

Software Engineering Tools Lab

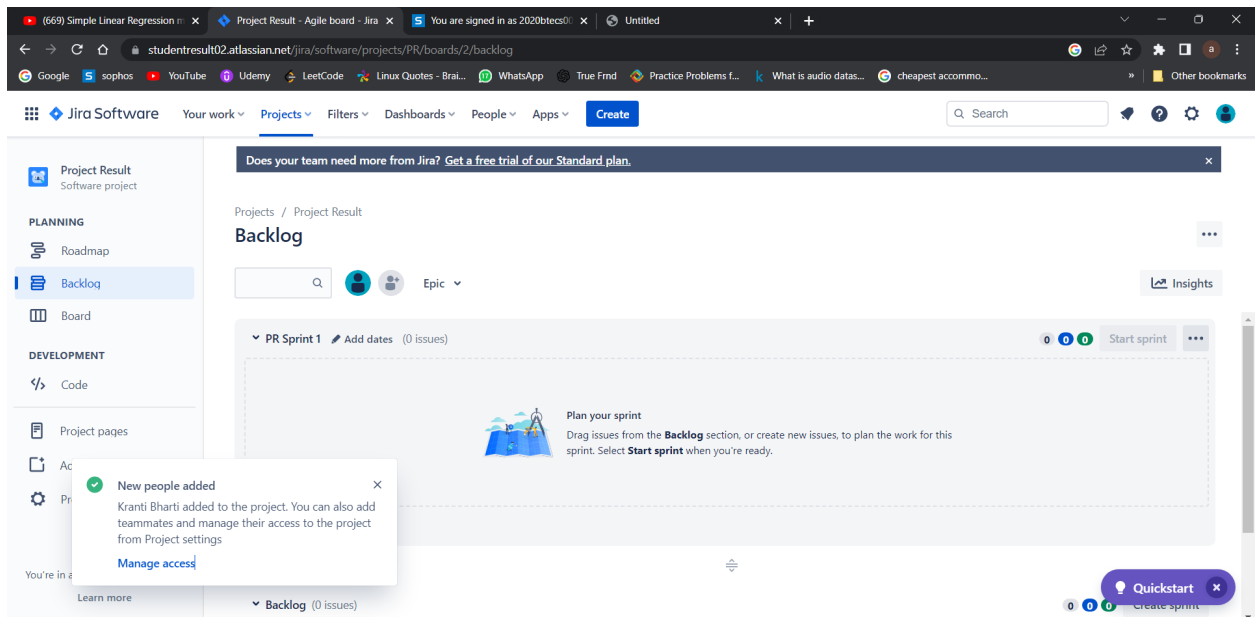
Assignment 3

Module 3- Study of Project Management Tool (Jira)

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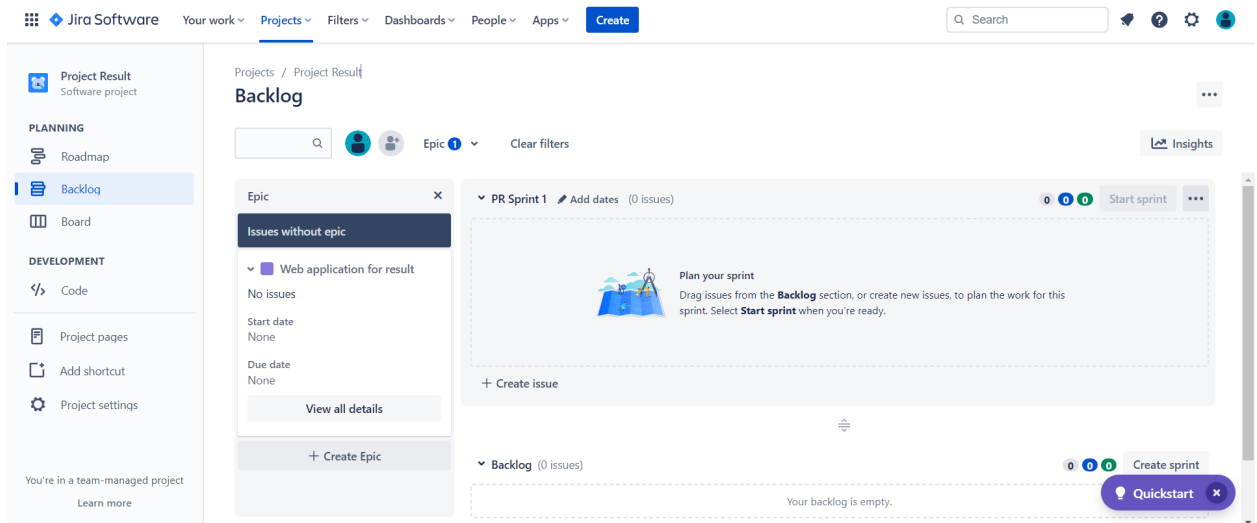
- **Create a project (give the name of your project) in Jira, use the template as Scrum, and add your team members to this project.**

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.



