Welcome to

Today's Goals

1. What is the course about?
2. Are you in the right course?
3. What are the instructional and workload expectations?
4. Course Setup/Homework

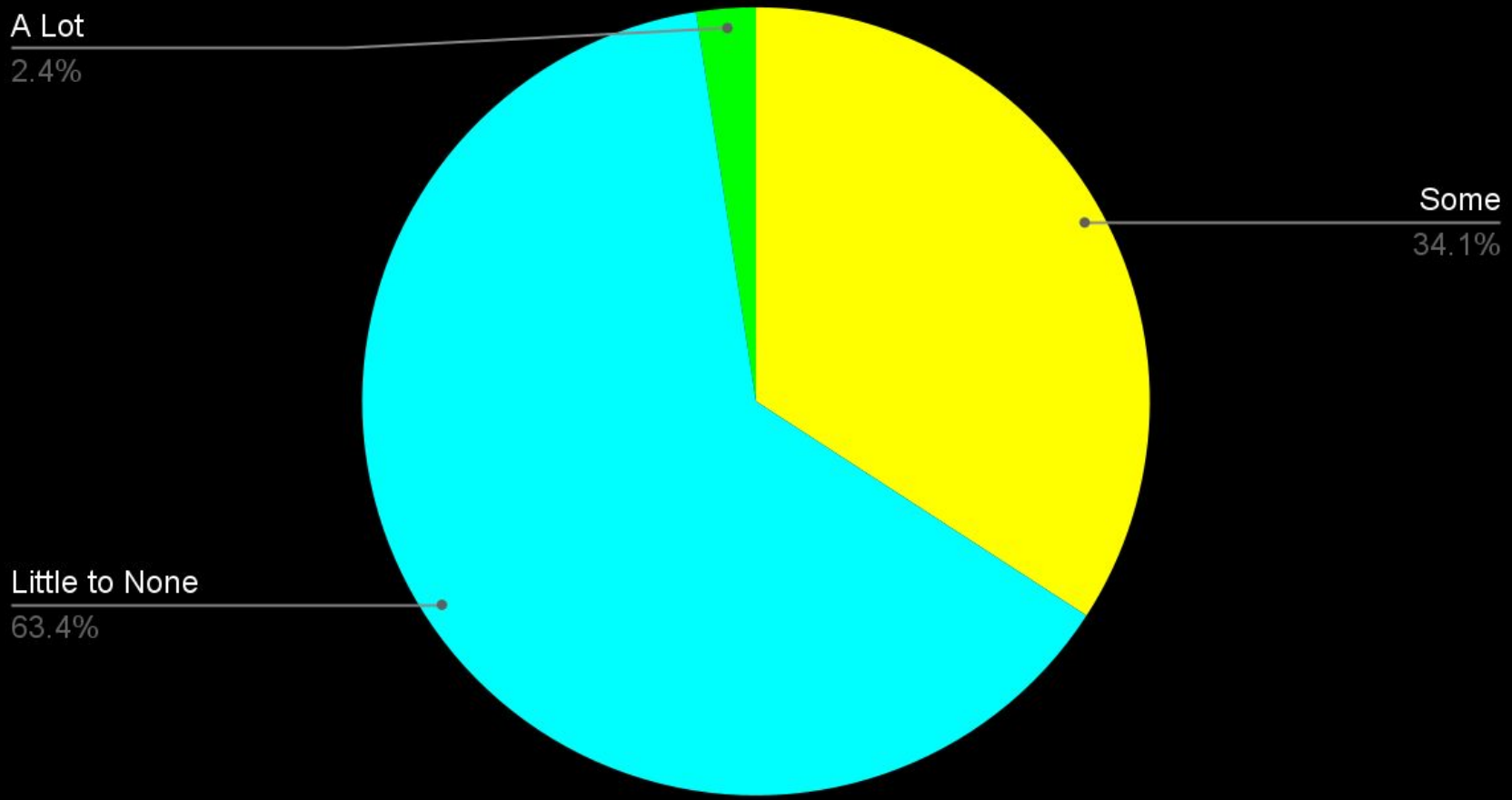
About me (Alyssa)

- Originally from Orlando, FL
- Changing last name from Byrnes to Lytle
- PhD @ UNC 2022
- No coding experience until I took my first college class!

