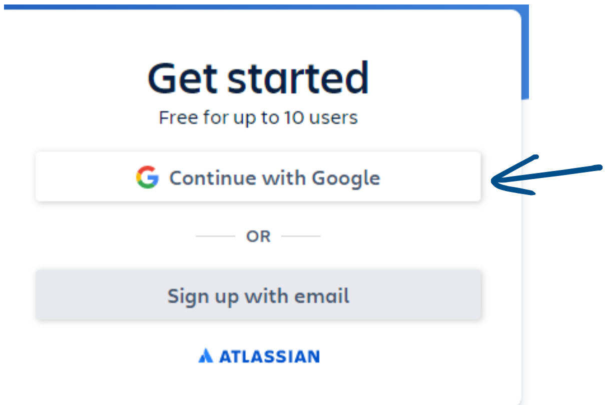
ECSE365L – Agile Software Development
Lab 05 – JIRA project with Kanban board

The scale of software project development is vast, and the managers must track the project's progress with various team members at different geographical locations. Let's get started with JIRA, a widely known solution for agile teams, to create our first project.

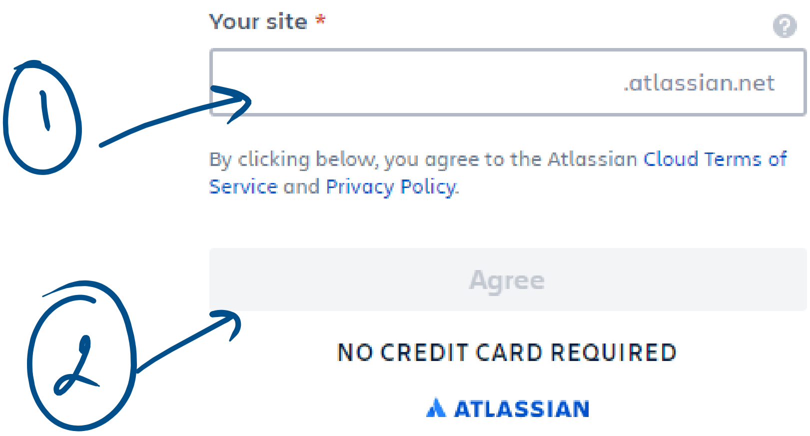
1. Use the following link to create a free account for up to 10 users.

   https://www.atlassian.com/software/jira/free?utm_source=coursera&utm_medium=jira&utm_campaign=agile

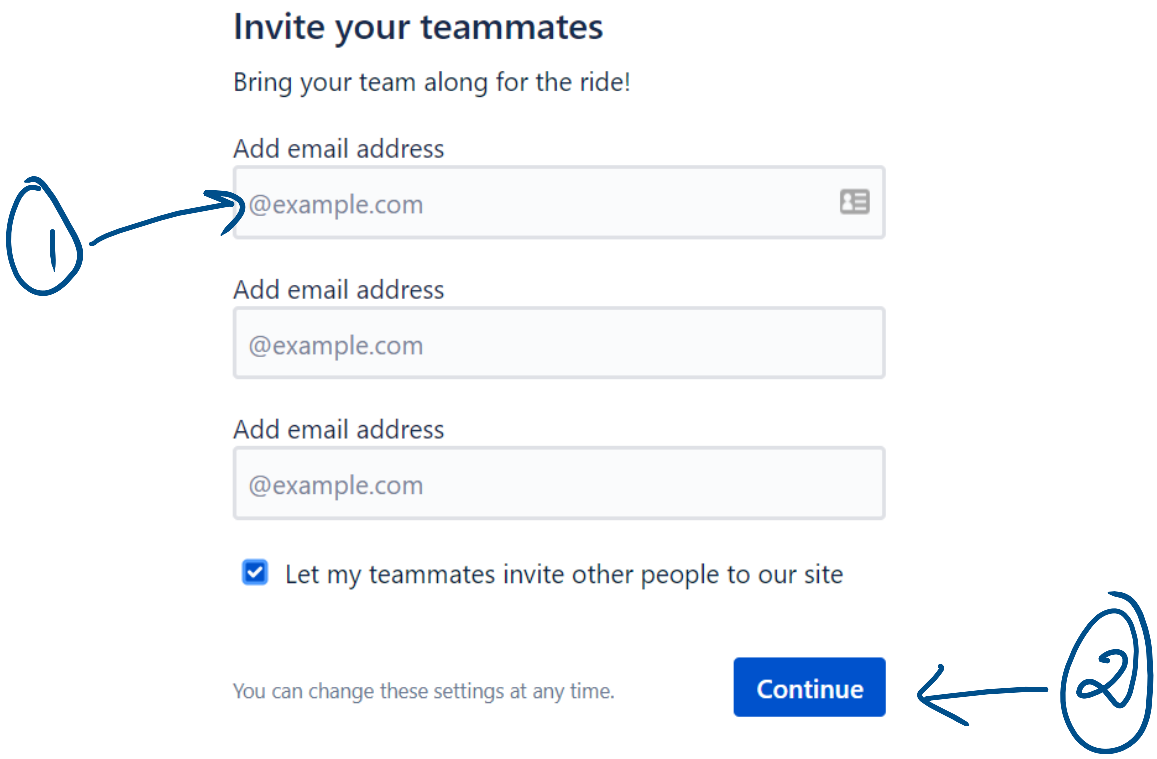
2. You can use your Google account to register.



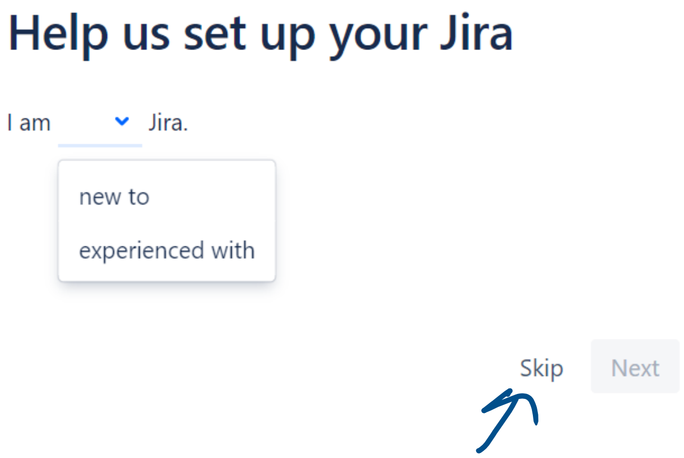
3. When you are asked to provide a site name, you can enter any name that you want, such as your team name or your first name and last name initial (if it is available). This name is used to access your Jira account at (https://[your_site_name].atlassian.net).



