Oregon State University
Ecampus

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 <mark>highlighted text</mark> (**Usability note**: double-click the text to select it).
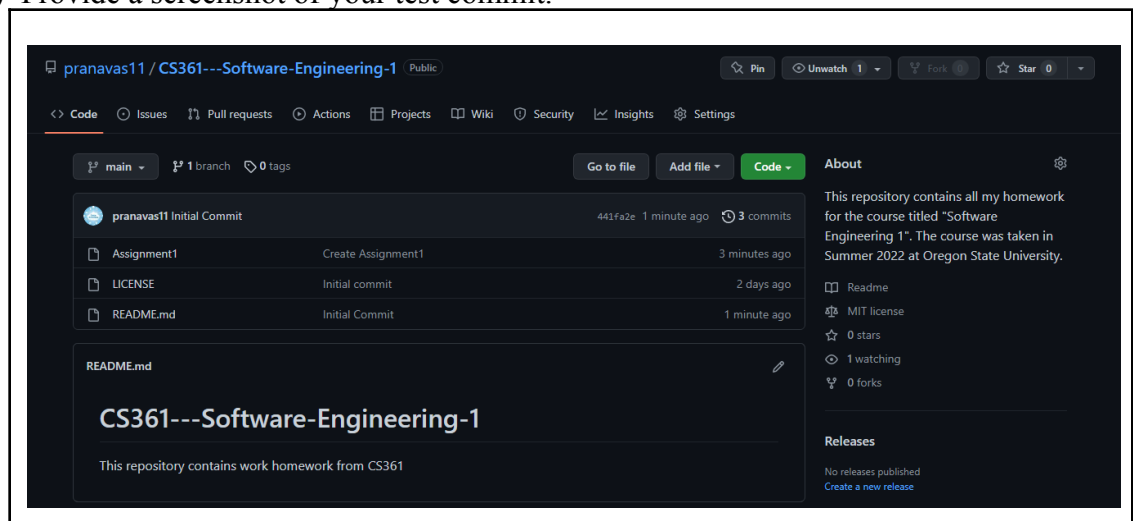
1. **GitHub Repository**

   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?

   > pranavas11

   (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, and 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
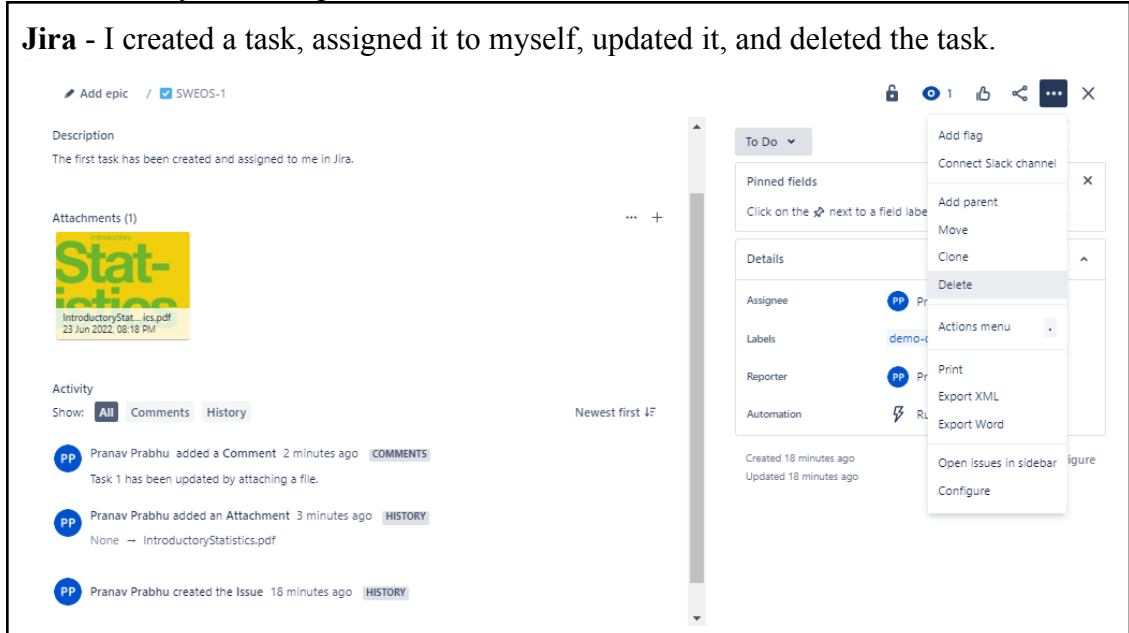 columns.

