

## CS361: Assignment 1: Environment Setup

### Overview

Set up your development environment. In addition to an IDE or code editor (choose any you prefer), start a GitHub repository and choose a task management system.

### Instructions

Complete each item below by replacing the **highlighted text** (**Usability note:** double-click the text to select it).

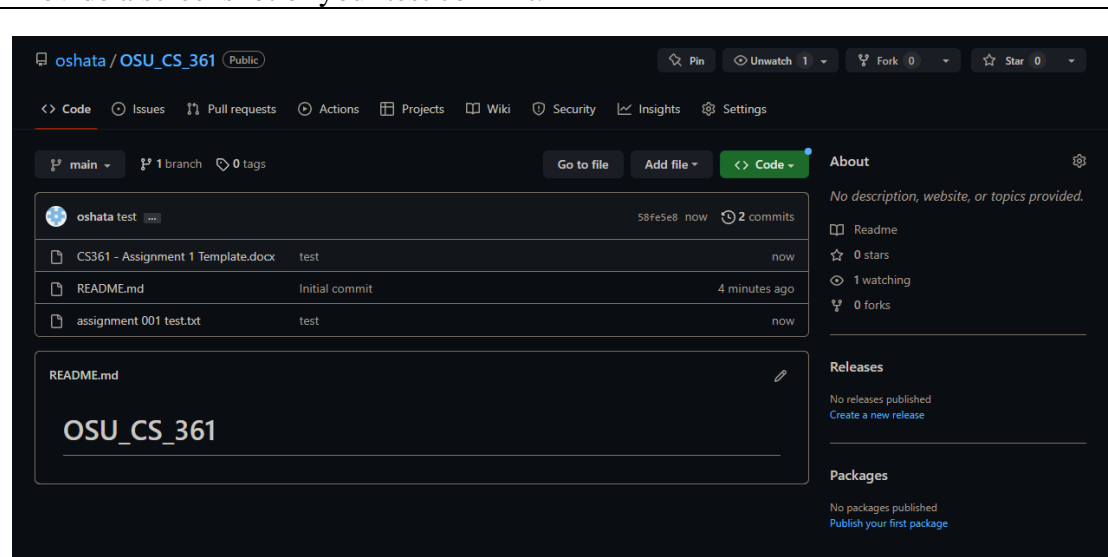
#### 1. GitHub Repository

Create a GitHub account if you don't already have one, create a Git repository hosted on GitHub. Make a **test commit**. The test commit should show up on GitHub.

(a) What is your GitHub username?

*oshata*

(b) Provide a screenshot of your test commit.



## 2. Spike: Task Management Systems

For your portfolio project, you will be using a task management system to keep track of development tasks. Spike at least **three** task management systems you could use. A spike is a quick, directed effort focused on getting a question answered (e.g., researching the pros and cons of different technologies or strategies so that you can make an informed decision). Examples of task management systems you could spike: Trello, Jira, Asana. **Requirements for the task management systems:**

