

## Software Engineering Tools Lab

### Assignment No-3

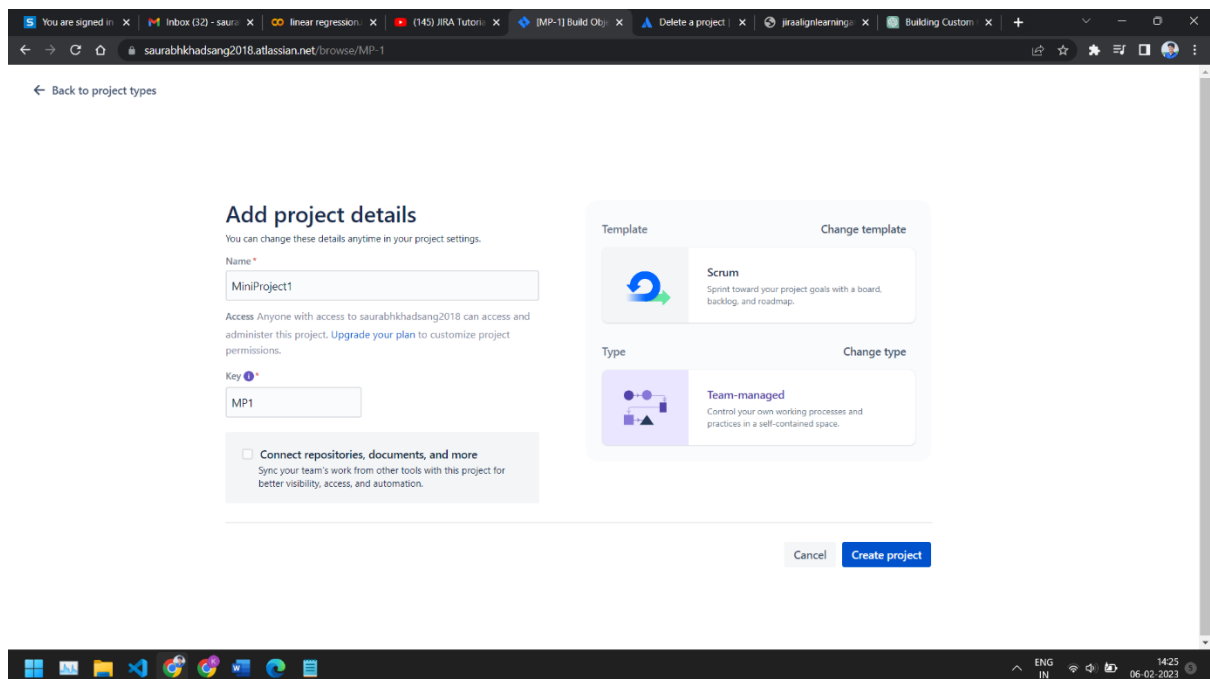
#### Module 3- Study of Project Management Tool (Jira)

