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. Please **label your responses** so graders know what's what.

1. **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.

   (a) What is your GitHub username?

   (b) Provide a screenshot of your test commit.

2. **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.

   (a) Which task management systems did you spike?

(b) **Try** each system. Create a task then update it, assign it, delete it, etc. **Screenshot** your task in each system and include the screenshots in your submission. Name the tasks **"CS361 Test Task"**.

(c) For each, **evaluate** against at least these criteria:

  i. **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? (1+ sentence)

  ii. **Speed / responsiveness**. Ex: Does it take an annoyingly long time to log in / load / create new projects / etc. or is it peppy? (1+ sentence)

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

  iv. **Relevance / popularity**. Ex: Is it likely you will ever see the task management system again after the course? (1+ sentence)

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

Submission

PDF or Word format via Canvas.

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.