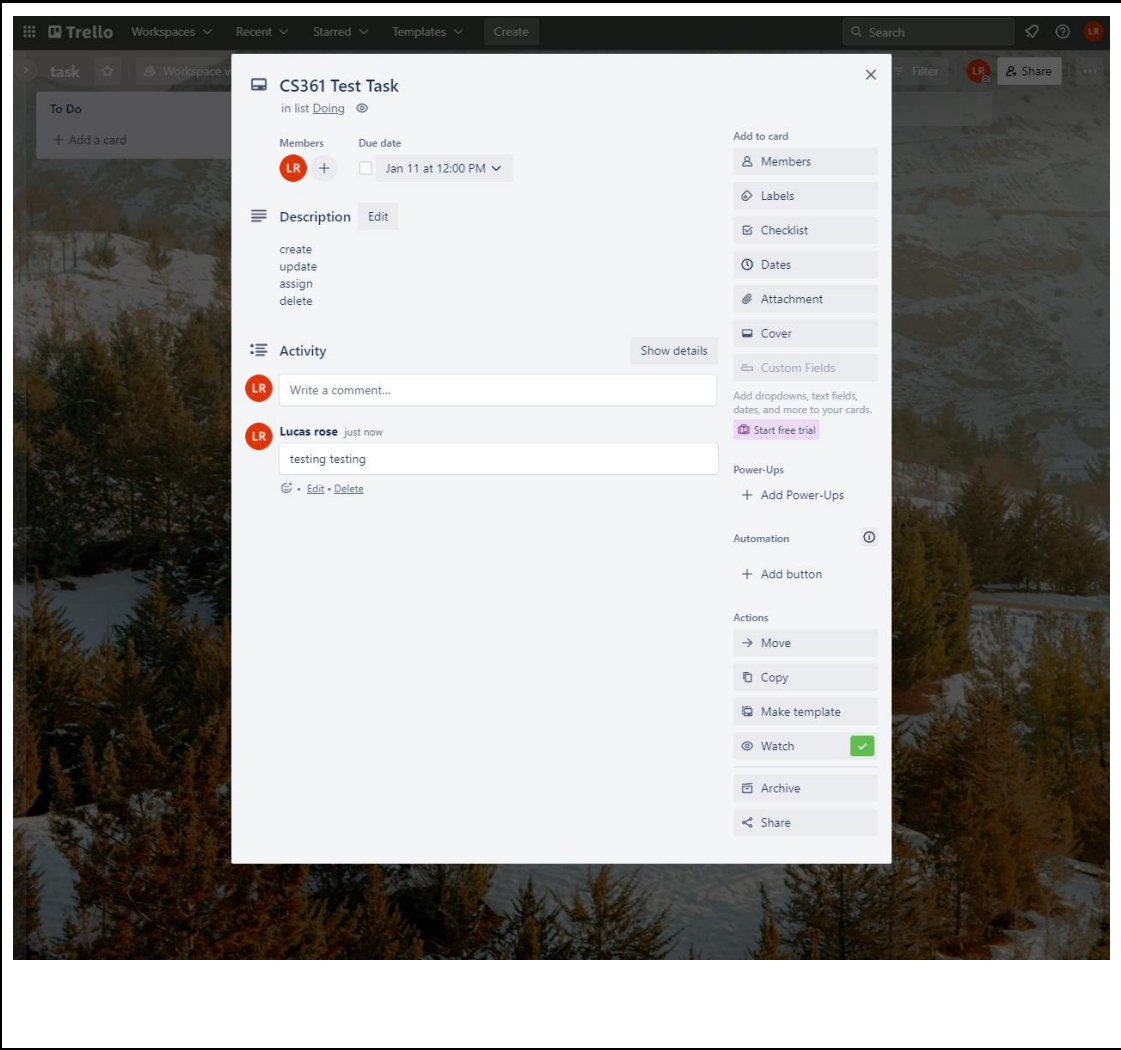
- Free tier
- Cross-platform
- Support for collaboration, task definition/deletion/updating, task priorities, task due dates, assigning people to tasks, setting task status, and organizing tasks into different columns.