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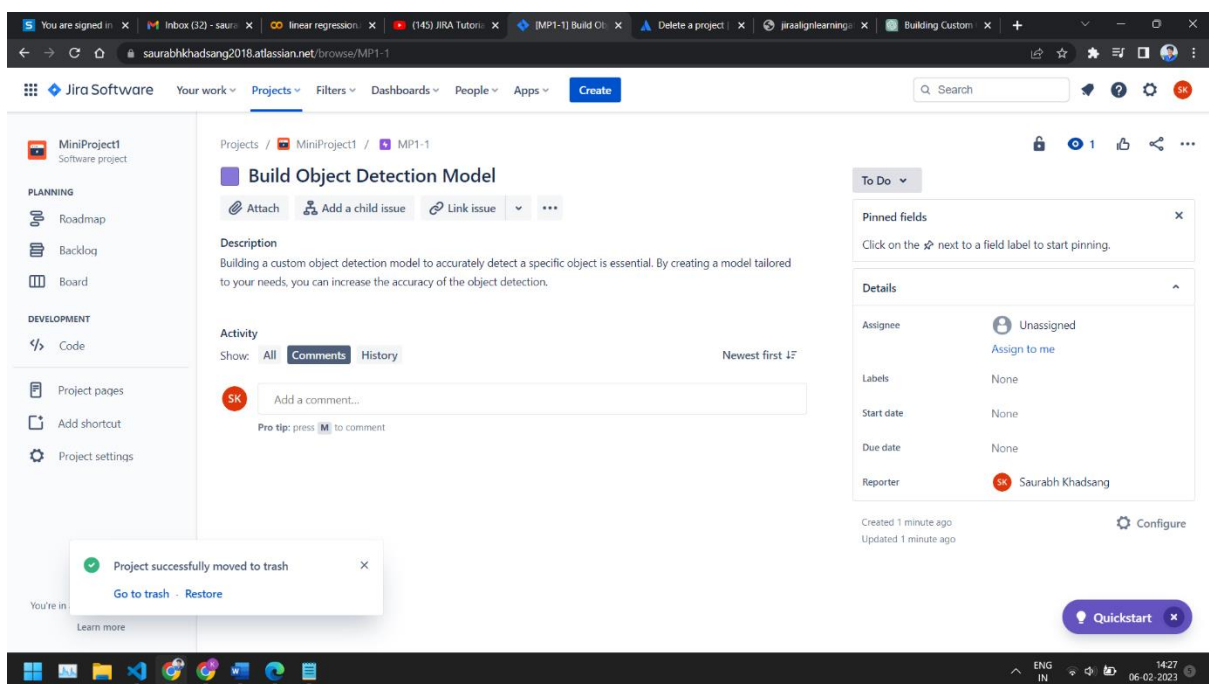
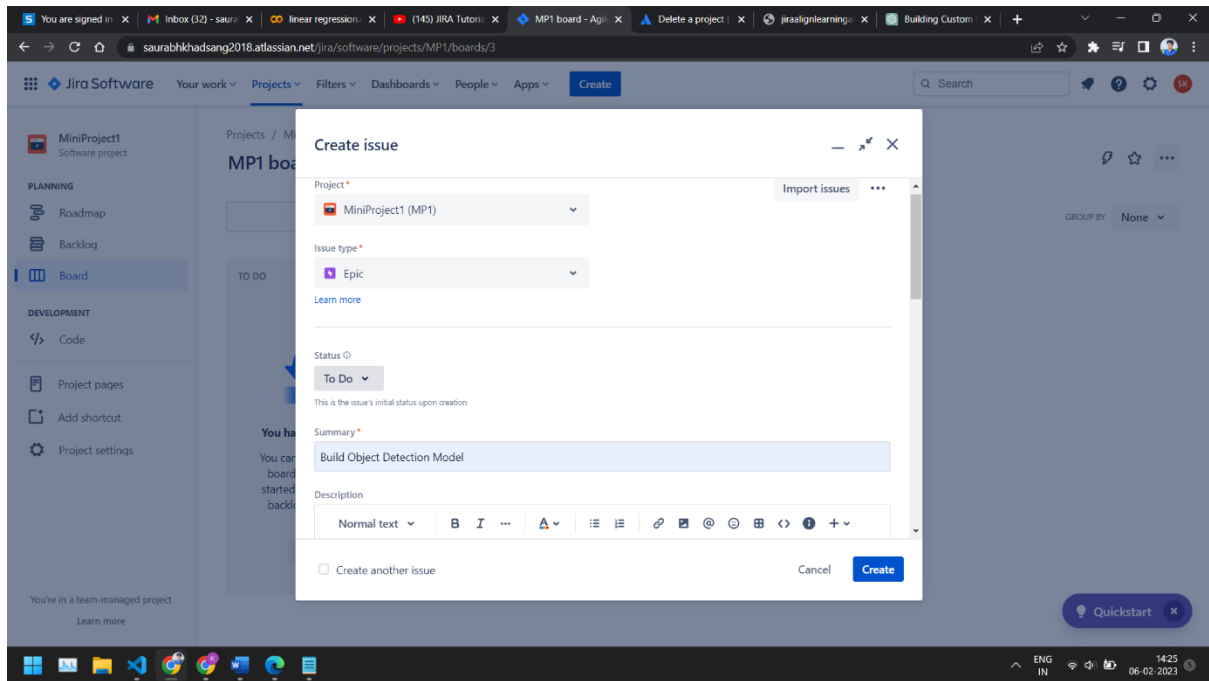
#### 1) Create a project (give name of your project) in Jira, use template as Scrum and add your team members into this project

To create a project in Jira, you will need to access the Jira platform and log in to your account. From there, you can click on the "Create project" button and choose the Scrum template. You can then give your project a name, add a description if desired, and invite your team members to join the project.