To do a spike, you need to not only research the task management systems, but you also
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?

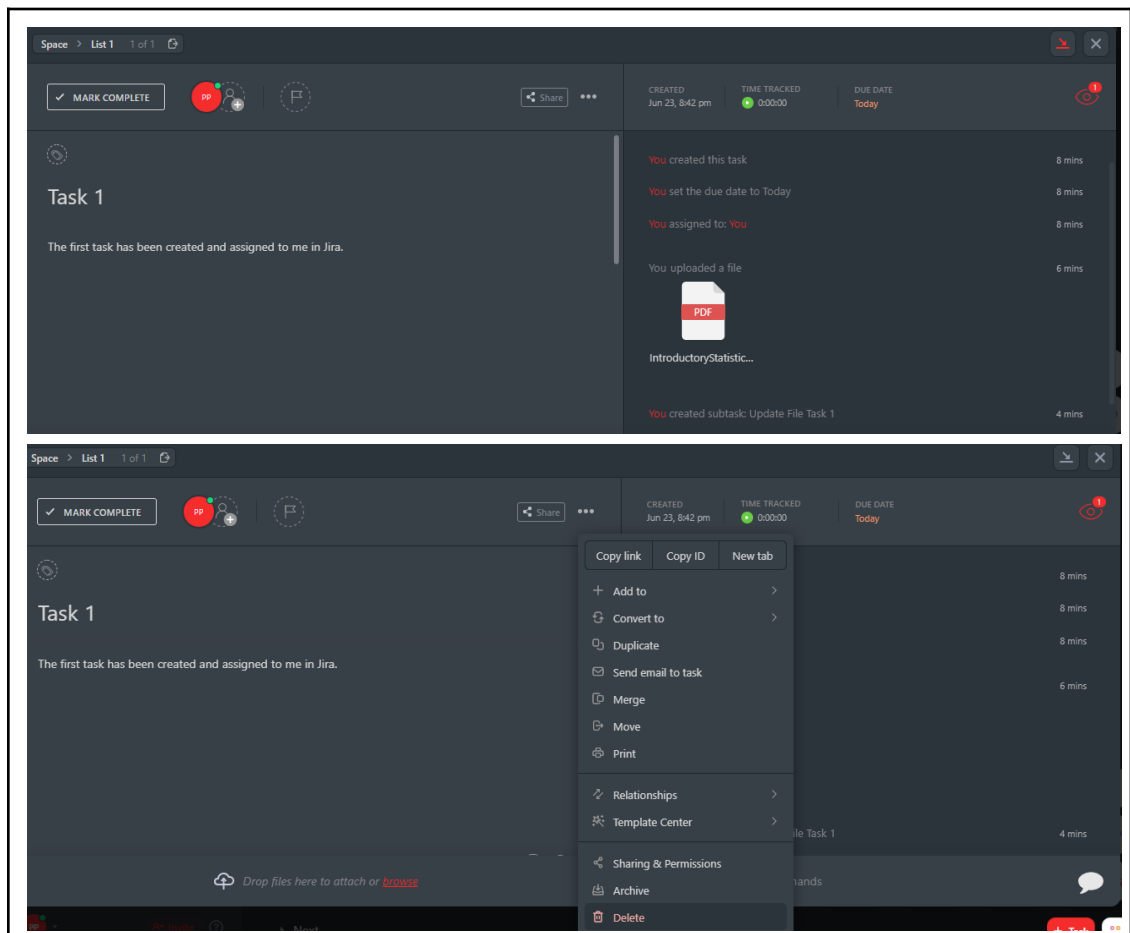| |
|---|
| Jira |
| ClickUp |
| Wrike |

(b) **Try** each system. Create a task then update it, assign it, delete it, etc. **Screenshot** your