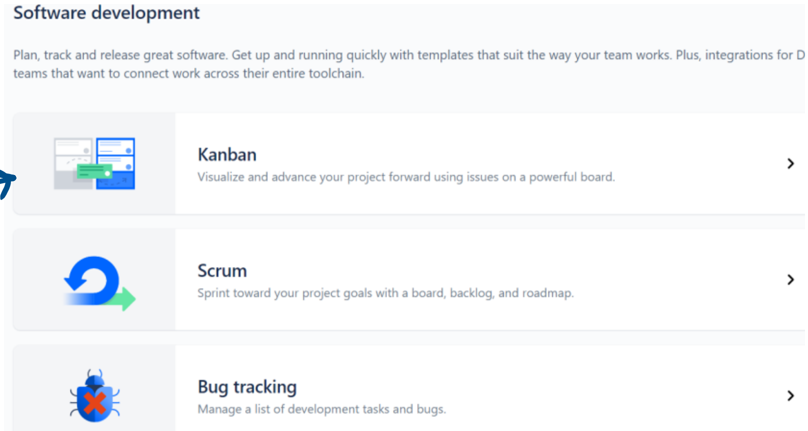
4. You may invite a team member in the next screen and select the next button [add your faculty email in that box – check MS team thread for email ID].



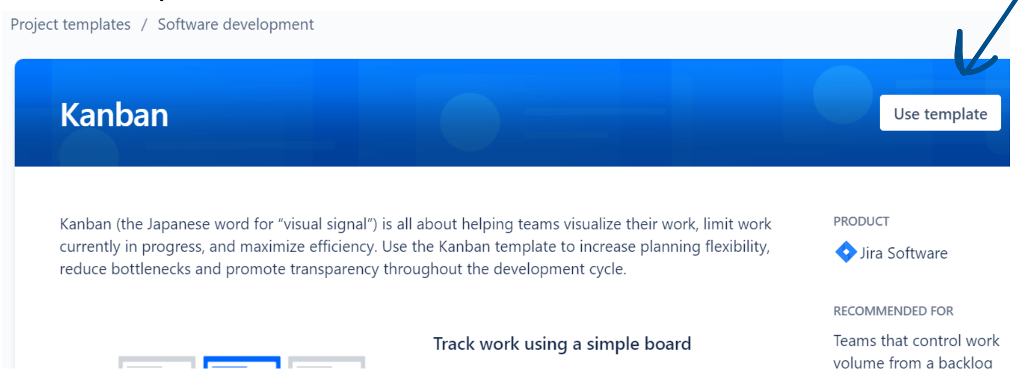
5. In the next screen, you may answer some questions that help to set up your environment, or you may also skip.



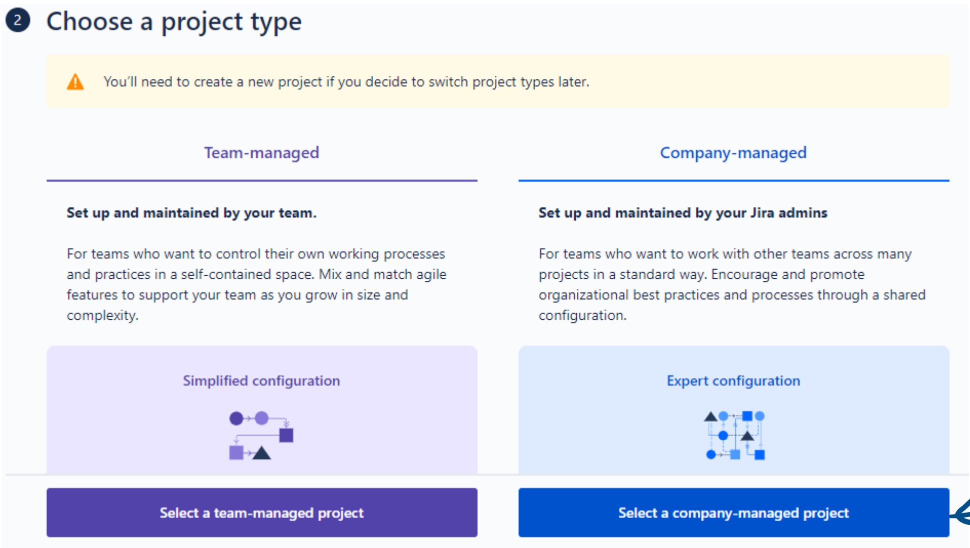
6. On the Project templates screen, select Software development on the left and select the Kanban template.



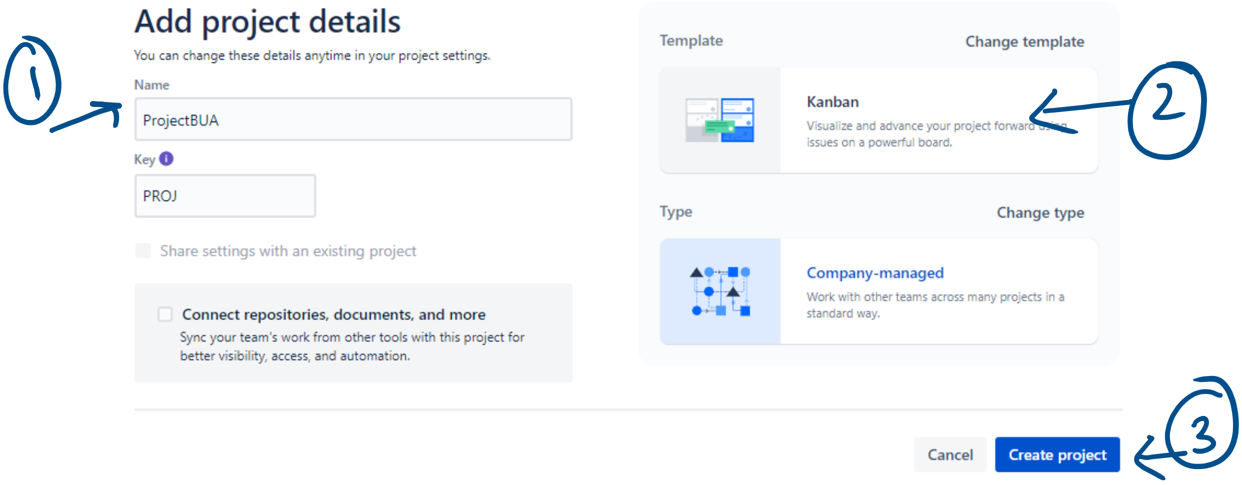
7. Click Use template.



