

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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| *shinhonggwan* |

* 1. Provide a screenshot of your test commit.

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| Graphical user interface, text, application, Teams  Description automatically generated |

## 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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| *Trello*  *Graphical user interface  Description automatically generated* |
| *Jira*  *Graphical user interface, application, Teams  Description automatically generated* |
| Asana  *Graphical user interface, application, Teams  Description automatically generated* |

* 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* | The system was easy to figure out. It was divided into 3 sections; “to do”, “doing” and “done.” It had an interesting background graphic. |
| *Jira* | It appears that both Jira and Trello are owned by the same company, Atlassian. Just like Trello, Jira had a similar simple three-step workflow; “to do”, “doing”, and “done” |
| *Asana* | The user interface seems good. I liked the option of choosing a different layout; List style, Board style, Timeline style, and Calendar style |

* + 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* | It was responsive. It didn’t feel like it requires a long time to set the system up. |
| *Jira* | It was responsive like Trello, but it took some time to find the service online. The official name of the service seems to be the “Jira Software” |
| *Asana* | It was responsive. I didn’t feel any lag. |

* + 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* | The file attachment functionality was nice. |
| *Jira* | The comment functionality below each task could be handy. Team members could leave comments. |
| *Asana* | The option to choose a different layout for easier readability was nice. |

* + 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. This was my first time hearing about the service. |
| *Jira* | Maybe. This was my first time hearing about the service. |
| *Asana* | Could be a possibility. I can see a software like this could be useful in a group environment. |

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

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

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| Asana & Trello (tie) |

# 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.