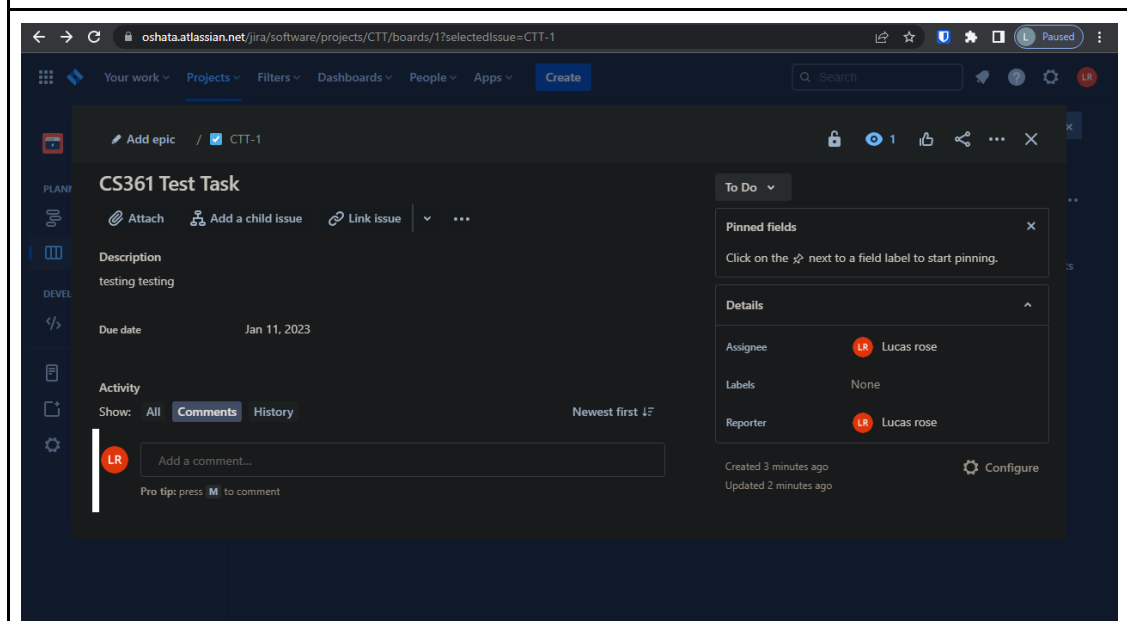
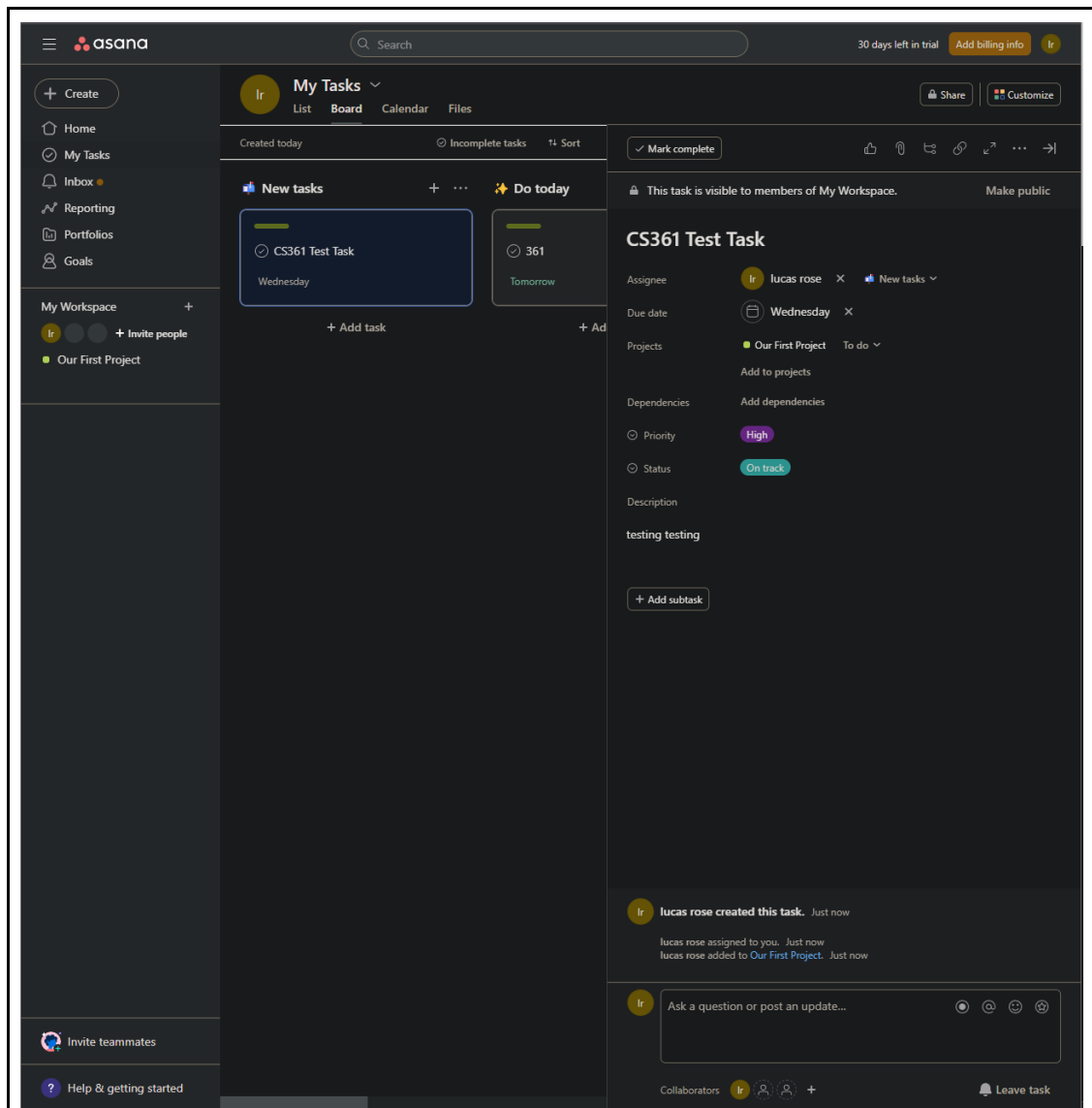
To do a spike, you need to not only research the task management systems, you need to (1) try to **use** them, (2) **evaluate** them based on specific criteria, (3) **compare** them, and (4) **decide** which to use.

