GWC-CU Intermediate Python
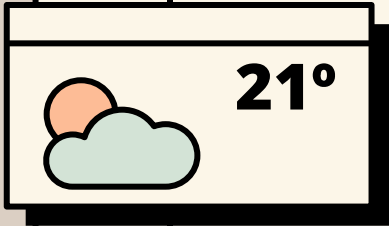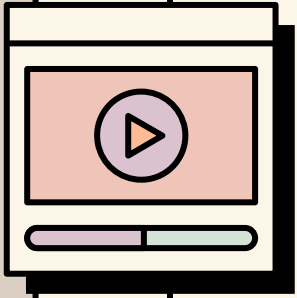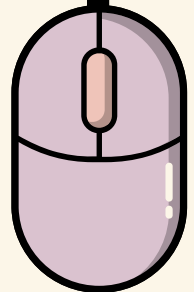
Lecture 1 | Fall 2023

21°

Agenda

01 **Introductions**
Check-in, logistics

02 **Lecture**
Python fundamentals
(Part 1)

03 **Project time!**
Independent work time

04 **Solution &
Wrap up**

01

Introductions

Meet your instructors and classmates!

Meet Your Instructors

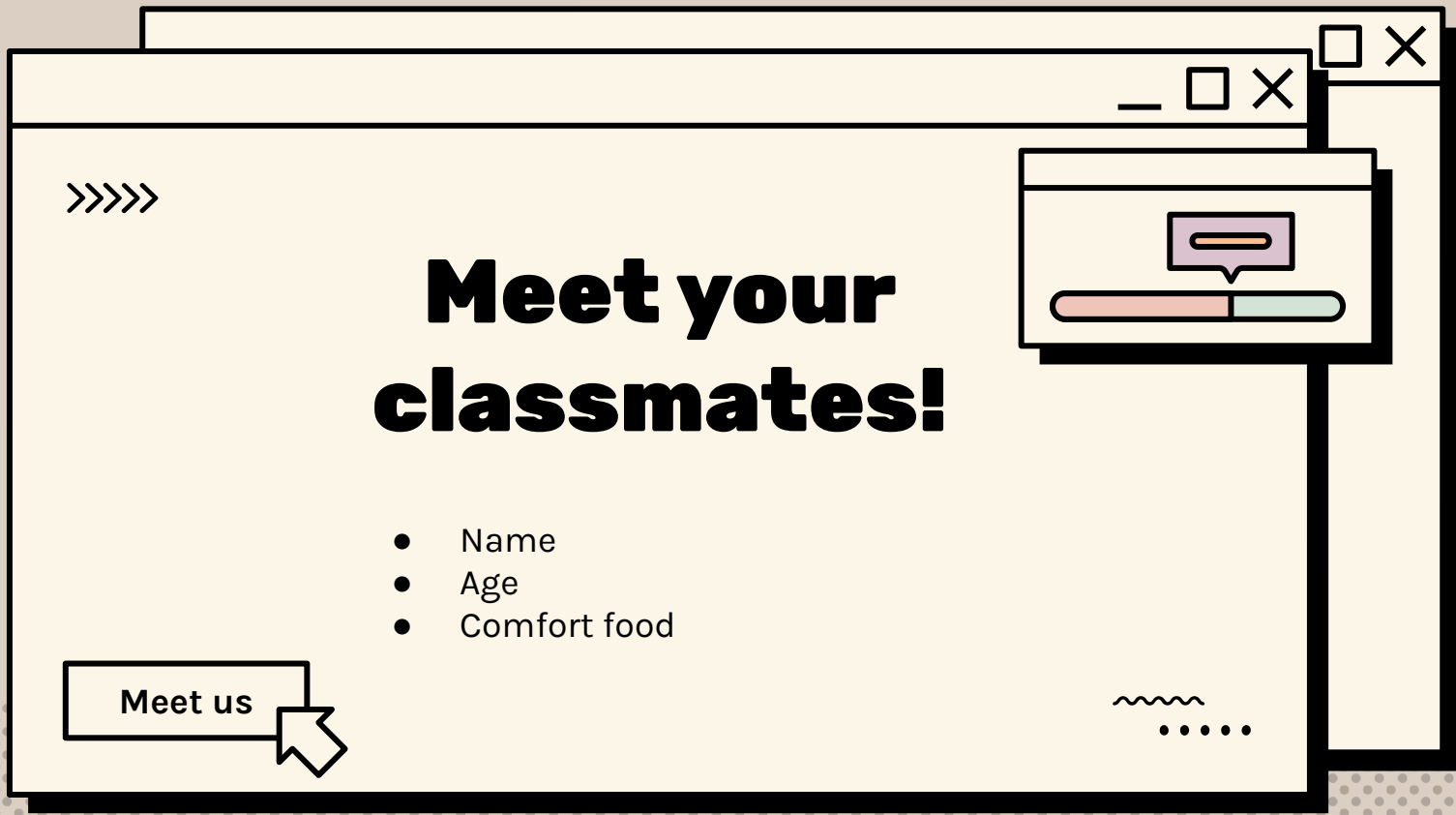**Nina Rauscher**

M.S. in Business Analytics

Meet

Geneva Ng

B.S. in Computer Science

Meet

Meet your classmates!

- Name
- Age
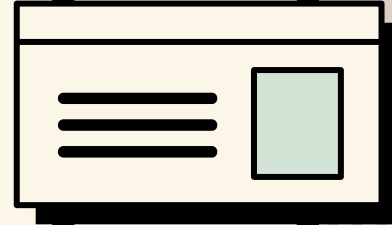- Comfort food

Meet us

Logistics

Classroom Agreement

Class Schedule

Environment Setup

Classroom Agreements....

- Don't be afraid to ask questions/for help!
- Be considerate of everyone else!
- Be respectful and supportive of your classmates to ensure class is a safe learning environment!

Class Schedule

When? Saturdays (10/14 - 12/9) 10:00 am - 11:30 am on Zoom (EXCEPT 11/25) (see here)

What does each class look like?
- 10:00 - 10:10: Check-in + logistics (10 min)
- 10:10 - 10:40: Review + lecture + code-along exercises (30 min)
- 10:40 - 10:50: Break (10 min)
- 10:50 - 11:10 Project time! (20 min)
- 11:10 - 11:25: Solution code-along (15 min)
- 11:25 - 11:30: Wrap-up (5 min)

What will we learn this semester?
- Python fundamentals + various applications
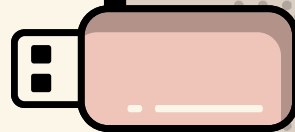- Mini projects and exercises!

02

Lecture

Python Basics

Today's Topics

Variables	**Strings**	**Lists**
Dictionaries	**Control Flows**	**Functions**

Workshop with the teachers!

- Feel free to ask any questions in the chat at any time!

- These resources will be shared with you at the end of the session

- **Reminder: NO QUESTION IS STUPID**

  - If you are unsure about a concept, you're not alone.
  - You are here to learn and we are here to maximize your learnings :)

03

Project Time!

Guessing Number Game | Pig Latin | Food Ordering Machine

Today's Exercises

Number Guessing Game

Pig Latin

Food Ordering Machine
(Bonus)