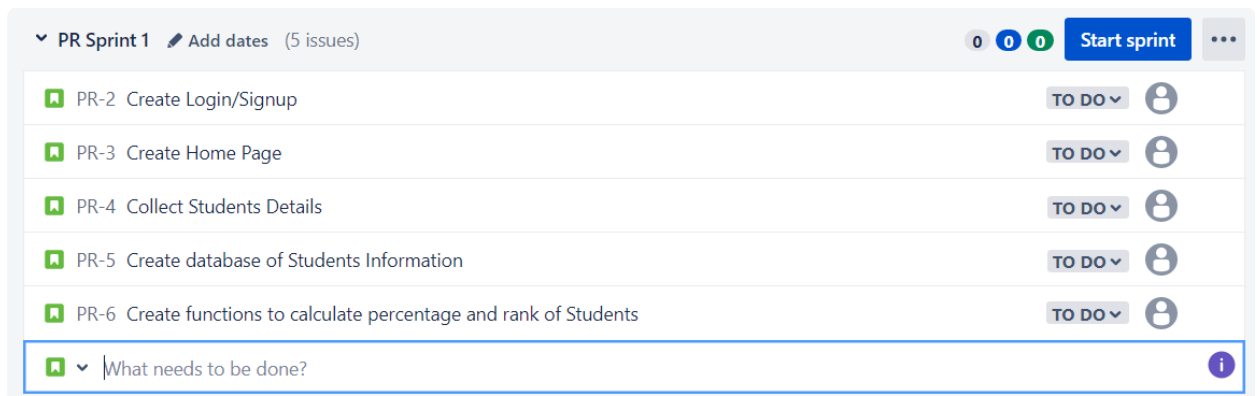
- **Create an Epic into the above project (main requirement of your project, e.g Creating a web application for student result generation).**

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.



- **Create at least 5 user stories with respect to the above epic for your 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.



- **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.

The image displays two screenshots of the Jira interface, illustrating the process of creating subtasks for a user story.

Top Screenshot: The left pane shows the "PR Sprint 1" view with a list of issues. The issue "PR-2 Create Login/Signup" is selected. The right pane shows the details for "PR-2", including a description field, a "Child issues" section with two subtasks (PR-7 and PR-8), and a "Pinned fields" section.

Bottom Screenshot: The left pane shows the same "PR Sprint 1" view, but now "PR-3 Create Home Page" is selected. The right pane shows the details for "PR-3", including a description field, a "Child issues" section with two subtasks (PR-9 and PR-10), and a "Pinned fields" section.

▼ PR Sprint 1 Add dates (5 issues) 0 0 0 0 S

- PR-2 Create Login/Signup TO D
- PR-3 Create Home Page TO D
- PR-4 Collect Students Details TO D
- PR-5 Create database of Students Information TO D
- PR-6 Create functions to calculate percentage and r... TO D

+ Create issue

▼ Backlog (0 issues) 0 0 0 0

Your backlog is empty

Add epic / 1 i s ... X

PR-4

Description

Add a description...

Child issues Order by ... + 0% Done

- PR-11 Collect the marks of t... S TO DO
- PR-12 Collect the marks of p... TO DO

What needs to be done?

Add a comment...

Pro tip: press M to comment

▼ PR Sprint 1 Add dates (5 issues) 0 0 0 0 S

- PR-2 Create Login/Signup TO D
- PR-3 Create Home Page TO D
- PR-4 Collect Students Details TO D
- PR-5 Create database of Students Information TO D
- PR-6 Create functions to calculate percentage and r... TO D

+ Create issue

▼ Backlog (0 issues) 0 0 0 0

Your backlog is empty

Add epic / 1 i s ... X

PR-5

Description

Add a description...

