CS62 Lab0: Setup

Java Fundamentals

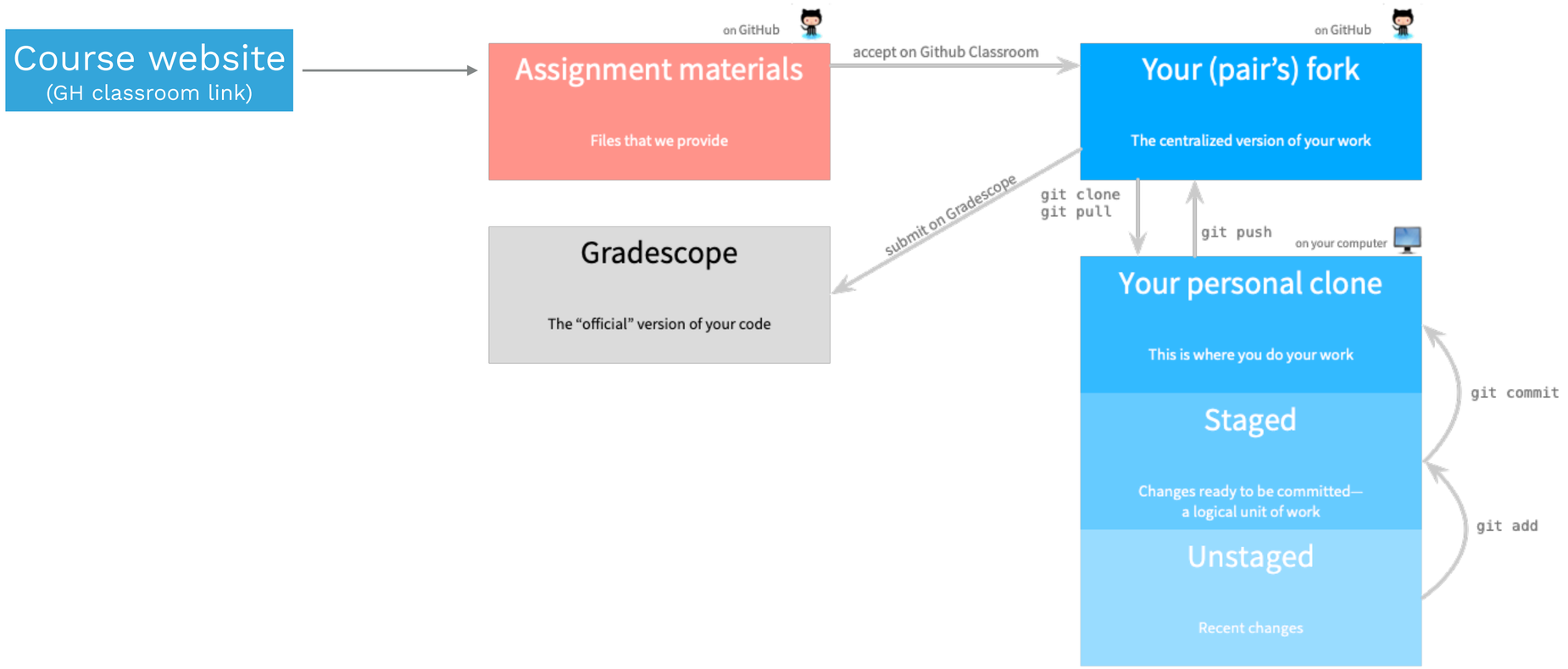


Image stolen from https://hmc-cs-131-spring2020.github.io/howtos/assignments.html

Our wonderful TAs!

Mentor hours:
Mon 8-10pm

Kellie Au (she/her)

Senior

Mentor hours:
Tues 5-6pm

Jack Chin (he/him)

Senior

Mentor hours:
Tues 3-5pm

Asya Lyubavina (she/her)

Senior

Mentor hours:
Tues 6-8pm

Nick McGeveran (he/him)

Senior

Mentor hours:
Fri 3-4pm

Francisco Morales Puente (he/him)

Senior

Mentor hours:
Thu 4-6pm

Dylan O’Connor (he/him)