task in each system and paste it below. Name the tasks **"CS361 Test Task"**.
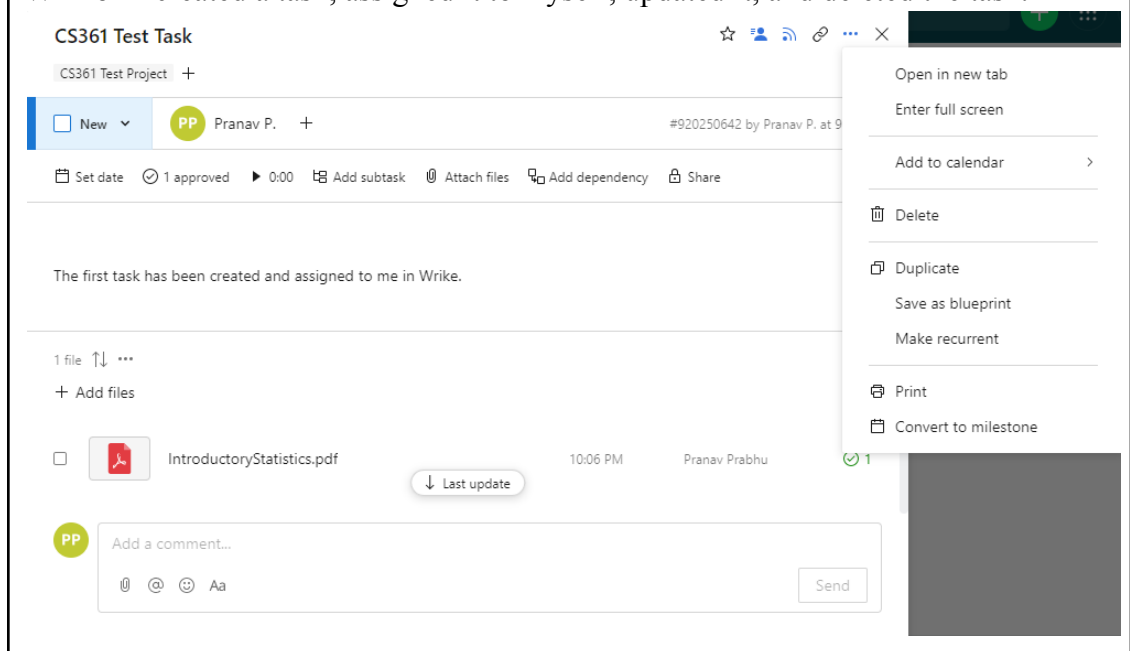
Jira - I created a task, assigned it to myself, updated it, and deleted the task.
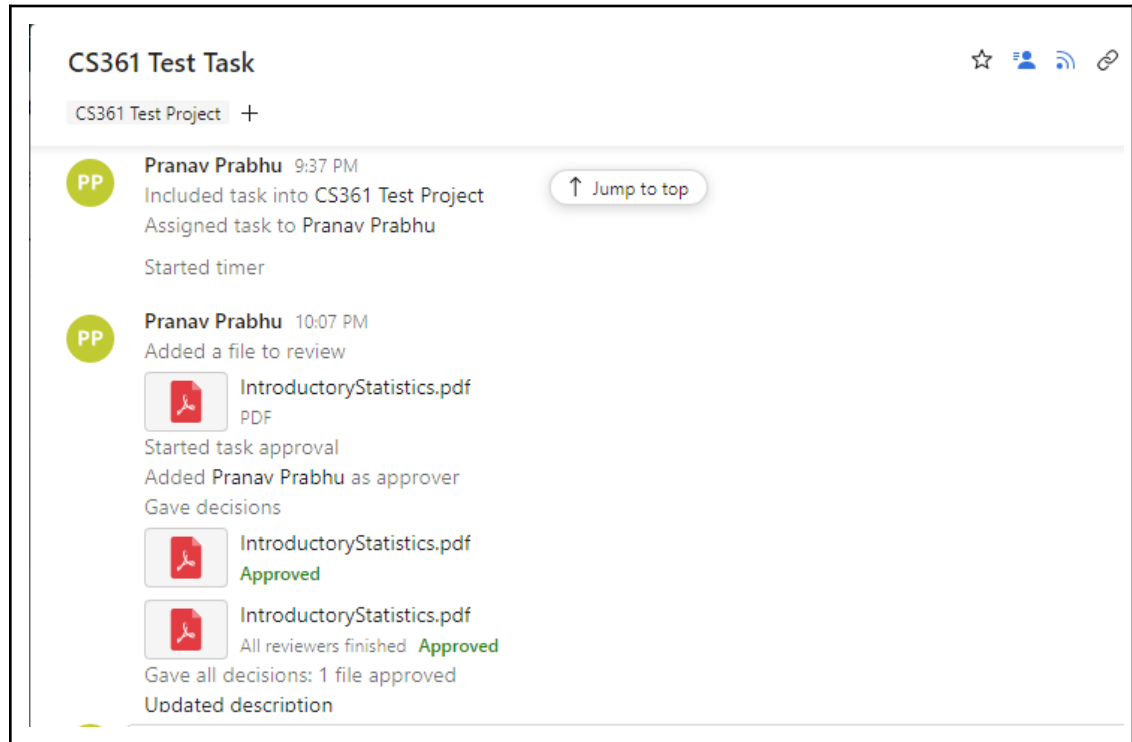