Your UTA Team!

- Your COMP110 UTA Team!
- This course would be **impossible** for all of us, if not for them.
- THE absolute best UTA team at Carolina. You will 💙 them.
- This team can do it all: they'll help teach you concepts you're struggling with, guide review sessions, study guides, generate lecture ideas, and build exercises.
- Drop-in, in-person office hours will be available to you every weekday-check website for hours!

TA Coding Experience Before Taking 110



Zero Programming Experience Expected

- This course assumes *no* prior programming experience
  - But some experience is OK

- COMP110 is a ***rigorous*** introduction to programming.
  - 7.5 hours of lecture/lessons per week
  - and ~9 hours of practice / course work

The Instructional Format of COMP110

- Mondays + Wednesdays will be **asynchronous**
  - (Today is an exception, obviously!)
  - Used to teach new concepts and implement tutorials
  - Same-day assignments
  - You can ask questions on Canvas!

- Tuesdays, Thursdays, + Fridays will be **live** and **in person!**
  - Used to practice new concepts
  - Same-day assignments
  - In-Lecture Help
  - Will be live streamed
  - *Fridays = quiz day!* (Except this Friday!)

Course Objectives

- You will learn the **fundamentals of programming**
  - Using common tools and techniques used by software engineers
  - These concepts are universal and apply to nearly all programming languages
  - You will leave knowing what it feels like to be a programmer
- You will gain practice with **computational thinking**
  - **Thinking algorithmically** while breaking down problems step-by-step
  - Thinking at varying levels of **abstraction** by describing problems & solutions abstractly and precisely
- *Full curriculum linked in syllabus!*

Course Website

https://comp110-24ss1.github.io/

(Syllabus is on there!)

What will you do in this course?

- **Prepare** - Actively Watch Assigned Videos, Attend Class, Review Notes
  - You should take notes and actively follow along with coding and diagramming examples
- **Participate** - Follow-along in Lecture, Respond to Lesson Questions
  - Practice reading, diagramming, and writing code
  - Reflect on big questions in computer science and society
- **Practice**
  - Memory Diagrams: Pen-and-paper evaluation of code just like the computer does
  - Programming Exercises + Challenge Questions:
    Programming problems to practice fundamentals
- **Demonstrate Mastery**
  - Quizzes: 5x timed quizzes
  - Final Exam

Grading Breakdown

- Prepare:
  - 5% - (RD) 3x Reading Responses
  - 10% - (LS) Lesson Responses
- Practice:
  - 35% - (EX) Programming Exercises
  - 10% - (CQ) Challenge Questions
- Demonstrate Mastery:
  - 30% - 3x Quizzes
  - 10% - Final Exam

Quizzes

Quizzes are ***in person***, pencil and paper, during your section's lecture time. You are only permitted to be absent for *one quiz*.

NO MAKEUPS!

All dates are online!
For full policies, see syllabus.

Exercises, CQs, + Autograding

- You can resubmit to the autograder without penalty before the due date
- If you do not get full credit - stop and think about what might be causing a test to fail. Try again!
- Be careful to avoid a frustrating loop of "tweak one small thing, resubmit, tweak one small thing, resubmit, ..."
    1. See if you can reproduce the error
    2. The autograder gives you feedback!
    3. If you find yourself stuck in this loop, stop by office hours.

Programming is a Practiced Skill

- Like playing an instrument, painting, writing cursive letters, dancing, singing, sports, wood working, quilting, and so on.... **Time spent *individually practicing* is the key to success.**
- This is *very different* from courses that are knowledge-based!
- The team and I want you to succeed in learning how to program, so we structure everything we do toward helping you practice individually.
- *Know what every line of your code is doing!*

How do *you* believe programming will be valuable toward achieving *your* personal goals?

Why are you in this course?

Think for a **minute**, introduce yourself to your neighbor(s) and **discuss**, then we'll **share**.