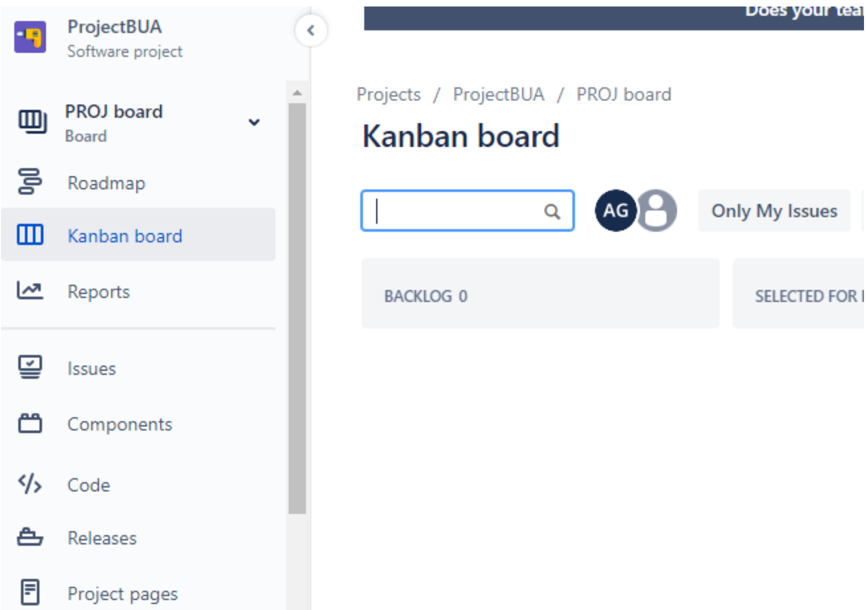
8. Click Select a company-managed project



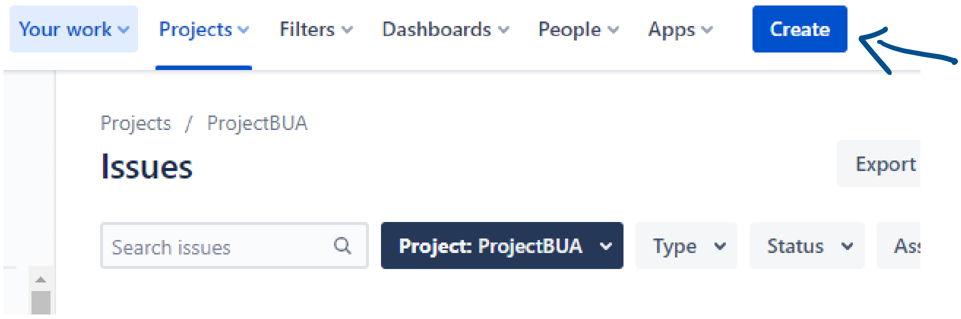
9. In the Create project window, enter **ProjectBUA** for the project name. Leave the Key value at its default value. Check that the template is Kanban. Click create.



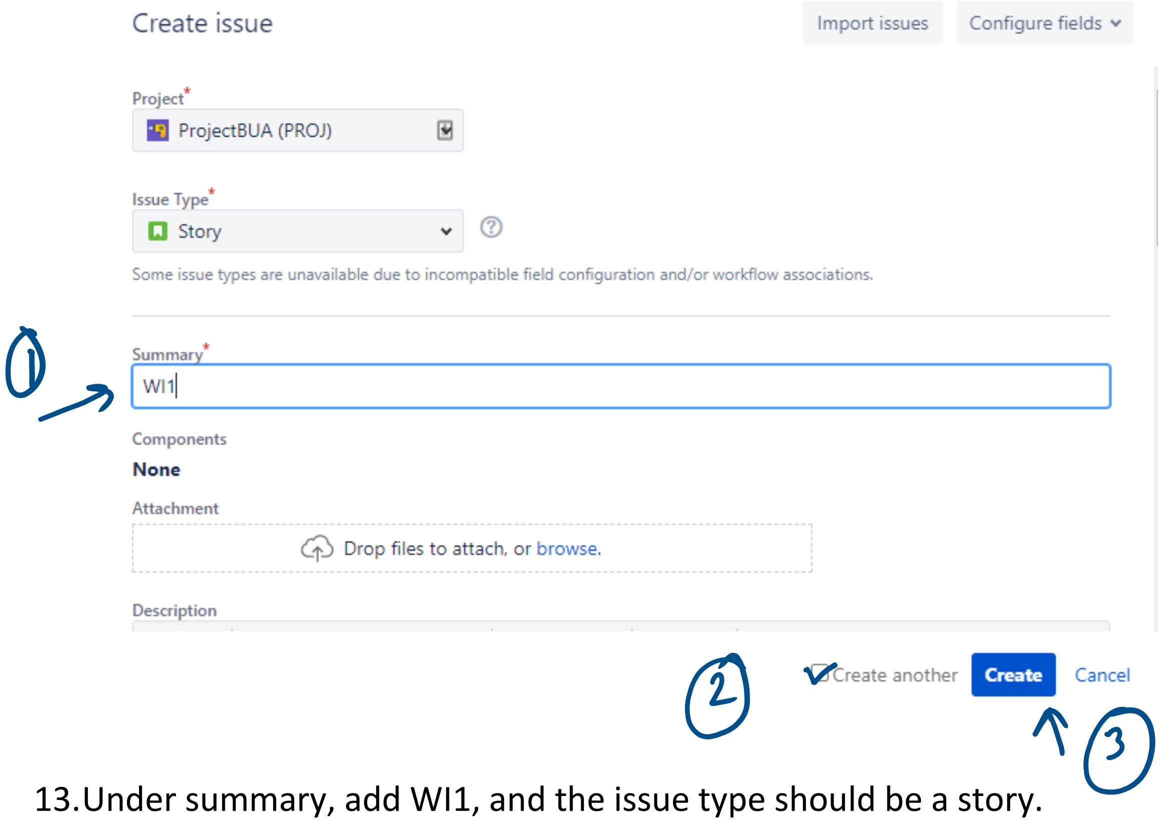
10. You should see the kanban board for your project.



11. Next, you have to create issues in the project. Issues are the work items/stories. Click on the create button on the top to create new issues.



12.You will see the following screen post clicking the create button.



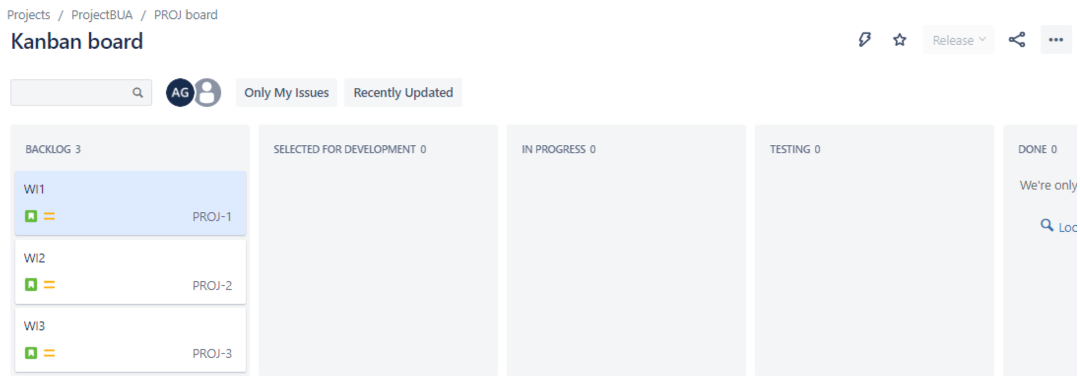
13.Under summary, add WI1, and the issue type should be a story.

