

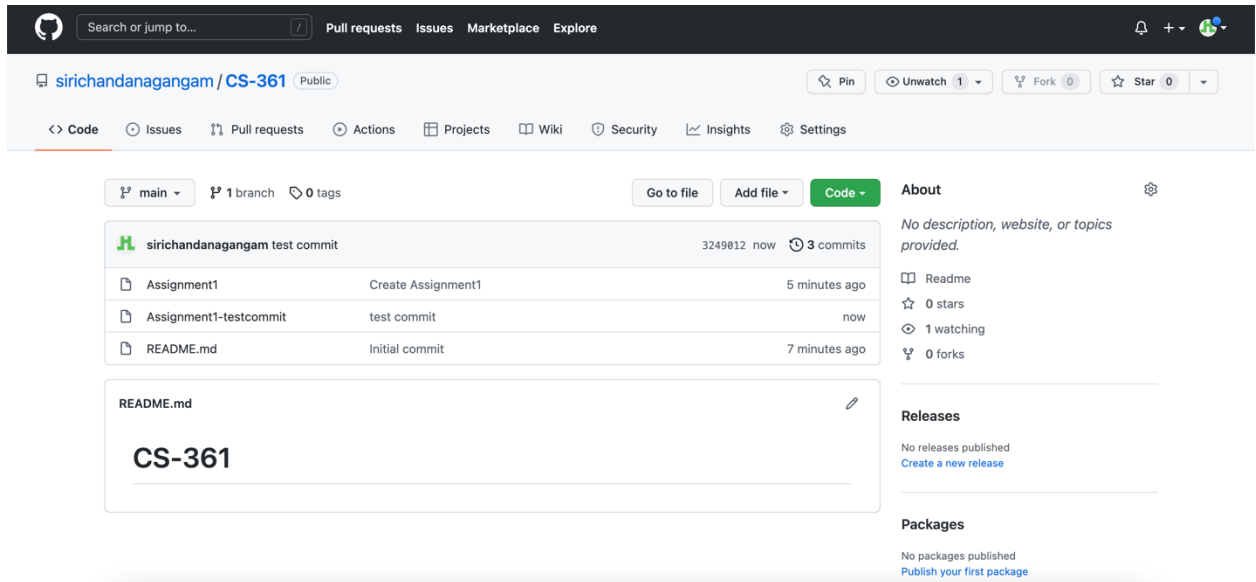
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CS 361

Assignment1- Environment Setup

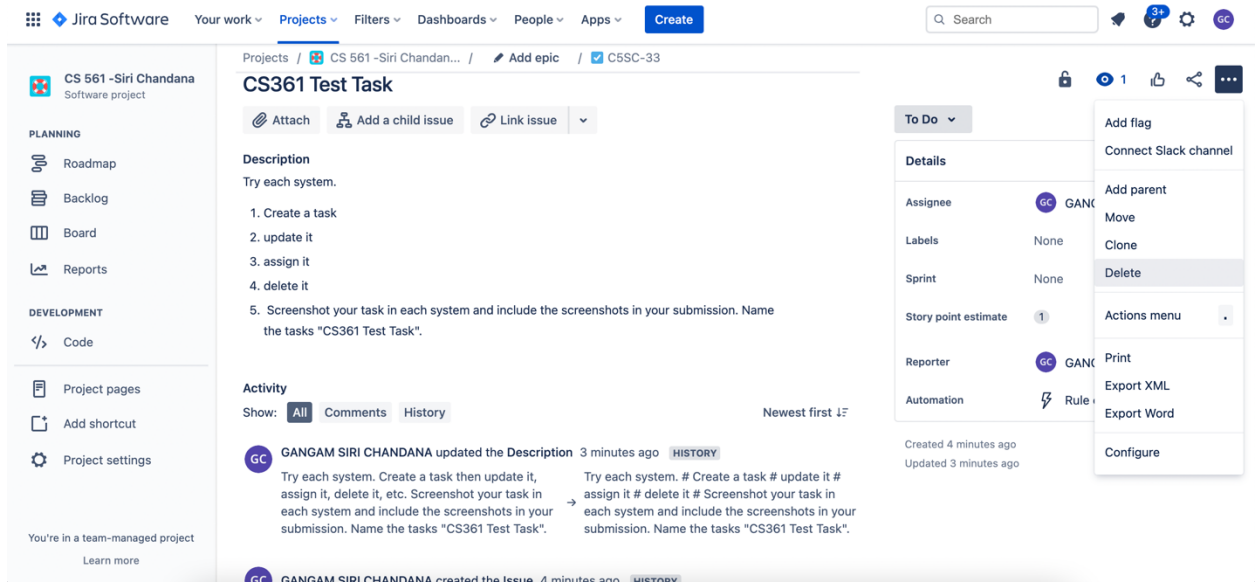
1 a) GitHub username – sirichandanagangam