ClickUp - I created a task, assigned it to myself, updated it, and deleted the task.

✓ MARK COMPLETE

PP

CREATED
Jun 23, 8:42 pm

TIME TRACKED
0:00:00

DUE DATE
Today

Share •••

Task 1

The first task has been created and assigned to me in Jira.

You created this task   8 mins
You set the due date to Today   8 mins
You assigned to: You   8 mins

You uploaded a file   6 mins

PDF

IntroductoryStatistic...

You created subtask: Update File Task 1   4 mins

Space > List 1   1 of 1

✓ MARK COMPLETE

PP

CREATED
Jun 23, 8:42 pm

TIME TRACKED
0:00:00

DUE DATE
Today

Share •••

Task 1

The first task has been created and assigned to me in Jira.

8 mins
8 mins
8 mins
6 mins

Copy link   Copy ID   New tab

+ Add to   >
⇄ Convert to   >
⎘ Duplicate
✉ Send email to task
⧉ Merge
⊟ Move
🖨 Print

⤸ Relationships   >
⚸ Template Center   >

⟡ Sharing & Permissions
⛁ Archive
🗑 Delete

le Task 1   4 mins

Drop files here to attach or browse

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

CS361 Test Task   ☆ 👤 📶 🔗 ••• ✕

CS361 Test Project +

☐ New ⌄   PP Pranav P. +   #920250642 by Pranav P. at 9

📅 Set date ⊘ 1 approved ▶ 0:00 ⊟ Add subtask 📎 Attach files ⊞ Add dependency 🔒 Share

Open in new tab

Enter full screen

Add to calendar   >

🗑 Delete

The first task has been created and assigned to me in Wrike.

⧉ Duplicate

Save as blueprint

Make recurrent

🖨 Print

📅 Convert to milestone

1 file ↑↓ •••

+ Add files

☐ 📄 IntroductoryStatistics.pdf   10:06 PM   Pranav Prabhu   ⊘ 1

↓ Last update

PP Add a comment...