(a) Which task management systems did you spike?

<i>Trello</i>
<i>Asana</i>
<i>Jira</i>

(b) **Try** each system. Create a task then update it, assign it, delete it, etc. **Screenshot** your task in each system and paste below. Name the tasks "**CS361 Test Task**".





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(c) For each, **evaluate** against at least these criteria:

- i. **Ease of use.** Ex: Is it intuitive to learn? Easy to remember how to use it? Do you find yourself making lots of errors trying to use it? Are there tutorials and documentation?

Name of system	Evaluation
Trello	<i>Trello isn't bad, I have used it before for personal things. It is similar to boards in Smartsheet which I used every day for work. I like the simplicity of Trello</i>
Asana	<i>asana was the easiest for me to figure out what to do right away which is nice, the other two took a bit of tooling around to get them to do what I needed.</i>
Jira	<i>Jira isn't bad either it seems like a more feature-rich version of trello</i>

- ii. **Speed / responsiveness.** Ex: Does it take an annoyingly long time to log in / load / create new projects / etc. or is it peppy?

Name of system	Evaluation
Trello	<i>Trello is pretty quick to set up a project and is pretty simple</i>
Asana	<i>Seams pretty easy out of the bunch, straight forward layout and easy to make new task/ blocks</i>
Jira	<i>This one takes longer wants more information and team info etc, seams comparison for smaller teams or single person</i>

- iii. **Feature set.** Ex: Besides the required features, does the system have other features you are likely to need?

Name of system	Evaluation
Trello	<i>Seams to be lower on the number of features but not bad, better for small I think.</i>
Asana	<i>Seems to have about the same amount of features as Jira, easier for me to understand?</i>
Jira	<i>I like the built-in gantt chart, seems to have a built-in GitHub competitor</i>

- iv. **Relevance / popularity.** Ex: Is it likely you will ever see the task management system again after the course?

Task Management System	Evaluation
<i>Trello</i>	<i>Trello I have used before seems focused on smaller teams. Another Atlassian product so similar feel to Jira</i>
<i>Asana</i>	<i>I haven't heard of asana before today, but I like how it works</i>
<i>Jira</i>	<i>I have heard of Jira before, both love and hate, I think it is probably the 800 beast in the room for software PMing</i>

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

Task Management System	Ease of use	Speed / responsiveness	Feature set	Relevance / popularity
<i>Trello</i>	<i>2</i>	<i>3</i>	<i>1</i>	<i>2</i>
<i>Asana</i>	<i>3</i>	<i>2</i>	<i>2</i>	<i>1</i>
<i>Jira</i>	<i>1</i>	<i>1</i>	<i>3</i>	<i>3</i>

- (e) Which system is **highest ranked**?

*Well, they all got 8 points, so 3 was tie... I'd probably pick Trello since I have experience with it.*

## Submission

PDF or Word format via Canvas.

You must follow instructions at Modules > 'HOW TO: Attach a Document to "Text Entry" Field'.

## Grading

You are responsible for satisfying all criteria listed in the Canvas rubric for this assignment. You will be able to revise this assignment if you miss points.

## Questions?

Please ask via Ed so that others can benefit from the answers.