1 b) Screenshot for test commit

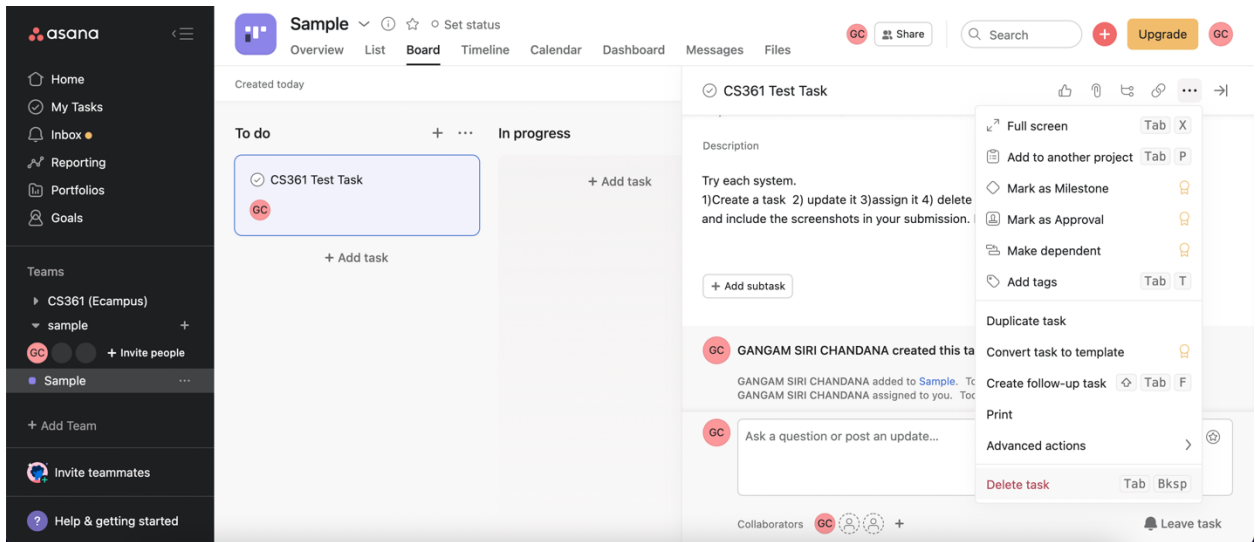


2 a) I spiked three task management systems: Asana, Jira, Trello

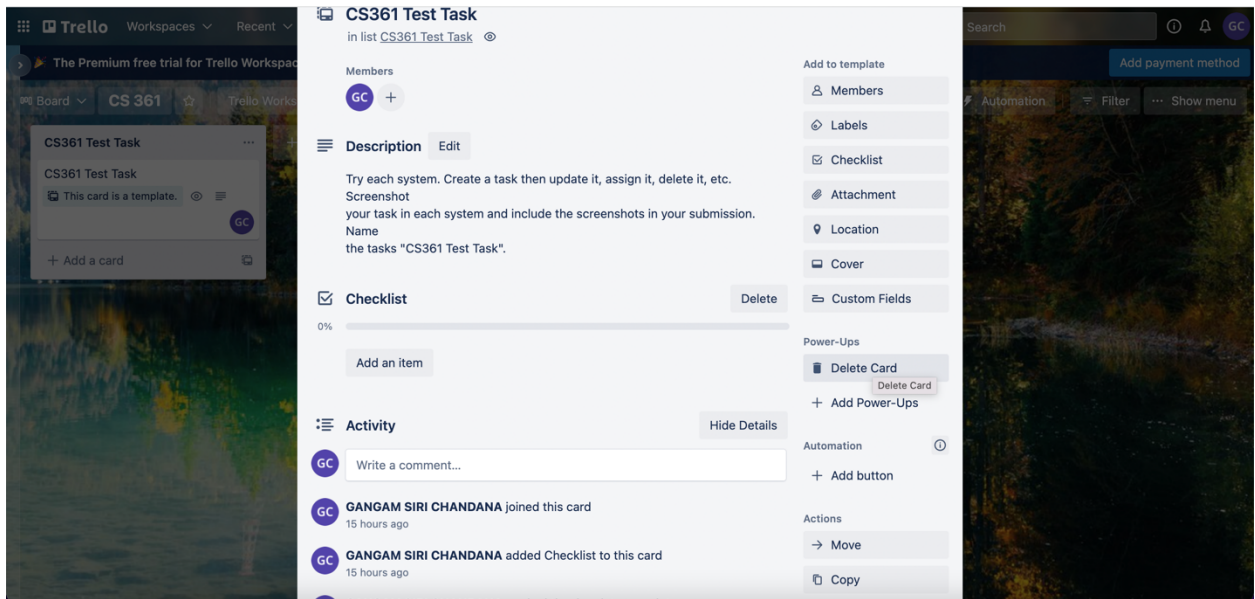
2 b) Jira – I created a task, updated the task, assigned it to myself and deleted the task



Asana- I created a task, updated the task, assigned it to myself and deleted the task.