14.We have to create two more issues as WI2 and WI3. Hence, click on create another checkbox and click the create button.

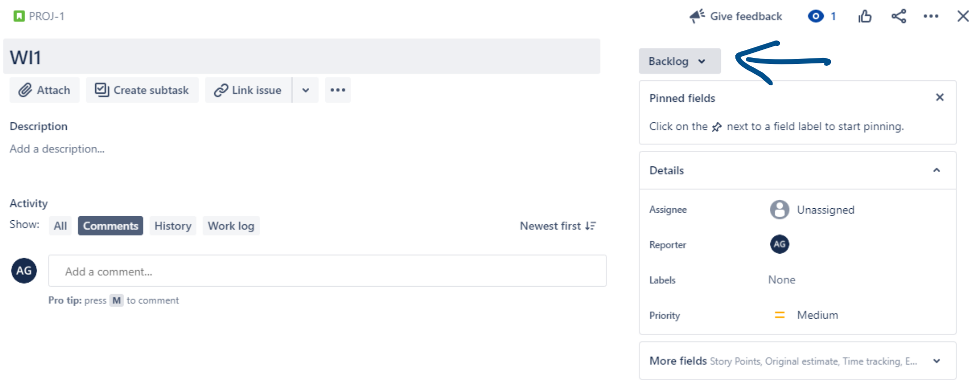
15.Now, create issue WI2.

16.Create issue WI3.

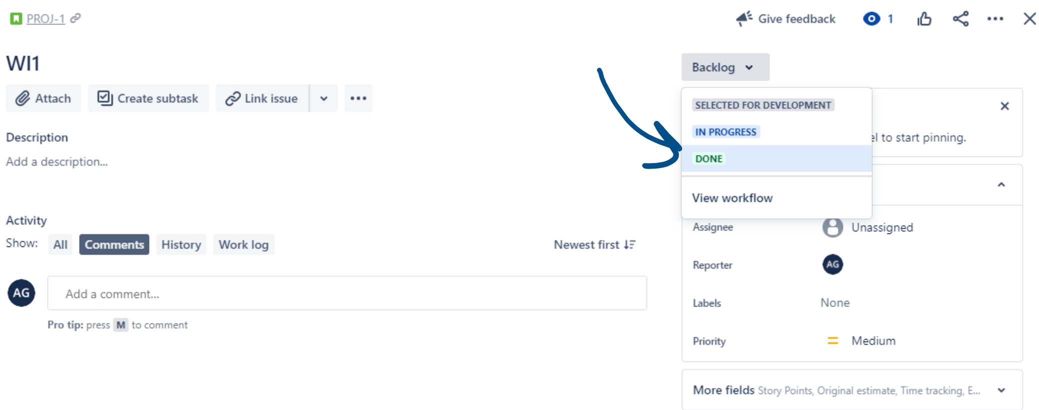
17. Click on the **back to project** option on the left pane and select the Kanban board option, and you will see three issues created as your backlog items in the backlog column.



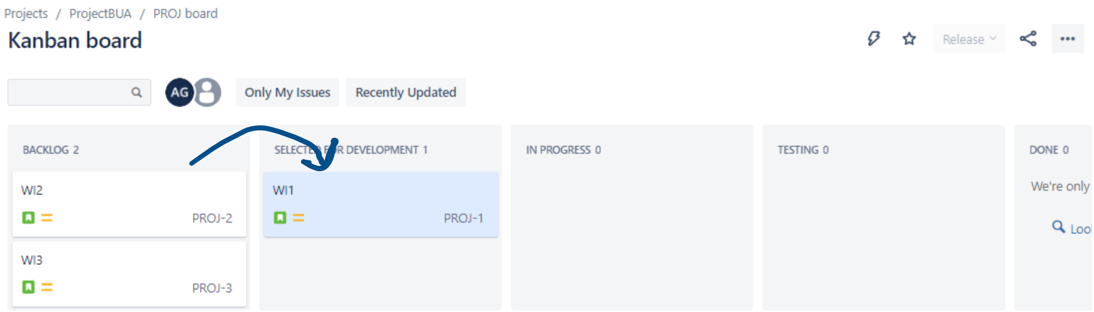
18. You can click the issues to see it's details in the Kanban board. You can notice the column name in the dropdown box in the top right of the figure that denotes the current status of the issue.



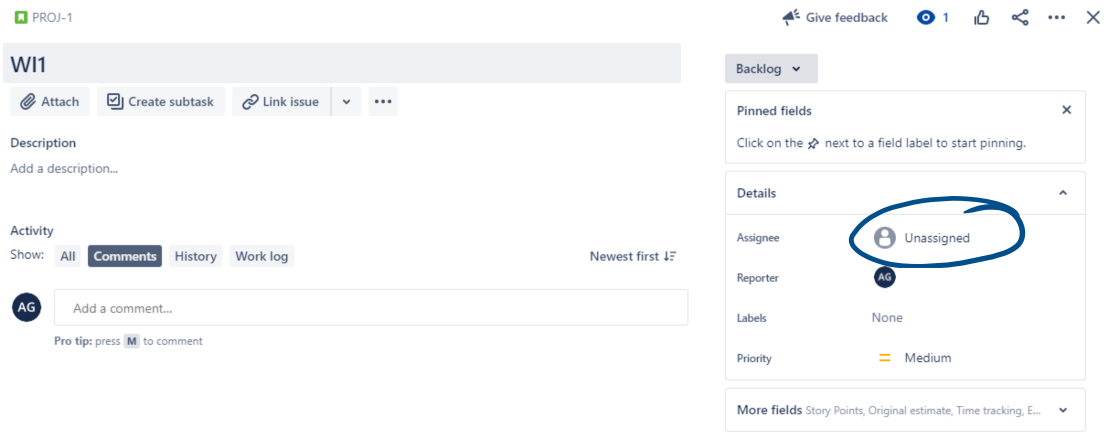
19. You can also change the status of the issue from the dropdown (e.g., Selected for development).



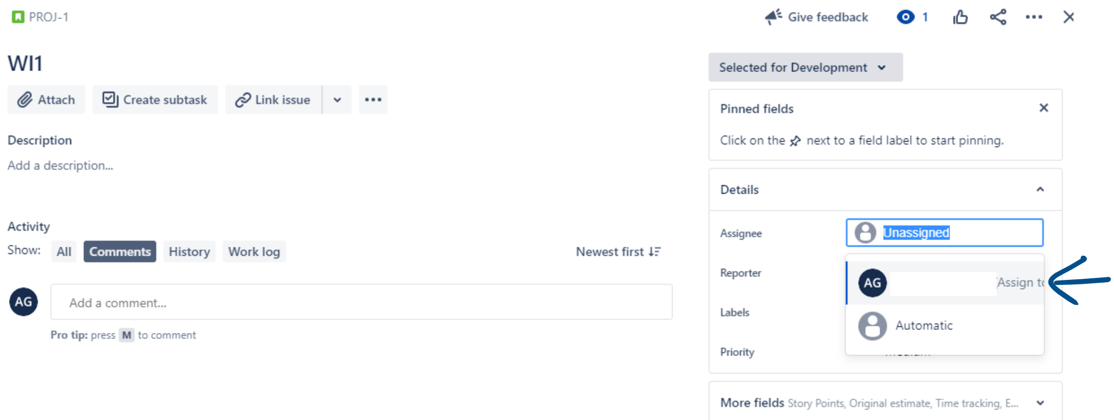
20. You can also drag and drop issues to a new column in your workflow.