## 2) Create an Epic into above project (main requirement of your project, e.g Creating a web application for student result generation).

To create an Epic, you can click on the "Epics" panel in your project and select "Create Epic." Enter the main requirement of your project in the title field and add a description if needed.



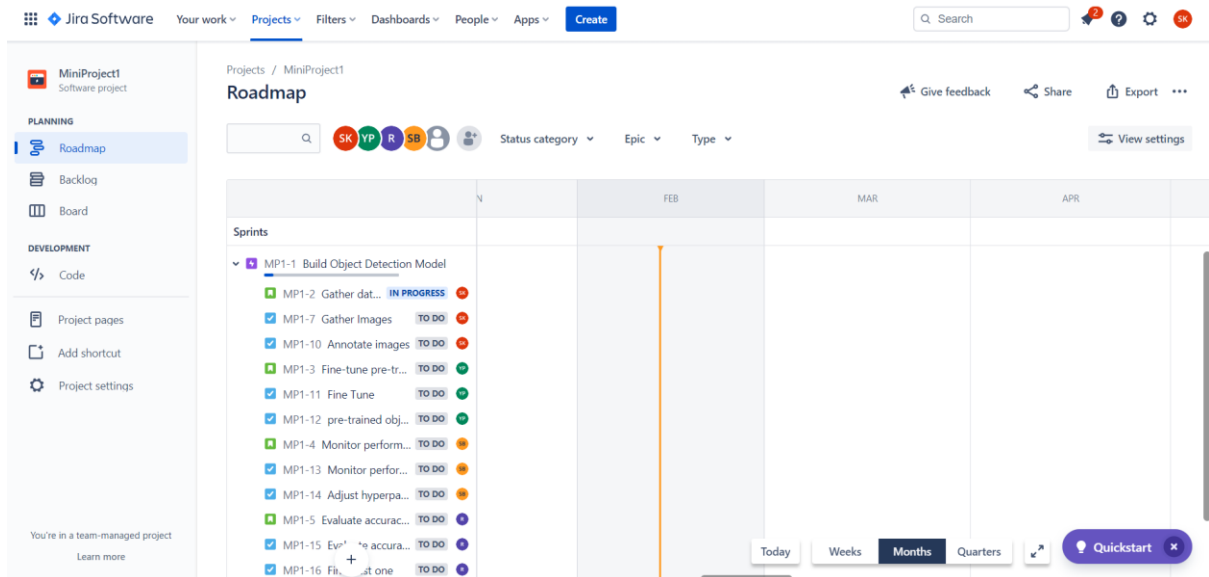
### 3) Create at least 5 user stories with respect to above epic for your project.

To create user stories, click on the "Issues" panel and select "Create issue." Choose the "Story" issue type and enter a brief description of the user story in the title field. Repeat this step for at least 5 user stories.

The image shows two screenshots of the Jira Software interface. The top screenshot displays the 'Create issue' dialog box. The 'Project' is set to 'MiniProject1 (MP1)', the 'Issue type' is 'Story', and the 'Status' is 'To Do'. The 'Summary' field contains the text 'Gather dataset of custom objects and annotated them'. The 'Description' field is empty. The bottom screenshot shows the 'Roadmap' view for the 'MiniProject1' project. It displays a timeline with columns for January, February, March, and April. Under the 'Sprints' section, there is an epic 'MP1-1 Build Object Detection Model' which contains six user stories: 'MP1-2 Gather dataset of cus...', 'MP1-3 Fine-tune pre-trained...', 'MP1-4 Monitor performance...', 'MP1-5 Evaluate accuracy, re...', and 'MP1-6 Deploy the model for...'. A notification at the bottom left states 'You've created "MP1-4" issue' with a 'View issue' and 'Copy link' option.