Office Hours + Help

- See Support > Office Hours > Course Care
  - Instructions on how to register

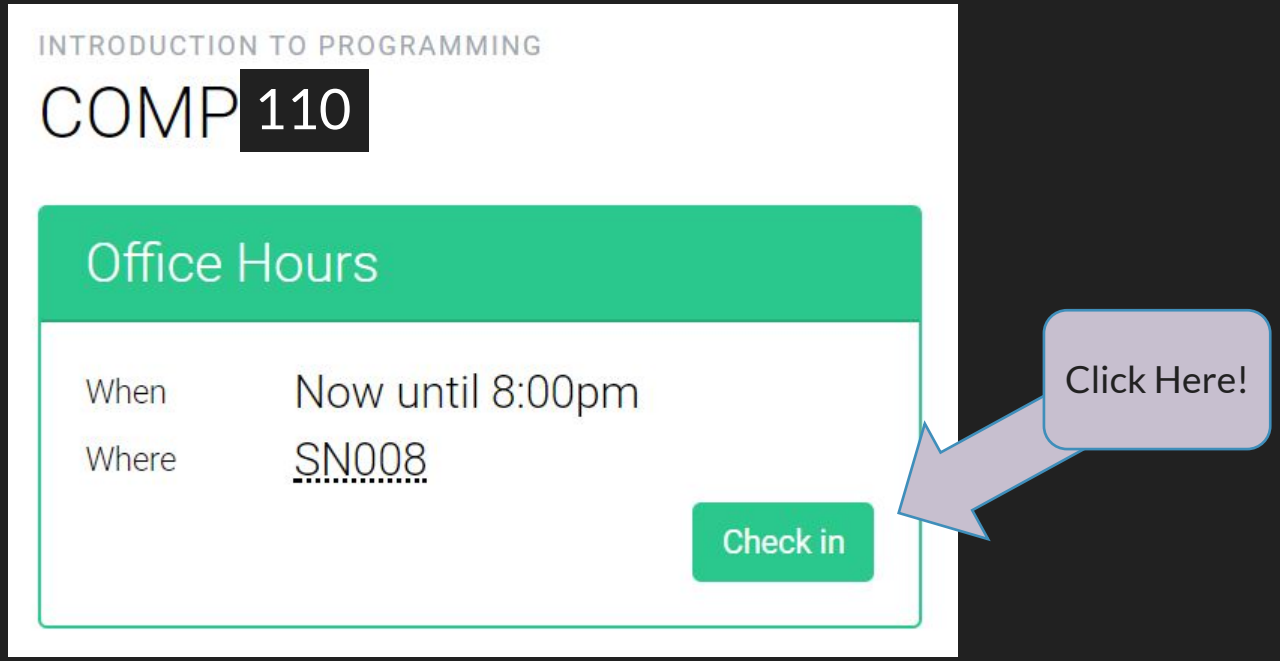
- **Open House** will be held this week Thursday-Friday

Office Hours

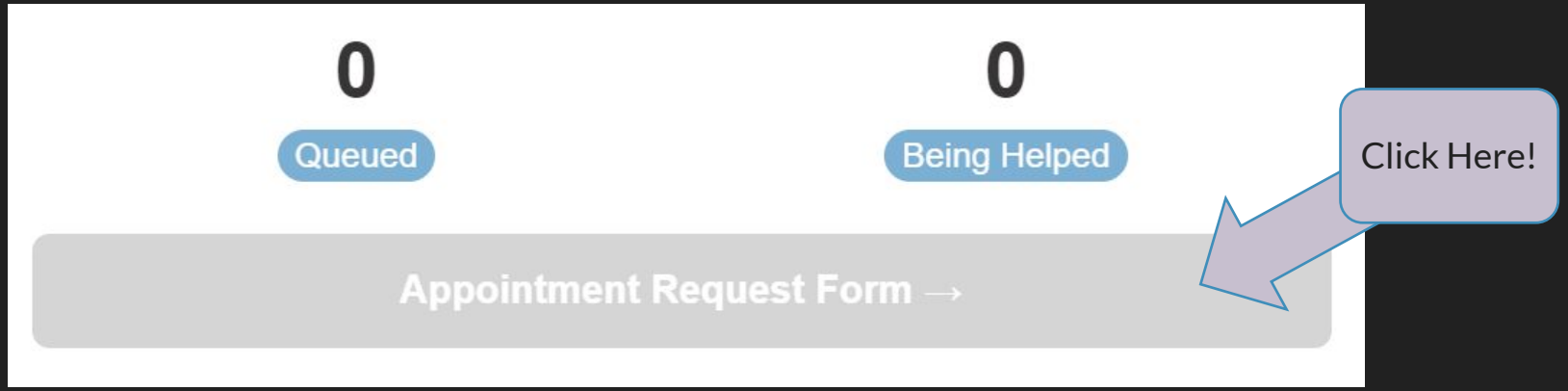
- Official Office Hours begin *today after class!*
- Hours are on the website
- We use Course.Care (sign up info on website!)
- General Rules:
  - Must submit a ticket to be seen
  - Limited to 15 minutes and one specific question per appointment
  - Completely lost? Email Comp110 Help

