

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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| *Afarhat19* |

* 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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| *Jira* |
| *Monday.com* |
| *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** |
| *Jira* | *Jira seems like it’s the most straightforward form my research. It does not seem to complicated. It’s what I envisioned when I was looking for a Task Management System. Very easy to use. Lots of online support and documentation as well.* |
| *Monday.com* | *Monday.com I would say is moderately easy to use. It’s not simple. There are a TON of options and I think that has overwhelmed a little bit. I think organizations would have to really know what they are looking for to use this. If you have a really focused and ideal way that you would like to do things then this is the one. I definitely had trouble getting started with the sheer number of options that you could do I didn’t know where to start.* |
| *Asana* | *Asana is similar to Jira in terms of ease of use. I found it pretty easy to start and get set up. I don’t really see any major difference here. I liked the tutorial that they had. Not as much online help compared to Jira but still good enough.* |

* + 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** |
| *Jira* | *I found Jira to be very quick to make a new project. Like instantly. It was very responsive. Logging in is easy as well. No complaints here.* |
| *Monday.com* | *I found Monday.com to be very snappy as well. I had no problems creating a new task or updating it or anything like that.* |
| *Asana* | *Also very quick and snappy. Creating items is super simple and is very fast.* |

* + 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** |
| *Jira* | *It has everything I need. I really liked the “Project Pages” feature. It’s basically a place for my partner and I to brainstorm. It’s kind of like a scratchpad that we could both use and I thought that would be pretty cool.* |
| *Monday.com* | *I really liked the way that Status’s are kept and I think we can use that feature to our advantage. I think that IF we are accurate and up to date we can really gauge how close my partner and I are to finishing tasks. You can leave notes within the status’s and I think that will be really helpful for us later on.* |
| *Asana* | *The big think with Asana that I liked was the calendar feature. I know it sounds trivial but I really appreciated how easy it was to find a calendar view compared to something like Monday.com. I could not find a calendar view at all for it and Asana just has one on the main page and it’s very well implemented. I could see my partner and I using that for sure.* |

* + 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** |
| *Jira* | *I think it will be pretty likely that I see Jira again. I have seen a ton of job postings that have Jira in it so I think that its fairly popular and that people will use it.* |
| *Monday.com* | *Really and truly I have never heard of this software. It has a TON of features so I think it is probably very popular. I can see a small organization that knows what it needs using Monday.com over other options because of it’s customization offerings. I’m sure I will see it again.* |
| *Asana* | *I could really see Asana being used. I have already heard of it before this course. I have seen a couple companies mention it in job postings. Not nearly as much as Jira but enough for me to take note of it. I think it has just as many features as Jira and will definitely see this in the future.* |

* 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** |
| *Jira* | *1* | *1* | *2* | *1* |
| *Monday.com* | *3* | *1* | *1* | *3* |
| *Asana* | *2* | *1* | *3* | *2* |

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

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| *Jira* |

# 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.