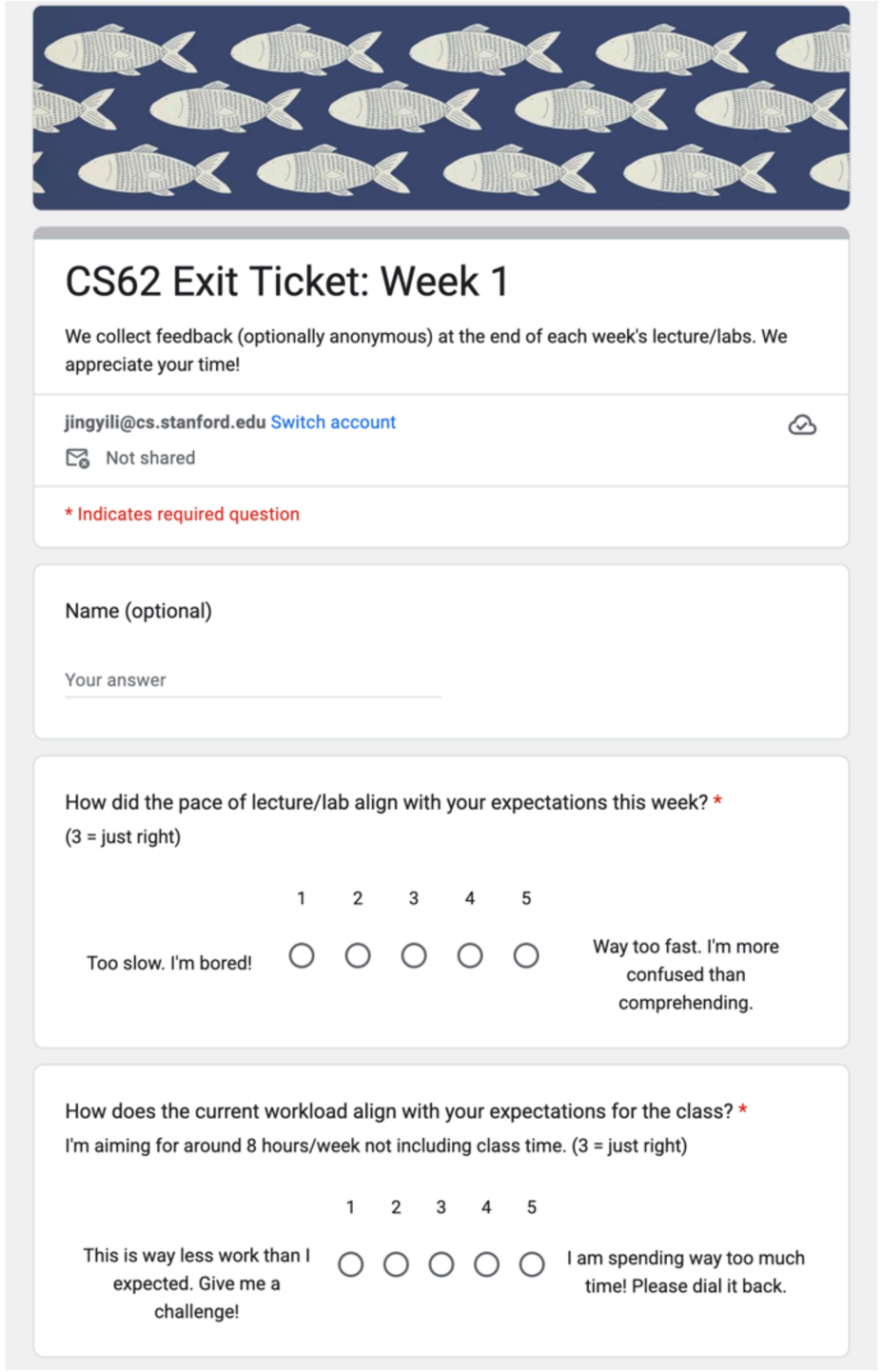
Senior

Lab0 agenda

- AI policy discussion
- Lab: set up VSCode, understand the Github->Gradescope assignment flow, write a few lines in Employee.java
- Checking off: make sure you also do exit tickets
- Bonus: Get started on HW1. Or if you forgot to submit the survey, last chance to get points for it.

Exit tickets

- A short (anonymous) survey at the end of each week about how this week went
- Please submit it to get checked off for lab (show the TA/prof the “page submitted” confirmation)
- https://forms.gle/HAwpyhMZKWorKzcA8



Class collaboration policy

- Same as CS51P: In general, you should not be looking at anyone else's working code unless you're pair programming. Clarifying concepts with friends/TAs, great. Talking at a high level/writing code on whiteboard, great. The main goal is to help each other learn in a community.
- I acknowledge most cheating happens when circumstances are dire. If you feel like you are at this place, please talk to me - we can always grant extensions/accommodations. The important thing is for you to learn the material.
- Gradescope has an automatic plagiarism checker (+ ChatGPT/Co-pilot/LLM checker) and we manually review each assignment for similarity! This is enforced!

