

# Welcome to COMP122

Dr. Steven Fitzgerald

“Steve”

# Attendance and Feedback System

- For the first two weeks of class, attendance will be taken for administrative purposes.
- Students who do not attend classes during the first two weeks are subject to administrative withdrawal.
- You are responsible for using the feedback system to record your attendance during the first two weeks of class you have attended class via the following link:

[Feedback System](#)

[Spring23 Feedback System](#)

# Today's Material

- Announcements
- Some Philosophy
  - Definition: a theory or attitude held by a person that acts as a guiding principle
- Class Notes
  - notes\_08\_28.md
  - My notes, but I share!
  - I make mistakes – all the time – but I take steps to fix them as I identified
  - Markdown Viewer
- Command Line Interface (CLI) versus a Graphical User Interface (GUI)
  - The missing semester: <https://missing.csail.mit.edu/>
    - The shell, shell tools and scripting, and the command line environment
    - Version Control (git)
    - Editors (subl) [Sublime Text]
  - A comparison between the CLI and the GUI

But let's go back to the announcements

# Quick Overview of: Tools and Resources

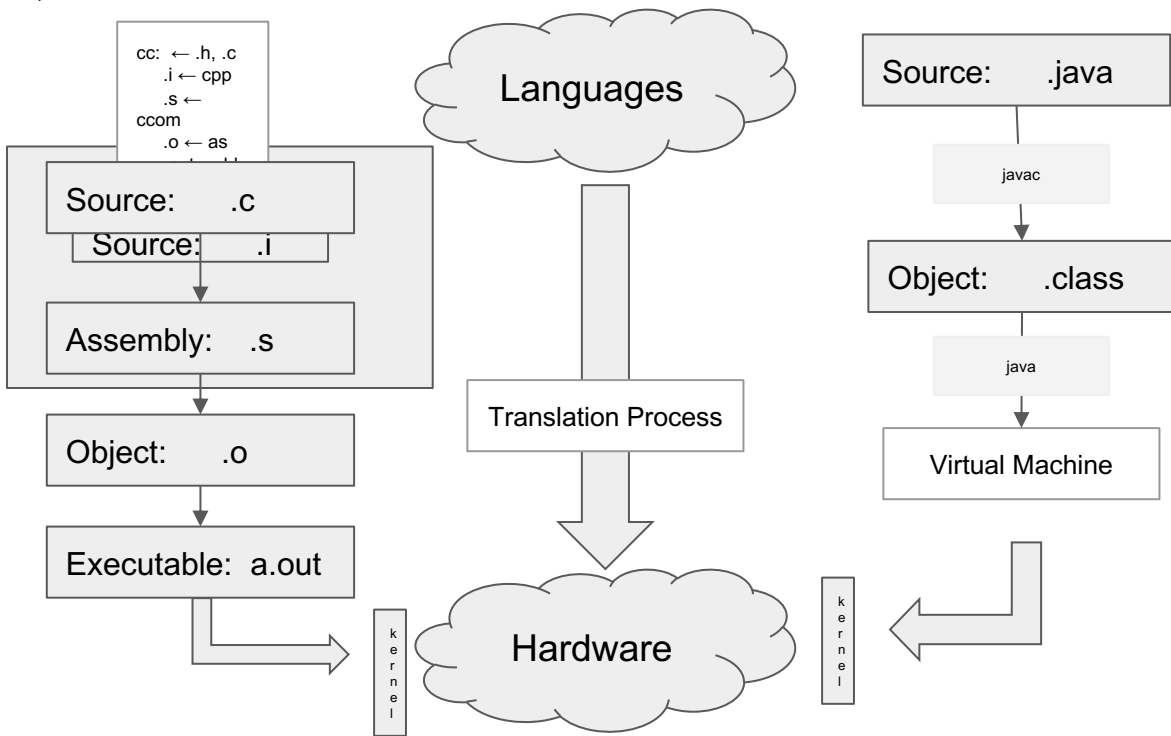
- Sublime Text:
- One Markdown:
- Lecture Slides:
  - “lecture\_ordering.md”
  - “slide\_presentations/”
    - Currently, they are in the .hidden subdirectory
    - Ask me why!
- Slack: [comp122-csun.slack.com](https://comp122-csun.slack.com)
  - channel: #fitzgerald-s23
  - Pins
  - Threads
  - Markdown
  - Code snippets (i.e., no images.)
- GitHub Documents:
  - <https://github.com/COMP122>
  - Invitations URLs: <https://classroom.github.com/a/c1oXvbim>

# Administrivia

- Github:
  - <https://github.com/COMP122>
- Class Material Walk Through
  - <https://github.com/COMP122/comp122-f23/blob/main/README.md>
  - `~/comp122/readme.md`
- Syllabus
  - <https://github.com/COMP122/comp122-f23/blob/main/syllabus.md>
  - `~/comp122/syllabus`

# Languages, Compilers, and Hardware:

- Languages
  - Domain Specific
- Compilers & Interpreters
  - Analysis
    - lexicographical
    - syntactical
    - semantics
  - Language Optimization
  - Machine Optimization
  - Translation: TAC → MIPS
- Hardware
  - General Types: Registers / Stack
  - Specific CPU Controls
- CLI: compilation exercise



# Lab: Walk through:

- Laptop Setup:
  - ~/comp122/setup.md
- Assignments:
  - ~/comp122/deliverables/assignments.md
  - Assignment #1:
    - Public\_URL: <https://github.com/COMP122/first-assignment>
    - Invitation URL: <https://classroom.github.com/a/3Oe57wgq>