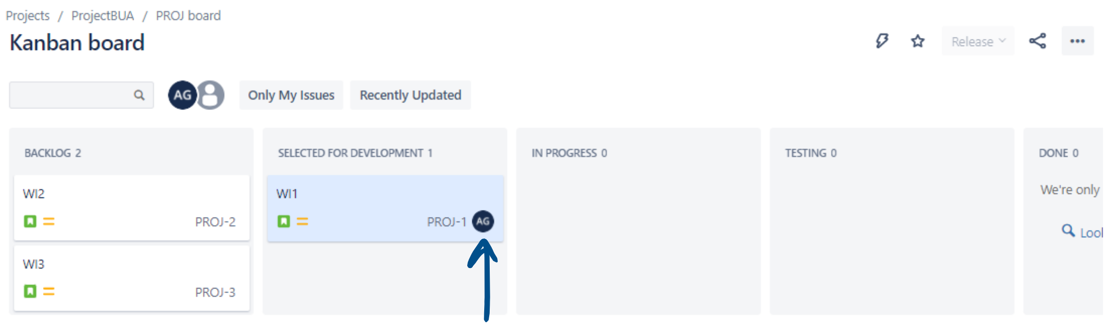
21. Open the WI2 issue by clicking on it. You can notice that in the assignee field, it shows unassigned.



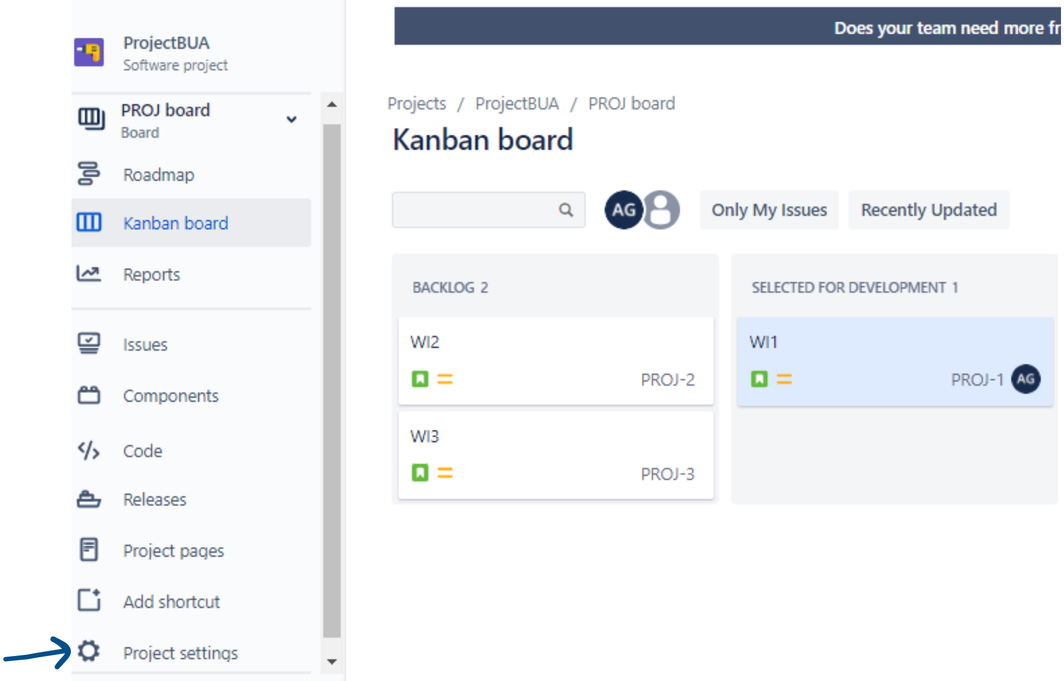
22. Click on unassigned and select assigned to me option from the dropdown. This denotes everyone in the team that you are responsible for the WI1 issue.



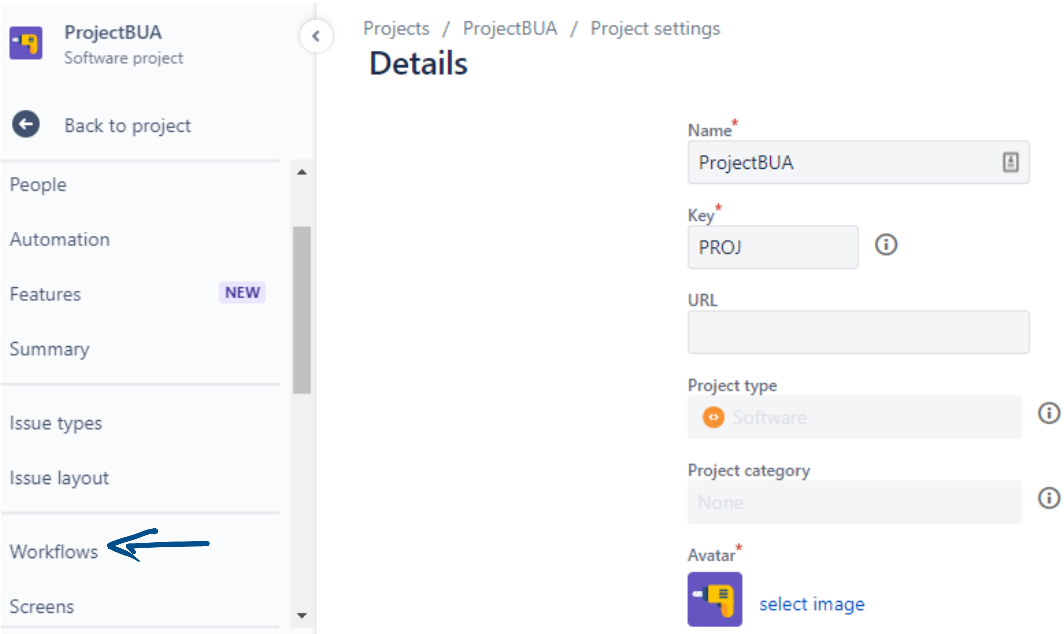
23. Close the issue detail window, and now you will see that you are reflected on the issue on the board.