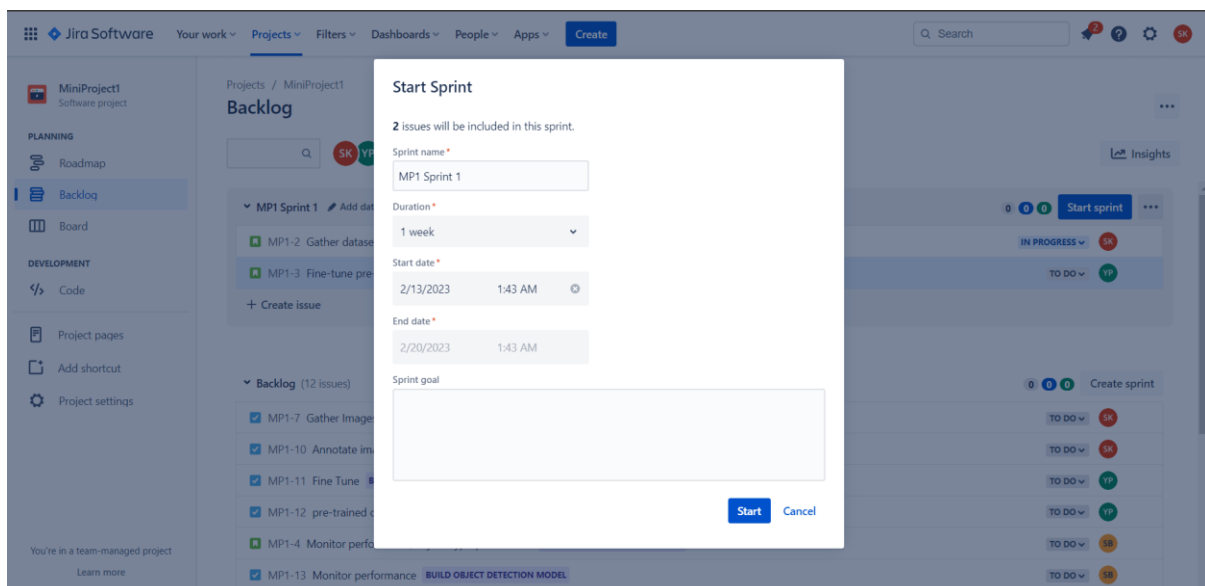
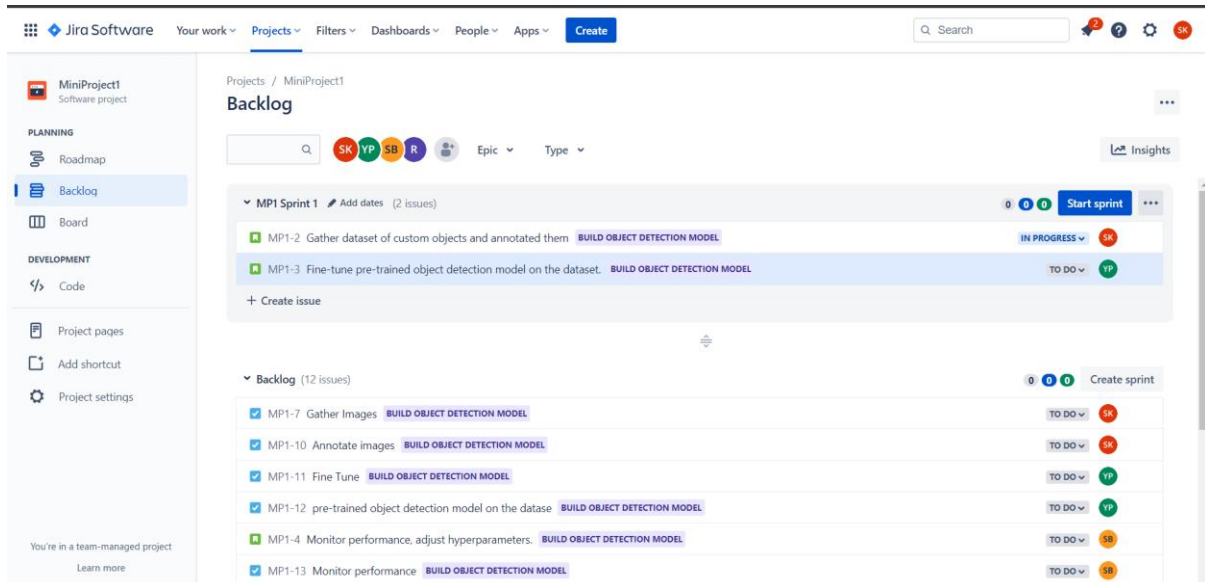
#### 4) Create at least 2 subtasks for every user story. Assign user stories to your team members.

To create subtasks for each user story, click on the user story you want to add a subtask to, select "Create task," and enter a brief description of the subtask in the title field. Repeat this step for each user story. Assign each user story to a team member by clicking on the "Assignee" field and selecting the appropriate team member.