Office Hours Check-in Process - Starting SUNDAY

Click on "Get Help" on the course home page

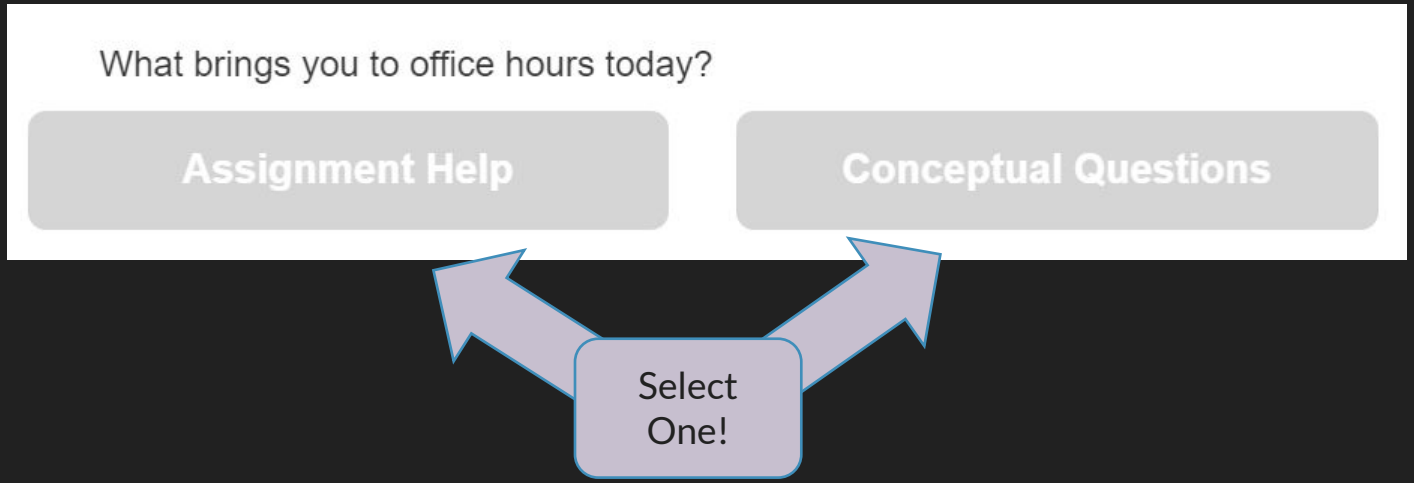


Office Hours Check-in Process



You can see how many people are currently waiting to be helped and currently being helped ahead of you.

