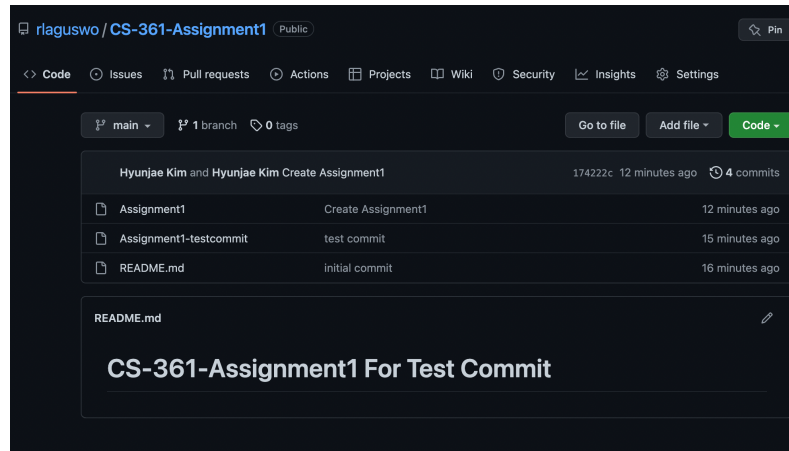


# 1. GitHub Repository

(a) GitHub Username: rlaguswo

(b) GitHub Test Commit Screenshot



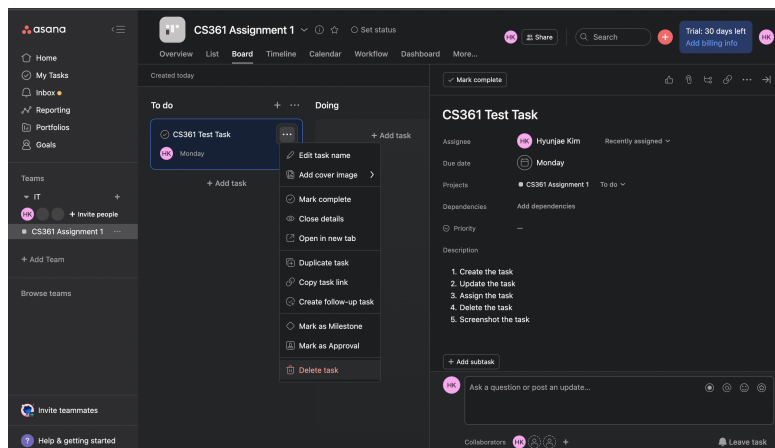
# 2. Spike: Task Management Systems

(a) Which task management systems did you spike?

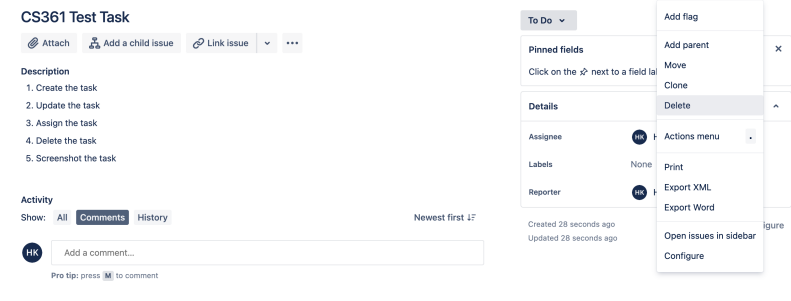
Asana, Jira, Trello

(b) Try each system – Create the task, Update the task, Assign the task, and Delete the task.

