

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).

## 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.

* 1. What is your GitHub username?

|  |
| --- |
| *Username* |

* 1. Provide a screenshot of your test commit.

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| --- |
| *Screenshot* |

## 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.

* 1. Which task management systems did you spike?

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| --- |
| *NameOfTaskManagementSystem* |
| *NameOfTaskManagementSystem* |
| *NameOfTaskManagementSystem* |

* 1. **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"**.

|  |
| --- |
| *Screenshot* |
| *Screenshot* |
| *Screenshot* |

* 1. For each, **evaluate** against at least these criteria:
     1. **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:** *Name*
* **Evaluation of system 1’s ease of use (2+ sentences):** *Evaluation*
* **Name of system 2:** *Name*
* **Evaluation of system 2’s ease of use (2+ sentences):** *Evaluation*
* **Name of system 3:** *Name*
* **Evaluation of system 3’s ease of use (2+ sentences):** *Evaluation*
  + 1. **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:** *Name*
* **Evaluation of system 1’s speed / responsiveness (2+ sentences):** *Evaluation*
* **Name of system 2:** *Name*
* **Evaluation of system 2’s speed / responsiveness (2+ sentences):** *Evaluation*
* **Name of system 3:** *Name*
* **Evaluation of system 3’s speed / responsiveness (2+ sentences):** *Evaluation*
  + 1. **Feature set**. Ex: Besides the required features, does the system have other features you are likely to need?
* **Name of system 1:** *Name*
* **Evaluation of system 1 (2+ sentences):** *Evaluation*
* **Name of system 2:** *Name*
* **Evaluation of system 2 (2+ sentences):** *Evaluation*
* **Name of system 3:** *Name*
* **Evaluation of system 3 (2+ sentences):** *Evaluation*
  + 1. **Relevance / popularity**. Ex: Is it likely you will ever see the task manage- ment system again after the course?
* **Name of system 1:** *Name*
* **Evaluation of system 1’s relevance popularity (2+ sentences):** *Evaluation*
* **Name of system 2:** *Name*
* **Evaluation of system 2’s relevance popularity (2+ sentences):** *Evaluation*
* **Name of system 3:** *Name*
* **Evaluation of system 2’s relevance popularity (2+ sentences):** *Evaluation*
  1. **Compare** the systems by **ranking** them based on the criteria above. Best to worst for each criterion. **List or table format**.
* **System 1 name:** *Name*
* **System 1 ease of use:** *Rank*
* **System 1 speed/responsiveness:** *Rank*
* **System 1 feature set:** *Rank*
* **System 1 relevance/popularity:** *Rank*
* **System 2 name:** *Name*
* **System 2 ease of use:** *Rank*
* **System 2 speed/responsiveness:** *Rank*
* **System 2 feature set:** *Rank*
* **System 2 relevance/popularity:** *Rank*
* **System 3 name:** *Name*
* **System 3 ease of use:** *Rank*
* **System 3 speed/responsiveness:** *Rank*
* **System 3 feature set:** *Rank*
* **System 3 relevance/popularity:** *Rank*
  1. Which system is **highest ranked?**

|  |
| --- |
| *Name* |

# 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.