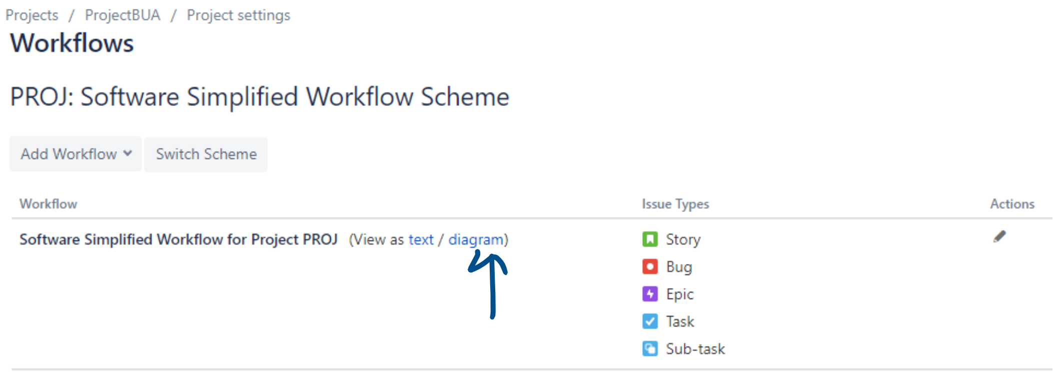
24.Click on the project settings in the left pane of your project board.



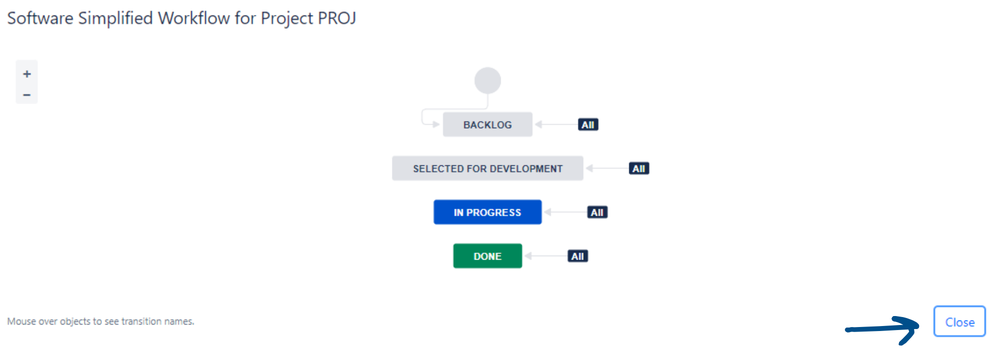
25.Click on the workflows option in the left pane of project settings.



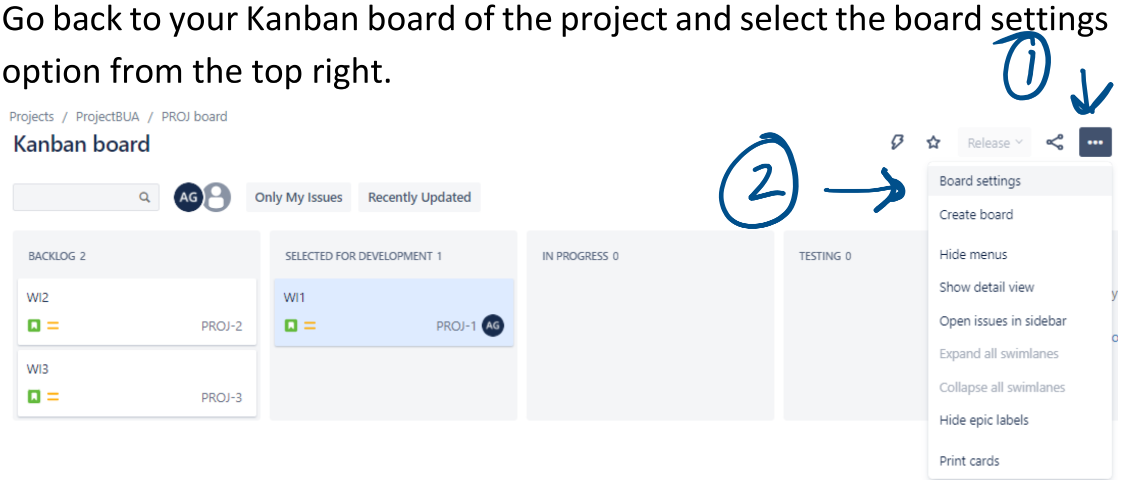
26. You should be able to see the screen, as shown below.



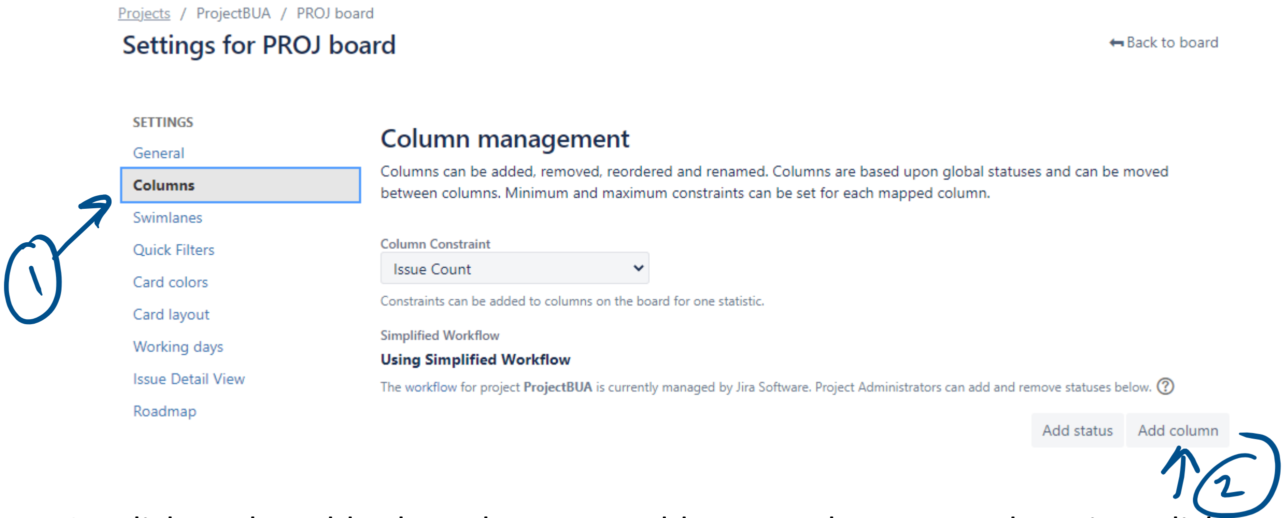
27. Click on view as a diagram link. The next screen will show you the project workflow (i.e., the columns).



