



Oregon State University
Ecampus

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CS361: Assignment 2: 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).

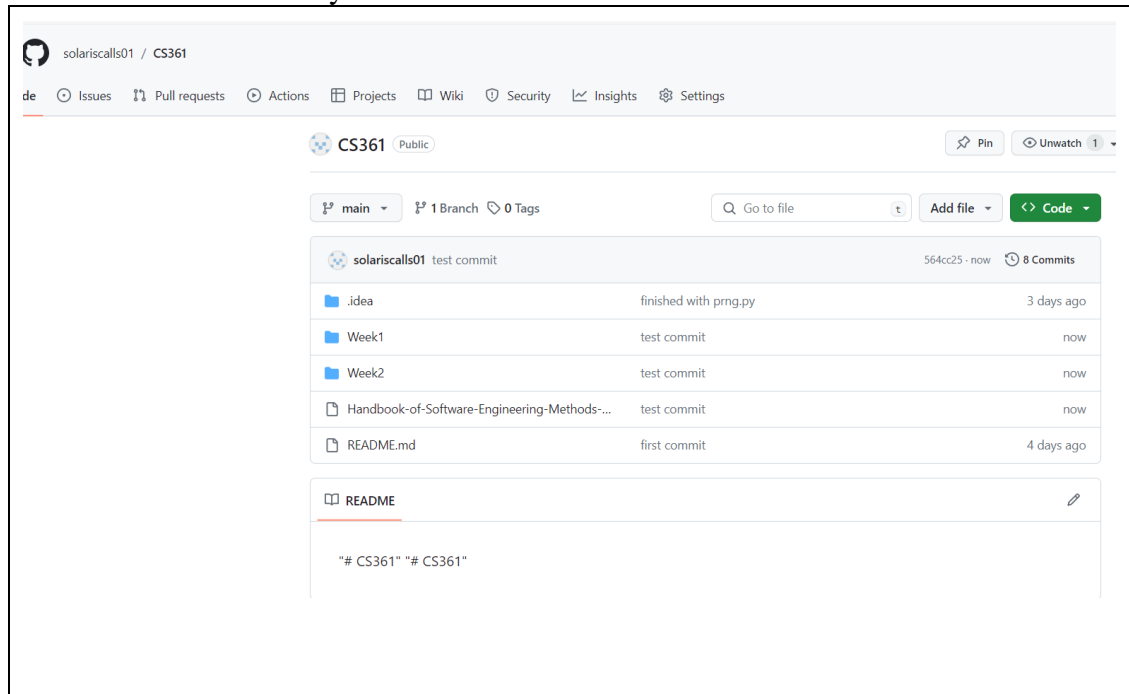
1. GitHub Repository

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?

Solariscalls01

(b) Provide a screenshot of your test commit.



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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. Performing a spike can help you make intelligent decisions. Spikes do take time upfront, but they can also save you from making a bad choice that takes much more time to recover from. This portion of the assignment provides an opportunity to do a spike while making a relatively low-stakes decision (which task management system to use).

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 research the task management systems and also (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>Notion</i>
<i>ClickUp</i>
<i>Airtable</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**".

Tasks | Board

Tasks

Edited just now

Share

✓ Add cover

📄 Add description

✓ Tasks

All tasks

Board

+

Filter

Sort

⚡

🔍

⋮

New

👤 Assignee

📅 Due

+ Add filter

● Not started

1

Untitled

+ New

● In progress

1

CS361 Test Task

👤 Brian Dy

+ New

● Done

0

+ New

Hidden groups

● Archived

0

Team Space / Projects / Project 2

🔍 Search...

Bdy Workspa...