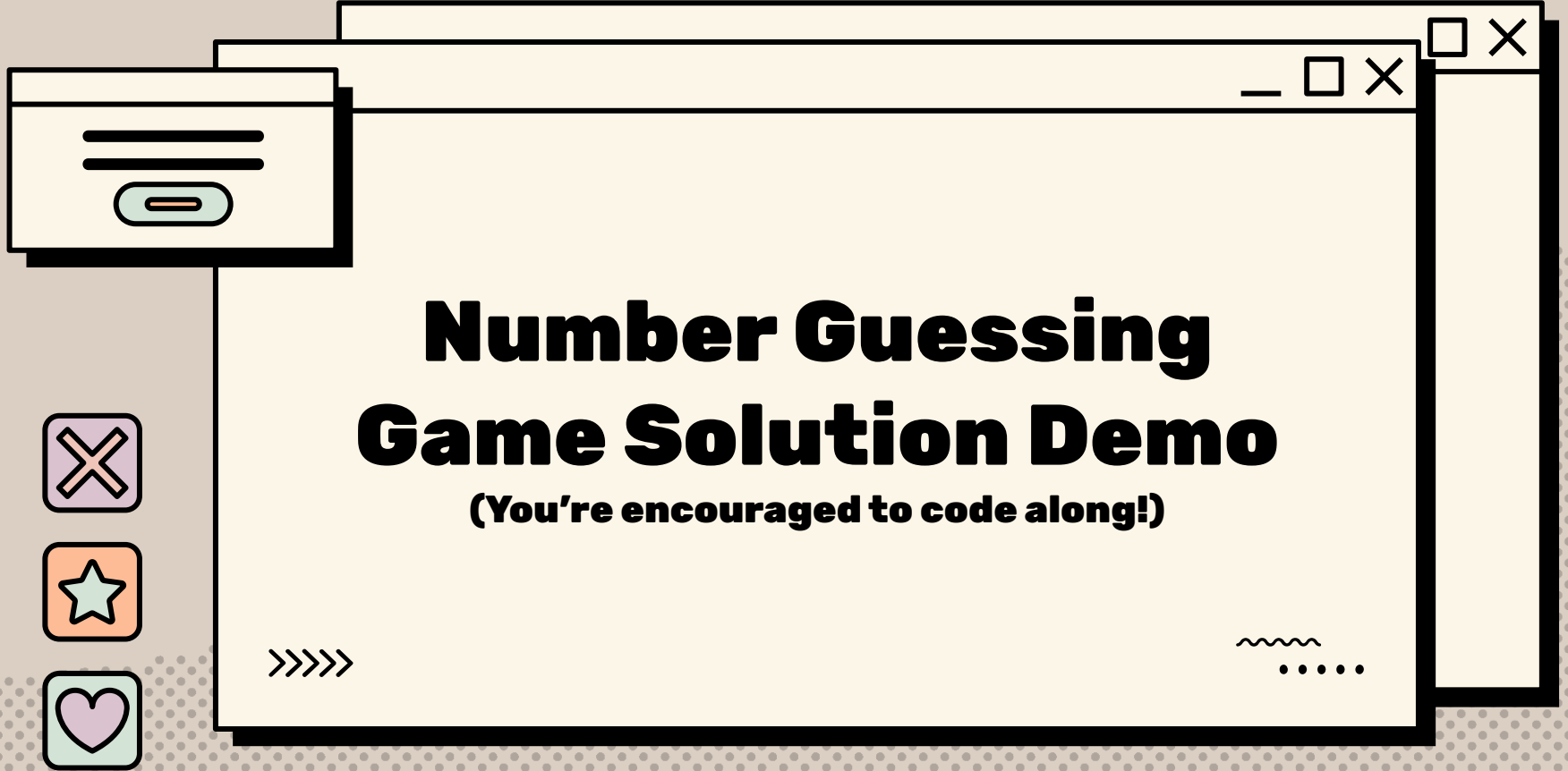# 04

Solution & Wrap Up

Guessing Number Game | Pig Latin | Wrap Up

Number Guessing Game Solution Demo

(You're encouraged to code along!)

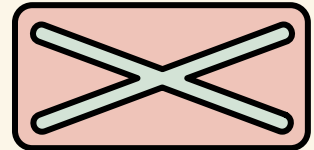# Pig Latin
Solution Demo
(You're encouraged to code along!)

Wrapping Up...
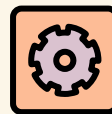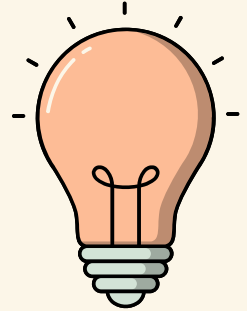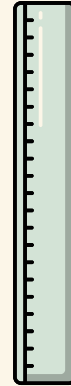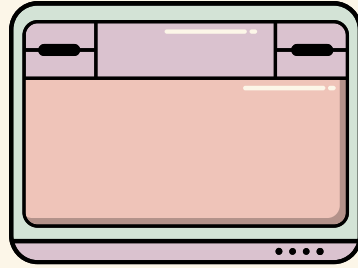
- We reviewed some python fundamentals today!
  - Variables and data types
  - Strings, lists, dictionaries
  - Control flows
  - Functions
- We covered two exercises:
  - Number Guessing Game
  - Pig Latin

Questions?

Exit Ticket!

- Please complete before you leave
- <u>Completely anonymous!</u>