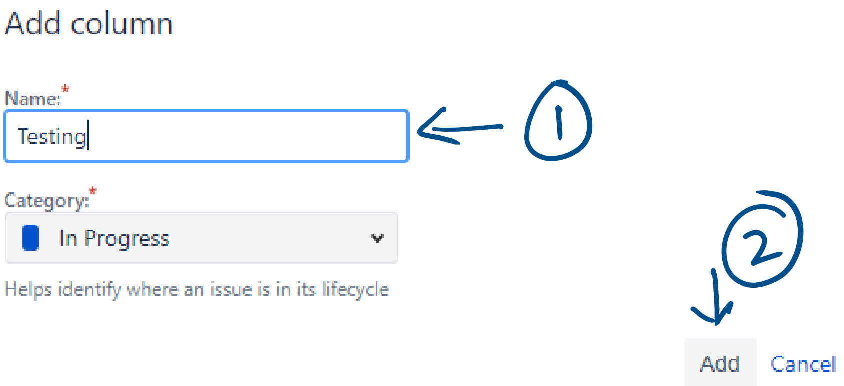
28. Close the diagram.
29. Go back to your Kanban board of the project and select the board settings option from the top right.



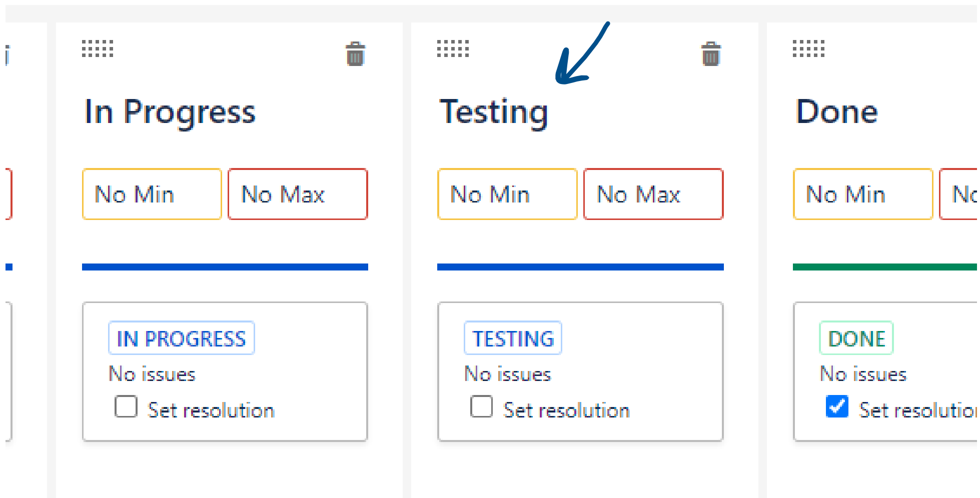
30. Click on the columns tab in the board settings. You will see all four default columns for your project.



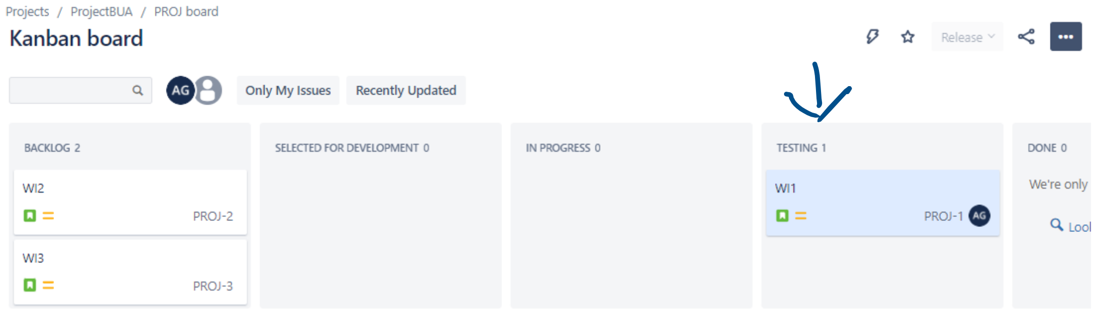
31. Click on the Add column button to add a new column named Testing. Click on the Add button after entering the name of the column.



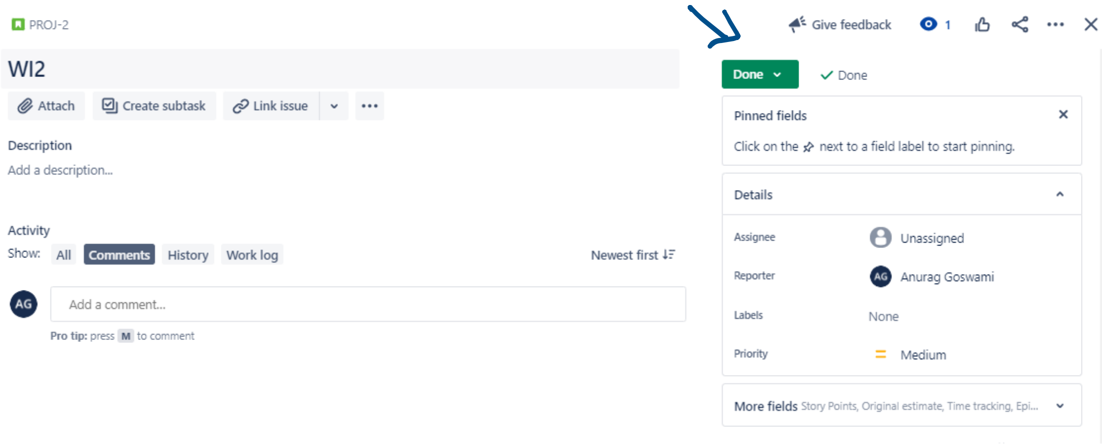
32. You can now see that a Testing column is added before the Done column.



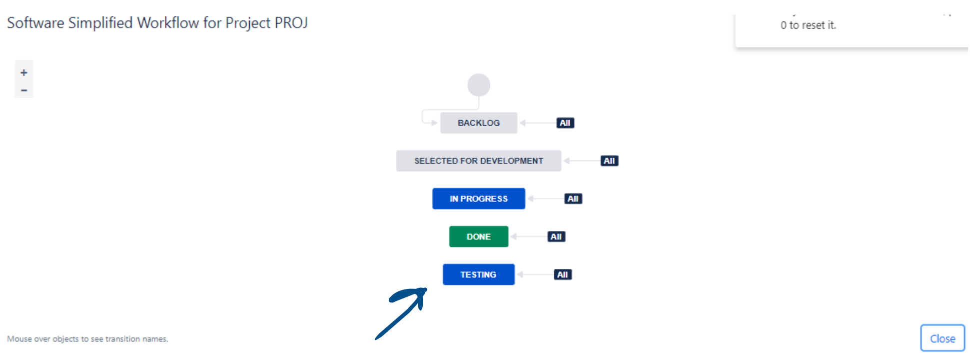
33. Go back to your Kanban board.
34. Drag your WI1 issue to the Testing column. If it does not let you drag, then refresh the page and try again.



35. Open the WI2 issue by clicking on it and change the status of the issue to Done. You will see that the status checkmark and done indicator is shown in green. This represents that the issue is now Completed/done.