AI usage policy

AI Policy: Students may use ChatGPT/Claude/other LLMs in the course under limited circumstances. First, every usage of generative AI needs to be properly **cited and documented**, i.e., students should provide a hyperlink to their chat session log in the header comments of their code. Second, students should treat LLMs as the metaphor of a TA. This means the following actions are allowed:

- Asking to generate practice problems
- Asking to explain high level concepts
- Including "do not generate any Java code. Only explain the concepts." in the prompt.

Students may not use LLMs for:

- Solving homework problems by pasting in the instructions
- Debugging their code by pasting in the code directly
- Generating any code for assignments (please include a 'do not generate code' prompt if you are getting assignment help).

Appropriate response to a violation of the AI policy will be determined on a case-by-case basis with a meeting with the instructor.

- "I think this class is very very important especially when it comes to students who want to pursue a SWE role in the future, which I plan to. So I think AI should not be used at all, but rather let students figure out themselves even if it takes multiples hours of trial and error."
- "I am a supporter that AI should and could be used anywhere; however, for the scope of the class, I feel like AI should not be used for exams though they could be used for homework for short code snippets (not long)."

- What some of you said on the survey:
- "I think AI can be helpful for generating practice problems/maybe even debugging errors, but I don't think it's reliable, helpful, and/or ethical to rely on it to write all of your code."
- "Personally, I do not like to use chatgpt or any ai at all as I feel like it has many negative environmental and social effects. I think that chatgpt can be okay at explaining concepts but then again the ai model had to get it from somewhere meaning its most likely available somewhere else on the internet in a less harmful format."
- "When we enter the workforce, AI will be a tool at our disposal that we need to be able to understand, so allowing us to work with AI in a supportive environment is imperative for proper application."
  - "i personally don't use it and i don't really want to hear about it"

AI usage policy discussion

- Discuss these scenarios:
  - It is the night before an assignment is due, there are no more mentor sessions, and you are stuck still debugging the last point on the homework. Is it morally permissible to paste your code into ChatGPT and ask it to find the error? If not, what should you do instead?
  - Before LLMs, we had StackOverFlow, which required browsing through answers and choosing the best one: there was some kind of friction involved and it took a lot of time. LLMs have made things very easy to remove some of the “learning”. What is the relationship between suffering and learning computer science, for you?
- Note from Prof Li: LLMs are sometimes not very accurate, but are always very confident — you can’t rely on it too much if you don’t know when it’s wrong
- Are there any edits you want to make to the existing policy?

REPORT AI SCIENCE

Google says a typical AI text prompt only uses 5 drops of water – experts say that’s misleading

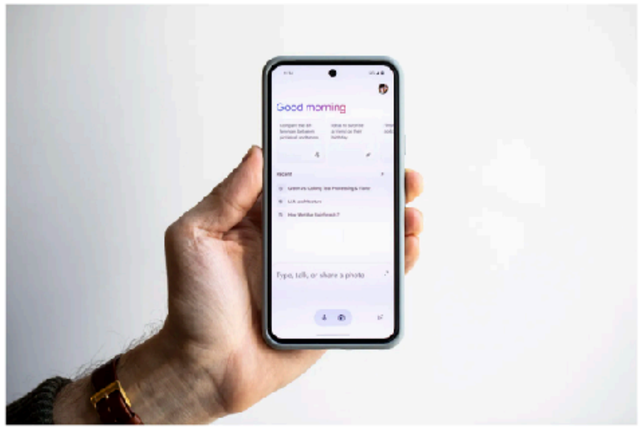


Photo by Amelia Holowaty Krales / The Verge

/ Google shared a study of Gemini’s environmental impact, but it omits some key data.

closer to 50ml for electricity to keep data centers up

by Justine Calma
Aug 21, 2025, 5:00 AM PDT

0 Comments

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Justine Calma is a senior science reporter covering energy and the environment with more than a decade of experience. She is also the host of **Hell or High Water: When Disaster Hits Home**, a podcast from Vox Media and Audible Originals.

https://www.theverge.com/report/763080/google-ai-gemini-water-energy-emissions-study

HW1: 3 Beginner Problems

- Learning goals: to practice writing more code in Java, to warm up your problem solving skills. (It’s a hand-holdy assignment!)
- 4 “canonical” CS problems:
  - Fizzbuzz
  - Check if string is palindrome (you did this in Haskell!)
  - Two Sum (your first Leetcode problem! It’s rated “easy”.)
  - Score Increasing (from AP CS A)
- Due Tues 9/2 11:59pm on Gradescope (make sure you’re committing your progress on Github intermittently!)