Child issues Order by ... + 0% Done

- PR-13 Create student datab... KB TO DO
- PR-14 Insert the collected d... S TO DO

What needs to be done?

Add a comment...

Pro tip: press M to comment

▼ PR Sprint 1 Add dates (5 issues) 0 0 0 0 S

- PR-2 Create Login/Signup TO D
- PR-3 Create Home Page TO D
- PR-4 Collect Students Details TO D
- PR-5 Create database of Students Information TO D
- PR-6 Create functions to calculate percentage an... TO D

+ Create issue

▼ Backlog (0 issues) 0 0 0 0

Your backlog is empty

Add epic / 1 i s ... X

PR-6

Add a description...

Child issues Order by ... + 0% Done

- PR-15 Create a function to c... KB TO DO
- PR-16 Create methods to st... TO DO

What needs to be done?

Choose an existing issue Create Cancel

Add a comment...

Pro tip: press M to comment

- **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.

Start Sprint

1 issue will be included in this sprint.

Sprint name *

Duration *

1 week

Start date *

2/22/202310:30 AM

End date *

3/1/202310:30 AM

Sprint goal

Try to complete the task assigned as soon as possible!

StartCancel

Start another sprint

4 issues will be included in this sprint.

Sprint name *

Duration *

custom

Start date *

2/25/202311:00 AM

End date *

3/26/20232:59 AM

Sprint goal

Complete soon!

StartCancel

Start another sprint

1 issue will be included in this sprint.

Sprint name *

Duration *

custom

Start date *

4/4/202312:30 PM

End date *

5/10/20237:00 PM

Sprint goal

Complete it asap!

StartCancel

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

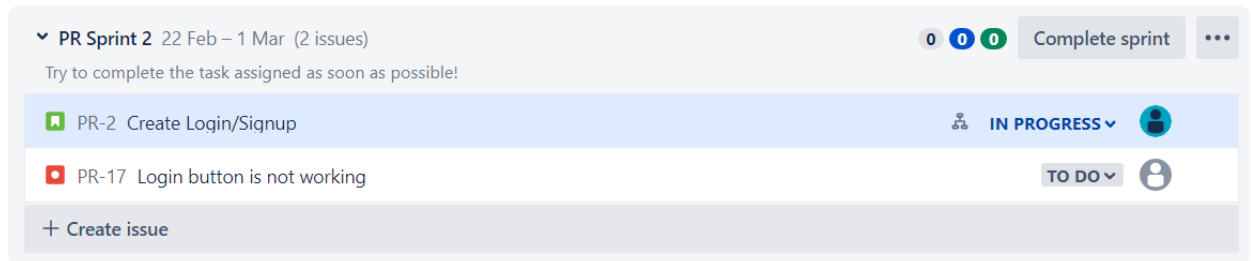
To update the status of user stories, you can click on the user story and select "Edit." Change the status to "To Do," "In Progress," or "Completed" and add appropriate comments in the "Comment" field.

The screenshot displays the Jira interface. On the left, a sidebar shows three sprints: PR Sprint 1 (25 Feb – 26 Mar), PR Sprint 2 (22 Feb – 1 Mar), and PR Sprint 3 (1 Mar – 16 Mar). Each sprint has a 'Create issue' button. The main area shows a detailed view of a user story titled 'Create User Interface'. The story is assigned to PR-3 and is currently in the 'Done' status. The description field is empty. Below the description, there is a 'Pinned fields' section and a 'Details' section. At the bottom, there is a comment box with the text 'Add a comment...' and a 'Pro tip: press M to comment' message.

The screenshot displays the 'All sprints' view in Jira. The left sidebar shows the 'Project Result' software project with a navigation menu including 'PLANNING' (Roadmap, Backlog, Board) and 'DEVELOPMENT' (Code, Project pages, Add shortcut, Project settings). The 'Board' view is selected. The main area shows a Kanban board with three columns: 'TO DO', 'IN PROGRESS 3 ISSUES', and 'DONE 1 ISSUE'. The 'IN PROGRESS' column contains three issues: 'Create Login/Signup' (PR-2), 'Collect Students Details' (PR-4), and 'Create functions to calculate percentage and rank of Students' (PR-6). The 'DONE' column contains one issue: 'Create Home Page' (PR-3). The right sidebar shows a 'Complete sprint' button and a 'GROUP BY' dropdown set to 'None'.

- **Create a bug/issue for the respective user story and epic and assign it 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.



- **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.