Home

Inbox

Docs

Dashboards

More

Favorites >

Spaces

Everything

Team Space

Projects

Project 2

Project 1

Project Notes

View all Spaces

Create Space

Board

List

Calendar

Table

Gantt

+ View

Group: Status

Subtasks: Collapse all

Columns

Filters

Show closed

Hide

TO DO

1

+ Add Task

Name

Assignee

Due date

Priority

Status

Comments

CS361 Test Task

+ Add Task

+ 🗑️ 📄

AH

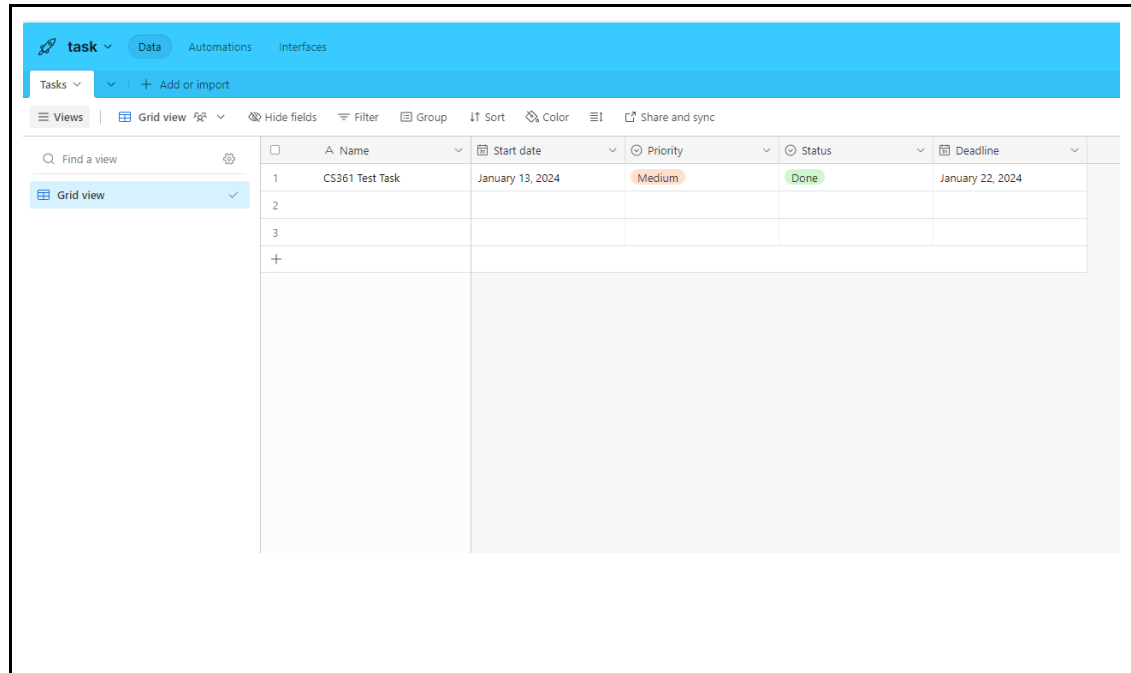
Jan 22, 5pm

High

TO DO

🔍 1

⋮



(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 1:** *Notion*
- **Evaluation of system 1's ease of use (2+ sentences):** *Pretty much my go-to when it comes to creating task so I am somewhat familiar with this task management system. The reason why I like it is because of its overall ease of use. Everything is simply labeled and they have templates that you can use to perform whatever task you need. There are YouTube tutorials for how to use this as well as documentation and help tabs to help users get started. They have also implemented their own AI bot assistance to help.*
- **Name of system 2:** *ClickUp*
- **Evaluation of system 2's ease of use (2+ sentences):** *After get a chance to play around with the webapp, its actually pretty intuitive to use as well. Adding task is as simple as "add task" and the buttons are well in view and easy to find and navigate the website. I did try out their "write with AI" but it doesn't appear to be working properly. They have a pretty notable help page that can help a new user with navigating how to use many of the features on their app.*
- **Name of system 3:** *AirTable*
- **Evaluation of system 3's ease of use (2+ sentences):** *Also new to using this web app. It seemed pretty easy to use and navigate. It was nice to play around with some of the features and neat thing is they have the Agile Workflow Template. Decided to go ahead and paly around with that to see what a typical workflow would look like for someone who would use this particular system. Nice feature to also be able to import / export Microsoft Excel spreadsheets. Their help / tutorial feature is nice in that everything is animated so its easy to follow*

along.