## 5) Create sprints for every use stories and prioritize them according to your tasks. Assign time period for every user story.

To create sprints, you can click on the "Backlog" panel and select "Create sprint." Enter a name for the sprint, select the start and end dates, and choose the user stories you want to include in the sprint. Prioritize the user stories by dragging and dropping them in the order you desire. Assign a time period for each user story by clicking on the "Estimate" field and entering the estimated time.



MiniProject1  
Software project

PLANNING

- Roadmap
- Backlog
- Board

DEVELOPMENT

- Code

- Project pages
- Add shortcut
- Project settings

You're in a team-managed project  
[Learn more](#)

Projects / MiniProject1

All sprints

Q

SK

SB

R

YP

Epic

Type

Sprint

Complete sprint

...

GROUP BY: 

None

Insights

TO DO 7 ISSUES

Fine-tune pre-trained object detection model on the dataset.  
BUILD OBJECT DETECTION MODEL

MPI-3

TP

Monitor performance, adjust hyperparameters.  
BUILD OBJECT DETECTION MODEL

MPI-4

SB

Monitor performance  
BUILD OBJECT DETECTION MODEL

MPI-13

SB

Adjust hyperparameters  
BUILD OBJECT DETECTION MODEL

IN PROGRESS 1 ISSUE

Gather dataset of custom objects and annotated them  
BUILD OBJECT DETECTION MODEL

MPI-2

SK

DONE ✓

Quickstart

x

## 6) Update the status of some user stories as To Do, In Progress or Completed according to sprints (add appropriate comments).

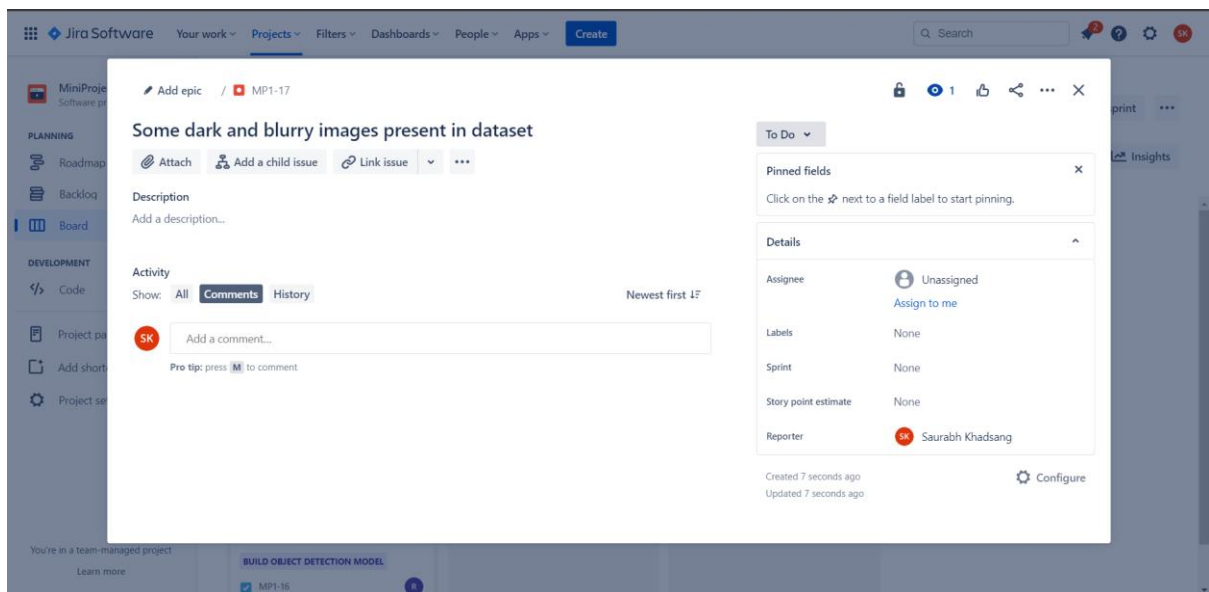
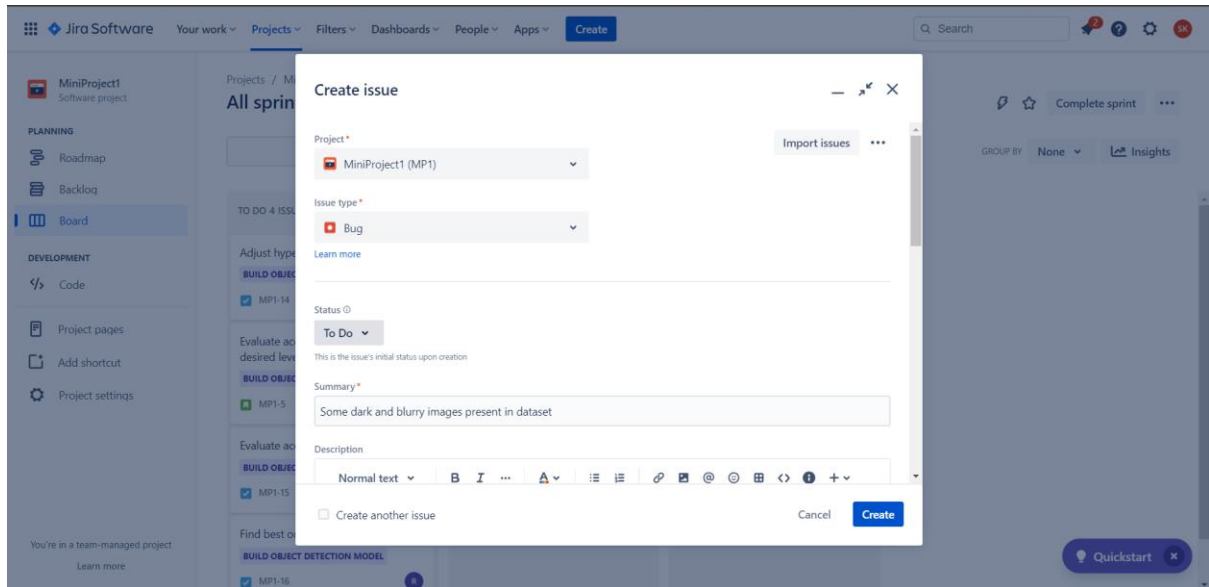
To update the status of user stories, you can click on the user story and select "Edit." Change the status to "To Do," "In Progress," or "Completed" and add appropriate comments in the "Comment" field.