📎 @ ☺ Aa   Send

CS361 Test Task

CS361 Test Project +

PP Pranav Prabhu 9:37 PM
Included task into CS361 Test Project
Assigned task to Pranav Prabhu

Started timer

PP Pranav Prabhu 10:07 PM
Added a file to review

IntroductoryStatistics.pdf
PDF

Started task approval
Added Pranav Prabhu as approver
Gave decisions

IntroductoryStatistics.pdf
Approved

IntroductoryStatistics.pdf
All reviewers finished Approved
Gave all decisions: 1 file approved
Updated description

↑ Jump to top

(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? (1+ sentence)

Name of system	Evaluation
Jira	Jira was bit confusing at first as I spent the first 30 minutes trying to navigate around the dashboard and figure out things. However, I did not make many mistakes thanks to proper documentation, and it is not so hard to remember how to use it. It is user-friendly but has a scope to improve in a few areas. Basic jobs like working with tasks were not so hard in Jira.
ClickUp	ClickUp was very easy to learn and use compared to Jira. I did not make any mistakes thanks to proper documentation, and it is easy to remember how to use it. It is user-friendly but has a scope to improve in a few areas. Basic jobs like working with tasks were very easy.
Wrike	Wrike was very easy to learn and use compared to Jira. I did not make any mistakes thanks to proper documentation and guidance from Wrike, and it is easy to remember how to use it. It is very user-friendly. Basic jobs like working with tasks were very easy. It is easy to find all available options, navigate between projects, etc. It has a Gantt Chart which makes it easy to navigate between roadmap, backlog, board, reports, etc.

ii. **Speed / responsiveness**. Ex: Does it take an annoyingly long time to log in / load / create new projects / etc. or is it peppy? (1+ sentence)

Name of system	Evaluation
Jira	Jira was fast and responsive. It did not take much time to log in or create new projects/tasks. However, the initial phase of setup took some time as I had to answer a lot of basic questions to get access to my account.
ClickUp	Clickup was rather slow compared to Jira, although the environment was easy to navigate. It took sometime for the webpages to load and creating new projects/tasks. However, Clickup did not take a long time to setup initially compared to Jira although the web response was slow. However, the experience was decent.
Wrike	Wrike was very quick and responsive. Initial setup took sometime but longer than Jira or Clickup and rest of the steps were pretty intuitive. It did not take much time to log in after setup or create new projects/tasks. In terms of speed, I did not find much difference between Wrike and Jira. It did take much time to load any pages.

iii. **Feature set**. Ex: Besides the required features, does the system have other features you are likely to need? (1+ sentence)

Name of system	Evaluation
Jira	Jira supports coding and provides a roadmap alongside software development. You can create multiple dashboards for multiple projects. We can also start versioning the each software patch release. Versions help you package and schedule project deliveries. Most importantly, it utilizes all the features of Kanban boards, which are agile-based project management tool that visualizes a project's progress.
ClickUp	ClickUp is a task management tool used for managing, to-do lists, calendars, project management, task timelines, document processing, collaboration, and communication. It is easy to use in that we are able to create multiple spaces and dashboards much like creating folders, and we able to create, assign, update and delete as many task as we like. We can connect through other third-party apps such as Slack, Zoom, and GitHub. It provides a traditional checklist format for project/task management with high customization.
Wrike	Wrike is a project management software that helps you organize projects, collaborate with your team, and track work progress. With Wrike, we have access to features

	like detailed reporting, advanced security features, and most importantly, Gantt charts. Wrike has a three-pan view. The dashboard on the left lets us acces projects/folders. We can create, update, and delet tasks was ease and also visualize our data with analytics. With the table view, we are able to take closer look at the status of the projects/tasks. Overall, it is a great data analytical tool with high customization.

iv. **Relevance / popularity**. Ex: Is it likely you will ever see the task management system again after the course? (1+ sentence)

Task Management System	Evaluation
Jira	I feel like Jira was a lot advanced and is used for large projects. It is best used when you want customize many components. It is a bug tracking tool that reports all the issues related to technical work such as your software or mobile apps. However, it certainly was a powerful tool.
ClickUp	ClickUp was designed for both beginners and professionals. Since most of the services are free, it becomes easy to quickly get started with small- to large-sized projects.
Wrike	Wrike is also a great task management system designed for both beginners and professionals, but mainly useful for enterprise-level users. It is used when one needs to balance between more complicated processes and ease of use. I think I might end up using Wrike in the future for managing large projects.

(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
Jira	Better	Best	Best	Best
ClickUp	Best	Better	Better	Better
Wrike	Best	Best	Best	Better

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

Wrike

Submission

PDF or Word format via Canvas.

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.