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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?

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| *oshata* |

* 1. Provide a screenshot of your test commit.

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## 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?

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| *Trello* |
| *Asana* |
| *Jira* |

* 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"**.

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* 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?

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| **Name of system** | **Evaluation** |
| *Trello* | *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* |
| *Asana* | *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.* |
| *Jira* | *Jira isn’t bad either it seems like a more feature-rich version of trello* |

* + 1. **Speed / responsiveness**. Ex: Does it take an annoyingly long time to log in

/ load / create new projects / etc. or is it peppy?

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

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

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

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

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

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

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| **Task Management System** | **Ease of use** | **Speed / responsiveness** | **Feature set** | **Relevance / popularity** |
| *Trello* | *2* | *3* | *1* | 2 |
| *Asana* | *3* | *2* | 2 | *1* |
| *Jira* | *1* | *1* | *3* | *3* |

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

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| *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.