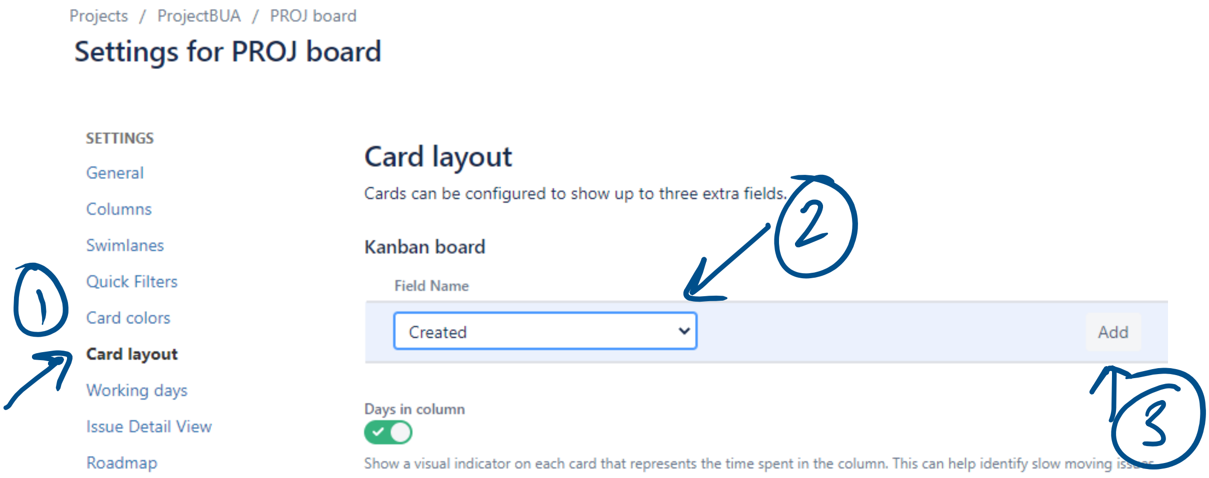


36. Change WI2 status to Testing, and you will see that the done indicator is now gone.
37. Check the workflow diagram of your project now. It should show the Testing column at the end (as it is added last).

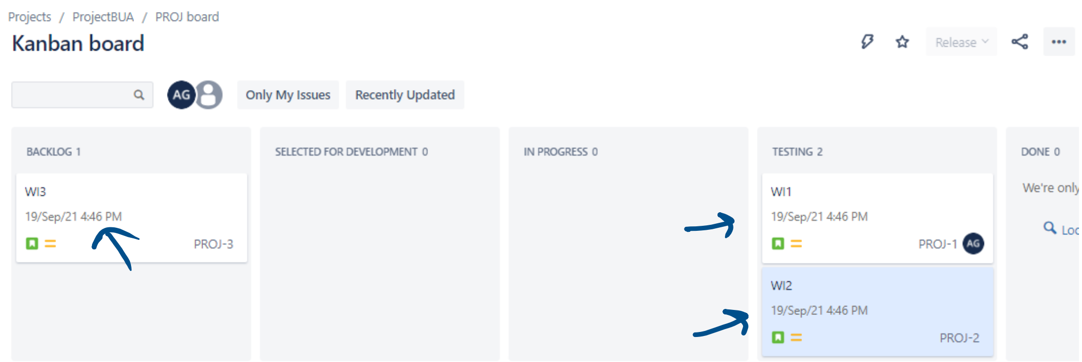


38.Go back to your Kanban board and open any card to see it's details. Identify all the fields available for a card. Let's add created fields to the cards, which will show the timestamp of when the card was created.

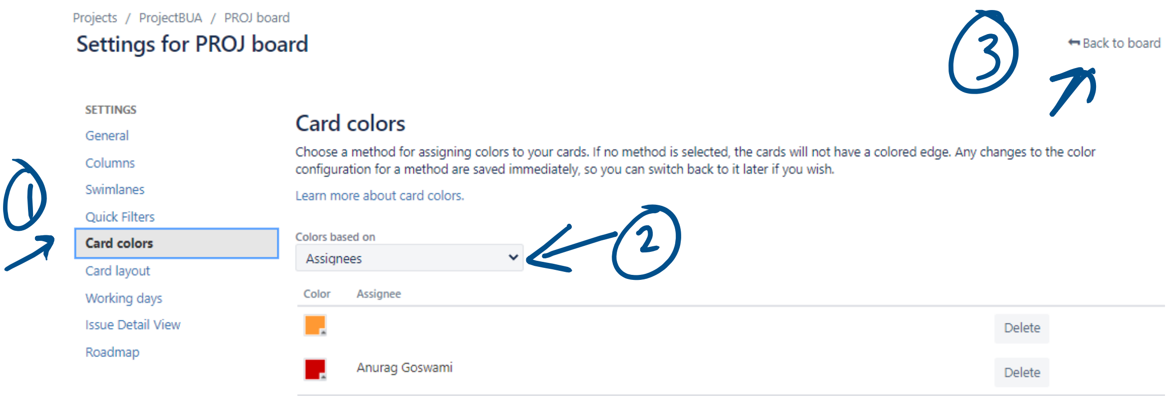
39.Goto the board settings → Click on card layout option. From the field name dropdown, select the created option and click on the Add button.



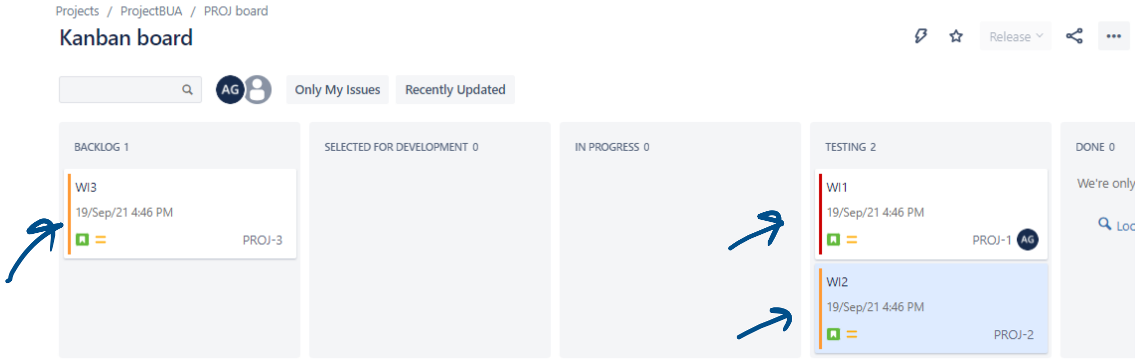
40.Now, you can see the creation date and time of each card.



41.In the card color tab in the board settings, change the colors based on the assignee.



42. Go back to your board, and you can see the changes reflected on the cards.



Submit an MS Word file that contains your final Kanban board as your assignment on LMS.

NOTE: Don't forget to add your instructor in your team.

Ref: Altassian