Trello- I created a task, updated the task, assigned it to myself and deleted the task



2 c) Evaluation of task management systems based on 4 criteria

- Ease of use
- Speed/ responsiveness
- Feature/set
- Relevance/ popularity

Ease of use:

- **Asana**

It is more user friendly than Trello but have a scope to improve in few areas. It has good walkthroughs and documentation which helps users to get started with. Basic tasks like creating board, tasks, editing tasks, adding description, assigning tasks, deleting tasks etc. are easy in this task management system. It can fit into any workflow. It is intuitive to learn. I felt it is easy to use for a newbie as well. I did not make many errors while using this system as the navigation was much easy.

- **Trello**

It is little difficult to use when compared to the other two task management systems. It is not so user friendly. Though it has many templates to use, it takes lot of time to understand which template to use according to the requirement. It was little difficult to find an option to delete a card in Trello whereas it is easily discoverable in other task management systems. It has got documentation which might help users to get started with this task management system. It is not so intuitive to learn. I felt it takes lot of time to get adapted to this system. It is little difficult to remember the process of using few features.

- **Jira**

Jira is extremely easy to learn and use amongst all the three task management systems. It is easy to find all available options, navigate between projects etc. We have features like QuickStart slide bar which makes it easy to navigate between roadmap, backlog, board, reports. Wherein finding these options will be little difficult in other two task management systems. It is very intuitive to learn. I felt even the new users can get adapted to this system easily. It is easy to remember how to use. I did not see myself making any mistakes with Jira. There is documentation for Jira which is located at Atlassian's support site.

Speed/ responsiveness

- **Asana**

This system is quick and responsive. Login took more time but other than that I did not find much difference between Asana and Jira. Loading was not too slow for many of the pages. Creating projects, boards and tasks were easy.

- **Trello**

It was easy to log into the Trello account, I used Gmail account to login. Though Trello is lively because of the colors and templates, it takes lot of time to create board, delete tasks. It did not take much time to load any pages.

- **Jira**

It is fast and responsive. It did not take much to load any of the pages. Though Jira is an efficient task management system, it takes more time to create an account and do setup. I tried to move the tickets from one board to another board, it took lot of time to move from one board to another as we need to move ticket by ticket.

Feature/set

- **Asana**

Asana provides a traditional checklist format for project management with high customization. It can assign tasks to relevant team members of a particular project. It cannot track the time spent by the members working on their tasks. It supports third-party apps like Dropbox, Instagram, Pinterest and Twitter. It offers an API, which is outbound and inbound. This API allows access to information from Asana by other apps. Additionally, it also allows implementing other applications' data into Asana. It enables real-time communication and reporting. It integrates tasks, files, plans, and goals to make it convenient for teams to easily work and share from a single app.

- **Trello**

Trello offers an integrations feature that functions with public developer APIs. The Power-Up calendar of Trello allows you to prioritize tasks with short deadlines, assign last-minute tasks, and show them according to their status. It has a highlight section that helps an individual to track the activity of all the workspaces and boards which belongs to him.

- **Jira**

Jira supports coding and provides a roadmap alongside software development. Therefore, we can tag and track bugs in the code in a separate section under the Jira dashboard for management. We will receive notifications from Jira over email or a text message. It has mobile application which helps users to stay online and engaged. It offers Agile development. It utilizes all the features of Kanban and Scrum board. With Jira, one can gain information in a suitable format known as reports.

Relevance/ popularity

- **Asana**

Asana is mostly for beginners to track work. It is used when one needs to balance more complicated processes and ease of use. I do not think I will use it in the future for managing large projects and large teams.

- **Trello**

It is designed for short, temporary projects or teams with lightweight processes.

If someone is in the initial stage of your business or a start-up, then Trello will be an ideal choice as it is because it offers services for free.

- **Jira**

I feel Jira is used when you have really elaborated processes and need to customize a lot of components to fit them. It is the best choice for companies dealing with technical work, as it allows reporting bugs.

2 d) Compare the systems by ranking them based on the criteria above. Best to worst for each criterion. List or table format.

	Ease of use	Speed / responsiveness	Feature set	Relevance/Popularity
Asana	Best	Best	Better	Better
Jira	Better	Better	Best	Best
Trello	Worst	Worst	Worst	worst