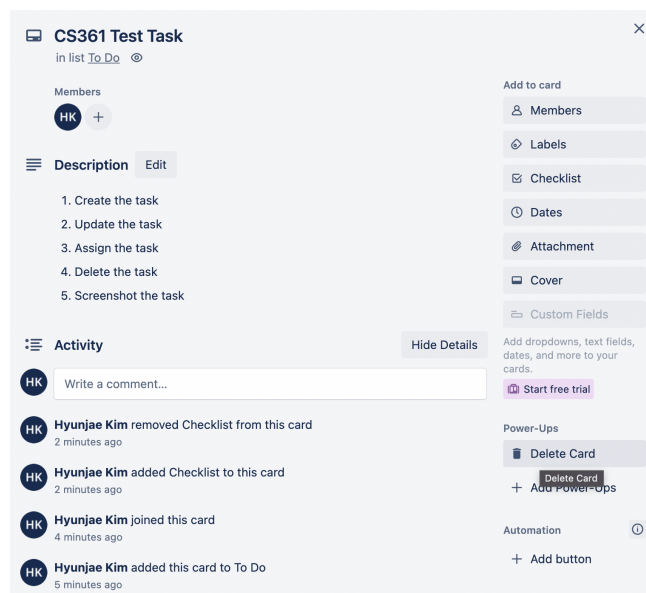
## I. Asana



## II. Jira



## III. Trello



### (c) Evaluate each system

- I. Each of use
  - a. Asana

Asana was the most intuitive to learn. Furthermore, it was easy to remember to use it. Among the three task management systems, I made the least errors in trying to use it. There were tutorials, and these tutorials taught me to use the system easy to use.

- b. Jira

Jira was intuitive to learn. Moreover, it was easy to remember to use it as Asana. Similar to Asana, I made less errors in trying to use it. There were tutorials, and these tutorials were easy to understand, and able to use the management system right after the tutorials.

c. Trello

Trello was not that intuitive to learn. Since the system required to add buttons, it was not easy to remember to use it. In deleting the task, I made several errors. At first, I added the remove button on the task card which removes all the labels. Second, I added checklist, but it did not contribute to deleting the task. Finally, I added power buttons, but it required to sign in. These made me lots of errors trying to use it. There were tutorials, and these tutorials were easy to use fundamental functions such as creating tasks, but it did not teach about adding power buttons in order to delete the task.

## II. Speed / responsiveness

a. Asana

Asana did not take long time to log in. This system was fast in creating and loading new projects. Moreover, it was fast in deleting the tasks.

b. Jira

Similar to Asana, Jira did not take long time to log in. This system was fast in creating and loading new projects. Moreover, it was fast in deleting the tasks.

c. Trello

Trello had the fastest time to log in. Similar to the management systems above, it was fast in creating and loading new projects. However, in deleting the task, the process was complicated so that it took an annoyingly long time.

## III. Feature set

a. Asana

Asana provides mobile version and desktop versions. Furthermore, Asana provides link of the task so that it is able to connect new team member to the project. However, these features are not the feature which I am likely to need because I need task management systems which assist code development projects.

b. Jira

Jira provides codes sharing and release for developers. Furthermore, Jira provides apps which supports the process of the task management such as GitLab. Through these reasons, Jira has the most likely feature I need.

c. Trello

Trello provides complex power buttons depending the type of the task such as GitHub and GitLab power button for developers. Even if it is not the most likely feature which I need, these features are likely to need for me.

#### IV. Relevance / popularity

a. Asana

Since Asana is intuitive and easy to use, in the scope of general task management which does not include code development, it is likely to see this system. However, it is not likely to see this system in the process of developing program or code.

b. Jira

Similar to Asana, Jira is intuitive and easy to use. Moreover, it provides features which helps collaboration between developers. Through these reasons, it is likely to see this tasks management system more often after the course than Asana.

c. Trello

Trello has similar fundamental feature with Asana. However, Trello provides more complex feature depending on the type of task including IT and marketing. Through these reasons, it is likely to see Trello more than Asana, but less than Jira.

#### (d) Compare the systems

Task Management System	Ease of Use	Speed/ Responsiveness	Feature Set	Relevance/Popularity
Asana	3	3	1	1
Jira	2	2	3	3
Trello	1	1	2	2

(Note: 1 = Worse, 2 = Average, 3 = Best)

(Note: The rank of the systems will be determined by the sum of the points which system gained)

#### (e) Which system is highest ranked?

Since Jira gained 10 points which is the largest score among the three systems, Jira is highest ranked.