Office Hours Check-in Process



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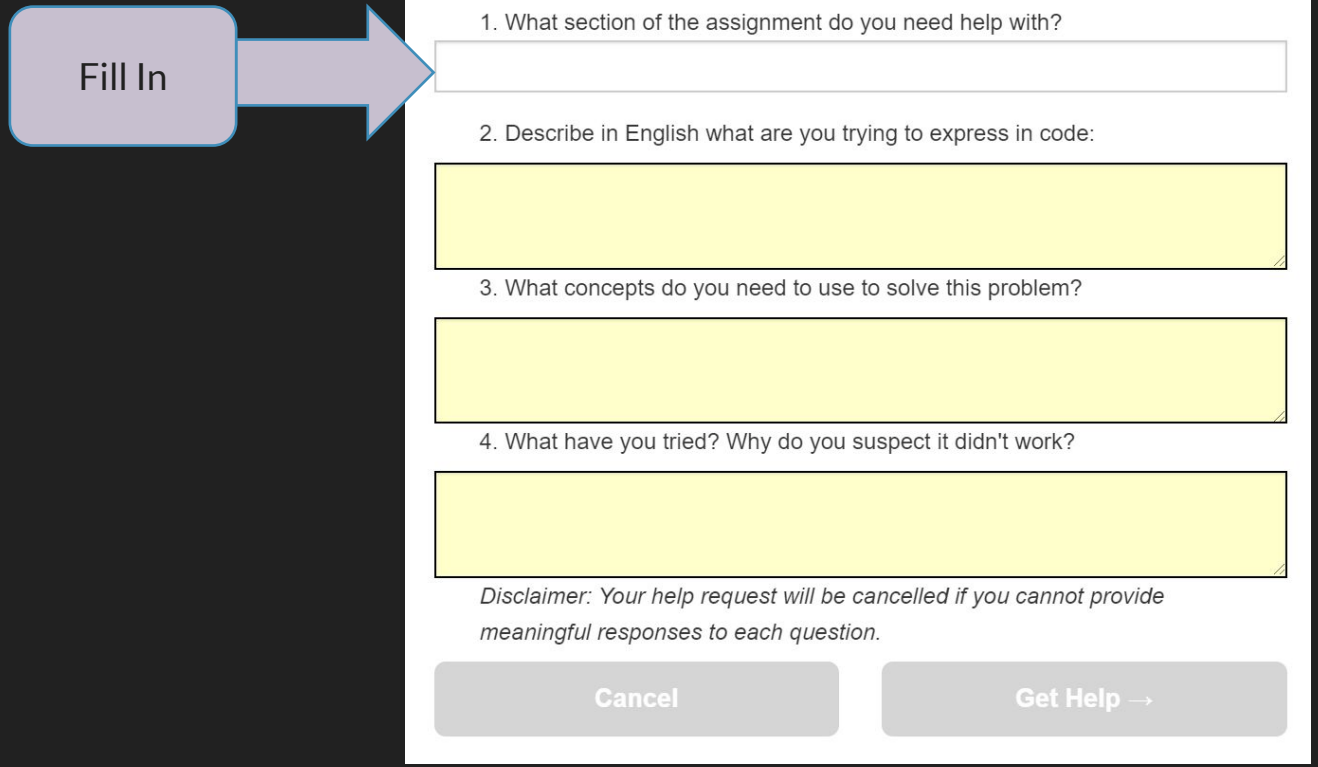

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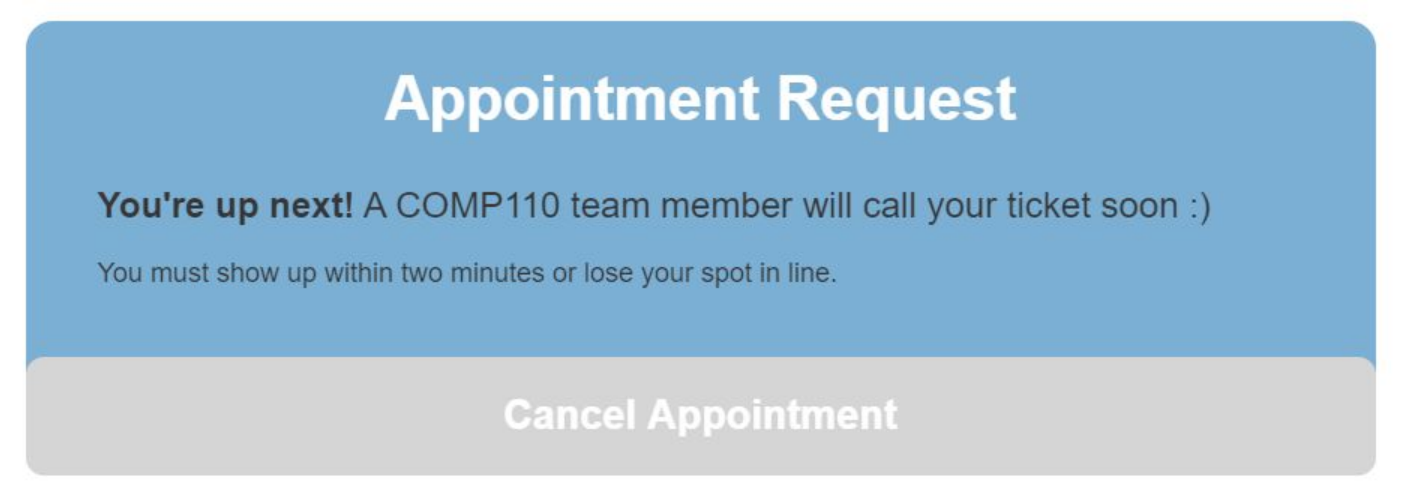

