visible, indicating "0 issues". A large dashed box contains a "Plan your sprint" instruction: "Drag issues from the Backlog to this sprint. Select **Start sprint** when you are ready to start the sprint." Below this instruction is a "+ Create issue" button. The "Backlog" section below also shows "0 issues" and a "+ Create issue" button. The interface is clean and modern, with a light gray background and blue accents.

Meal plan
Next-gen software project

Roadmap

Backlog

Board

Reports

Releases

Project pages

Add item

Project settings

Projects / Meal plan

Backlog

Search

User Profile | Epic ▾ Versions ▾

▼ **MPLAN Sprint 3**
0 issues

Plan your sprint
Drag issues from the **Backlog** to this sprint. Select **Start sprint** when you are ready to start the sprint.

+ Create issue

▼ **Backlog**
0 issues

+ Create issue

- For Kanban teams: Select Board in the project menu on the left, hover over any of your columns, and click +. You can also create issues on the Backlog, if you have it enabled.
 - Both Scrum teams and Kanban teams can add large pieces of work on their **Roadmap**. The Roadmap is a place to visualize, plan, and manage work. Learn more about managing work on roadmap
1. In the project menu, select **Roadmap**.
 2. Start typing, then hit enter to create your first epic.



Meal plan
Next-gen software project



Roadmap



Backlog



Board



Reports



Releases



Pages



Add item



Project settings



You're in a next-gen project
[Give feedback](#) [Learn more](#)

Projects / Meal plan

Roadmap



Status ▾

Epic

OCT



What needs to be done?

You can then add smaller pieces of work to the issue. Hover over the epic. Click **+ Add a child issue**.

Step 5 - Invite your team

- It's time to get the party started! Once you have enough work represented on your board, start inviting team members.
- To get your team involved, start by adding each team member to your Jira site:

Company Managed

- In the project menu on the left, select Project settings.
- Select People.
- In the top-right corner, select Add people.
- Search for your team member's email address, and select Add.

Team Managed

1. Navigate to either your Board or Backlog.
2. At the top of the screen, select Add people.
3. Search for your team member's email address and select Add.

Team Managed

The screenshot displays the Jira 'Team Managed' interface for a project named 'Project Nucleus' (Software project). The left sidebar contains navigation options: Roadmap, Backlog (selected), Board, Reports, Pages, Add item, and Project settings. At the bottom of the sidebar are links for 'Give feedback' and 'Learn more'. The main area is titled 'Backlog' and includes a search bar, three team member avatars, and a highlighted 'Add people' button. Below this, a dropdown menu shows 'Board' with '9 issues'. The backlog list contains the following items:

- Redesign the home page
- Investigate feasibility of mobile port, and create a list of recommendations
- Investigate shopping cart bug
- Provision laptops for July new starters
- FY19 roadmap planning
- Checkout page redesign
- Establish FY19 focus areas
- Redesign home icon
- Check in with data analyst

Step 6 - Move work forward

- Now that your team is in your Jira site, you're ready to collaborate and track work together. If you're in a scrum project, you'll need to create and start a sprint to begin tracking work.
- If you're in a kanban project, you can start tracking work on the board. To track work items, move an issue from one column to another as it progresses through your team's workflow.

Company Managed

- Make sure to leave comments on issues so that everyone on the team can follow what's going on; this creates an open way of working, instead of restricting communicating between two people via private emails.

Company Managed

The image shows a Kanban board with three columns: TO DO, IN PROGRESS, and DONE. Each column contains user stories represented as cards. The cards include details such as filters, new functionality, and upgrade status, along with a progress indicator (a circle with a number and four dots).

TO DO

- As a user I want to be able to save useful filters**
Custom Filters
New functionality
Progress: 3/4 (green icon, up arrow, 3 in circle, 4 dots)
SB-1
- Provide performance and monitoring plans for 2017 Park strategies within the Commonwealth Planning FrameworkAnalyse**
Nanotechnology
Upgrade
Progress: 8/8 (green icon, up arrow, 8 in circle, 4 dots)
SB-2

IN PROGRESS


- Provide performance and monitoring plans for 2017 Park strategies within the Commonwealth Planning FrameworkAnalyse**
Maintenance
Progress: 5/5 (green icon, up arrow, 5 in circle, 4 dots)
SB-3
- Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.**
Custom Filters
New functionality
Progress: 2/4 (green icon, up arrow, 2 in circle, 4 dots)
SB-6

DONE


- SB-2 Provide performance and monitoring plans for 2017 Park strate...**
Generate report on Western Hiking Trail degradation
Progress: 4/4 (blue icon, up arrow, 4 dots)
SB-4


Team Managed

TO DO 5

Redesign the home page
FRONTEND REDESIGN
PN-3 


Establish FY19 focus areas
FY19 PLANNING
PN-21





Redesign home icon
PAPERCUTS
PN-23 


Check in with data analyst
STAKEHOLDER SIGNOFF


IN PROGRESS 5

Provide list of requirements for team
STAKEHOLDER SIGNOFF
PN-22 

Investigate shopping cart bug
PAPERCUTS
PN-6 





Provision laptops for July new starters
PN-7 

FY19 roadmap planning
PN-4 

Checkout page redesign


IN REVIEW 1




Investigate feasibility of mobile port, and create a list of recommendations
FRONTEND REDESIGN
PN-9 

+

DONE 1



Buy a cake to celebrate the team's FY18 success
✓ PN-10 

+

Looking for an older issue?

Reference

<https://www.atlassian.com/software/jira/guides/getting-started/basics?tab=#step-6-move-work-forward>