

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).

## 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.

|  |
| --- |
| *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 (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.

* 1. Which task management systems did you spike?

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

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

|  |  |
| --- | --- |
| **Name of system** | **Evaluation** |
| *Name* | *Evaluation* |
| *Name* | *Evaluation* |
| *Name* | *Evaluation* |

* + 1. **Relevance / popularity**. Ex: Is it likely you will ever see the task manage- ment system again after the course?

|  |  |
| --- | --- |
| **Task Management System** | **Evaluation** |
| *Name* | *Evaluation* |
| *Name* | *Evaluation* |
| *Name* | *Evaluation* |

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

If you are using numbers to rank, provide a legend to clarify which number means best and which number means worst.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task Management System** | **Ease of use** | **Speed / responsiveness** | **Feature set** | **Relevance / popularity** |
| *Name* | *Rank* | *Rank* | *Rank* | *Rank* |
| *Name* | *Rank* | *Rank* | *Rank* | *Rank* |
| *Name* | *Rank* | *Rank* | *Rank* | *Rank* |

* 1. Which system is **highest ranked?**

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