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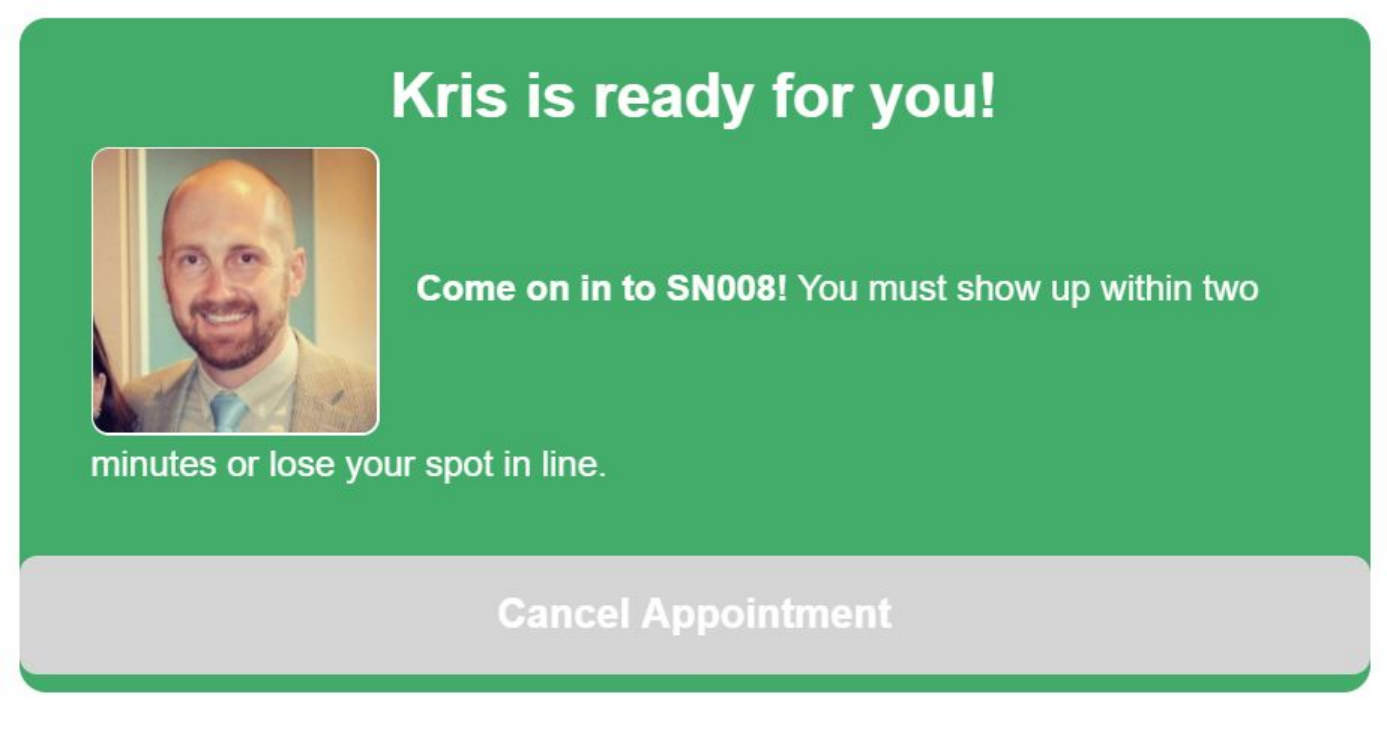

Feedback + Help

Feedback is always welcome! I have a feedback link posted on the course website!

For help, you can post your questions on Canvas or email comp110help@gmail.com

Today’s Work

- Read Syllabus and Support on Course Page
- Respond to Lesson 00 (LS00) Gradescope Questions
  - Due today at 11:59pm
- Course Setup + EX00
  - Try and get this done in class today!