

CS361: Assignment 1: Environment Setup

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# 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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| *SeatacAlert* |

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

* 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 | * It is intuitive to learn. * The layout is flexible and has some suggested templates, but it is a little bit messy for me. * I didn’t find myself having much error using it. * No introductory tutorials but they are still available upon search. |
| Jira | * Very intuitive to learn   Layout is concise and clear that is very user-friendly   * Tutorials available. |
| Asana | * Layout is very concise yet functional. * Great UI that increases user experiences. * Tutorials available |

* + 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 | Great responsiveness throughout using |
| Jira | Takes time for the new users to log in but has good responsiveness overall |
| Asana | Great responsiveness throughout using |

* + 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* | *Once logged in with OSU email, it will be managed by OSU and it’s easy to see other workspaces. Also we can add other apps like development tools and accounts.* |
| *Jira* | *It is very easy to combine development to Jira. For example, Bitbucket and other providers like GitHub can be connected and it is easy to use it from the default page.* |
| *Asana* | *Asana can be connected with various apps. It can send auto-messages to Slack or Teams which can facilitate group work.* |

* + 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* | *Maybe not. I haven’t heard much about this one.* |
| *Jira* | *Probably, I have heard about it before.* |
| *Asana* | *Yes, I think it is a very popular task managing tool that is being widely used by the industry right now* |

* 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* | *2* | *1* | *3* |
| *Jira* | *3* | *3* | *2* | *2* |
| *Asana* | *1* | *1* | *3* | *1* |

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

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| *Asana* |

# 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.