- 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 1:** *Notion*
- **Evaluation of system 1's speed / responsiveness (2+ sentences):** *Runs well in my opinion. Haven't noticed any particular lag and everything appears to run as expected. I have used this before so I have some experience, but there have been some instances of not logging in properly. Example, if I get logged out and have to relog back in, the app sometimes "hangs" after submitting log-in credentials. Requires a restart and usually works fine by then.*
- **Name of system 2:** *ClickUp*
- **Evaluation of system 2's speed / responsiveness (2+ sentences):** *No issues so far after using it. Appears to be responsive and does not show any significant lag so far. Adding tasks and going through the various templates loads fine with no hangups.*
- **Name of system 3:** *AirTable*
- **Evaluation of system 3's speed / responsiveness (2+ sentences):** *Everything seems to run fast and responsive. Going through the various templates and features responds well and fairly easy to use and understand.*

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

- **Name of system 1:** *Notion*
- **Evaluation of system 1 (2+ sentences):** *Notion has various "pages" that can be created and is a nice feature to be able to add various templates to whatever page. Example where one page can have a calendar, other page can have a To-Do's list, etc... They have templates that match whatever it is you're trying to create i.e., Sales Wiki, Job Board, CRM tracker.*
- **Name of system 2:** *ClickUp*
- **Evaluation of system 2 (2+ sentences):** *The layout reminds me of G-Mail setup, but with less of the email and more of the task management. It has a nice feature that implements its own inbox system so that whoever uses this can just stay within this web app and doesn't have to click outside to access mail accounts. They have a cool feature "Dashboard" that can add various tasks/ cards to this dashboard. Makes it very easy to collaborate with people who have this shared dashboard*
- **Name of system 3:** *AirTable*
- **Evaluation of system 3 (2+ sentences):** *Looks like it has the basic features (free account) that anyone can use to mostly get started. It was kind of hard to*

navigate the page as it wasn't as intuitive as I thought it was. It does appear that the free version has limited access to things you can possibly do compared to Notion or ClickUp.

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

- **Name of system 1:** *Notion*
- **Evaluation of system 1's relevance popularity (2+ sentences):** *So far this has been the one that I've been using for my own personal benefit. Granted, I do absolutely nothing with related to task and use Notion solely for keeping track of patient orders and write notes for myself. Never really played around with the other features that Notion is likely used/ known for.*
- **Name of system 2:** *ClickUp*
- **Evaluation of system 2's relevance popularity (2+ sentences):** *After having a chance to play around with ClickUp, I honestly might switch from Notion to using this. Doing a simple comparison between Notion and ClickUp via Google search, it appears that most people do prefer to use ClickUp. Only reason why I'm hesitant to switch is because of my familiarity with Notion. Again, I only use it for the BASIC features of just keeping simple notes and unless I plan on doing more task related activities, ill likely continue to use Notion for the near future.*
- **Name of system 3:** *AirTable*
- **Evaluation of system 2's relevance popularity (2+ sentences):** *Personally didn't like using AirTable. Compared to ClickUp or Notion, it's a little harder to navigate and get an understand of what you want to do. The Dashboard feature in AirTable appears limited compared to Dashboard in ClickUp.*

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

- **System 1 name:** *Notion*
- **System 1 ease of use:** *2*
- **System 1 speed/responsiveness:** *2*
- **System 1 feature set:** *2*
- **System 1 relevance/popularity:** *2*
- **System 2 name:** *ClickUp*
- **System 2 ease of use:** *1*
- **System 2 speed/responsiveness:** *1*
- **System 2 feature set:** *1*
- **System 2 relevance/popularity:** *1*
- **System 3 name:** *AirTable*

- System 3 ease of use: 3
- System 3 speed/responsiveness: 3
- System 3 feature set: 3
- System 3 relevance/popularity: 3

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

ClickUp

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.