The screenshot displays the Jira Software interface for a project named 'MiniProject1'. The left sidebar shows navigation options: PLANNING (Roadmap, Backlog, Board), DEVELOPMENT (Code), and Project pages (Project pages, Add shortcut, Project settings). The main area is titled 'All sprints' and shows a Kanban board with three columns: 'TO DO 4 ISSUES', 'IN PROGRESS 2 ISSUES', and 'DONE 2 ISSUES'. Each column contains user stories with titles, descriptions, and status indicators. A 'Quickstart' button is visible in the bottom right corner.

Column	Issue ID	Title	Description	Status
TO DO 4 ISSUES	MP1-14	Adjust hyperparameters	BUILD OBJECT DETECTION MODEL	SB
	MP1-5	Evaluate accuracy, repeat until desired level achieved.	BUILD OBJECT DETECTION MODEL	R
	MP1-15	Evaluate accuracy 1	BUILD OBJECT DETECTION MODEL	R
	MP1-16	Find best one	BUILD OBJECT DETECTION MODEL	R
IN PROGRESS 2 ISSUES	MP1-4	Monitor performance, adjust hyperparameters.	BUILD OBJECT DETECTION MODEL	SB
	MP1-13	Monitor performance	BUILD OBJECT DETECTION MODEL	SB
DONE 2 ISSUES	MP1-2	Gather dataset of custom objects and annotated them	BUILD OBJECT DETECTION MODEL	SK
	MP1-3	Fine-tune pre-trained object detection model on the dataset.	BUILD OBJECT DETECTION MODEL	YP

## 7) Create a bug/issue for respective user story and epic and assign to respective member.

To create a bug or issue, click on the "Issues" panel and select "Create issue." Choose the appropriate issue type (e.g. "Bug") and enter a brief description of the issue in the title field. Assign the issue to a team member by clicking on the "Assignee" field and selecting the appropriate team member.





## 8) Display reports (Burnup chart, Burndown chart) w.r.t your created project.

To display reports, you can access the "Project pages" panel and choose the report you want to view. The report will display information and data related to your project, including sprint progress, user story status, and more.

