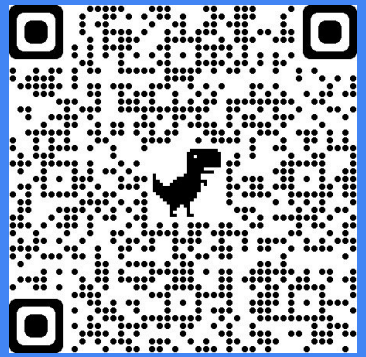
ACM CSIP Summer 2021

Meeting 2! Check-in pls: https://forms.gle/MyQttun5eVhH2W6X6



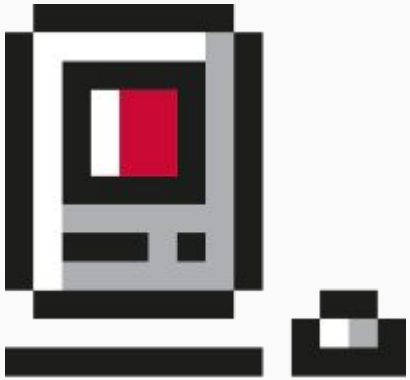
Welcome!

- Itinerary
  - Introduction
  - Polls
  - Whiteboarding
  - Tools
  - Approach
  - Bake a Cake

Introduction

Introduction

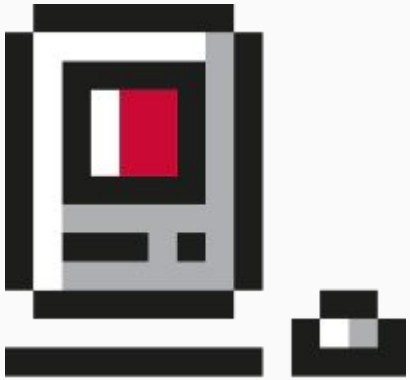
- Computer Science Interview Prep (CSIP)
- Meeting Tuesdays @ 7PM, ACM Discord
- Focused on professional, personal, and technical development
- Will be focused on both behavioral and technical interviews



Polls

Polls

- See check-in form
- How many of you have pair programmed?
- Have you ever had an interview question that was too difficult?
- What's your favorite interview platform?

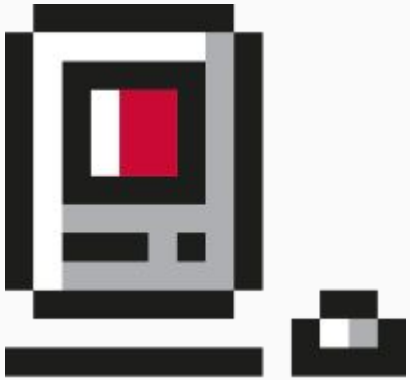


Exact Instructions

Whiteboarding

Whiteboarding

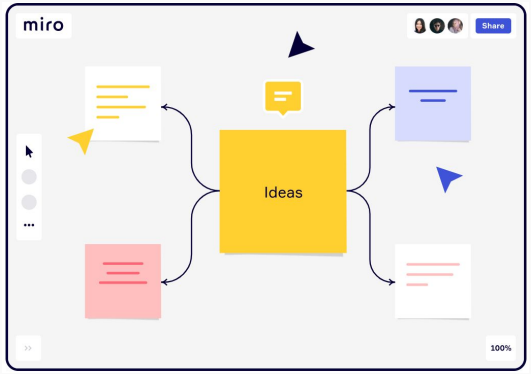
- Technical
- In-person or online
- Individual or collaborative
- Intended to emphasize presentation as well as process

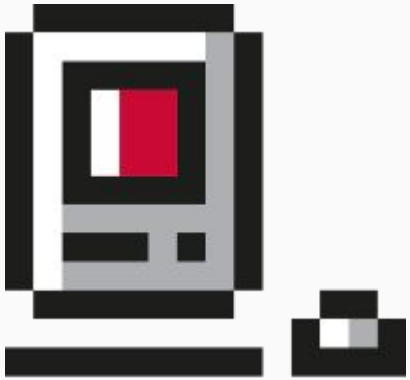


Tools

Tools

- Cracking the Coding Interview
- Miro / Figma
- Link to our FigJam here

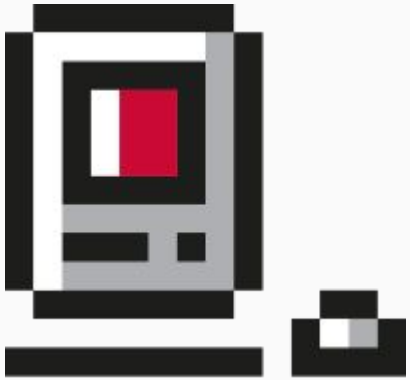


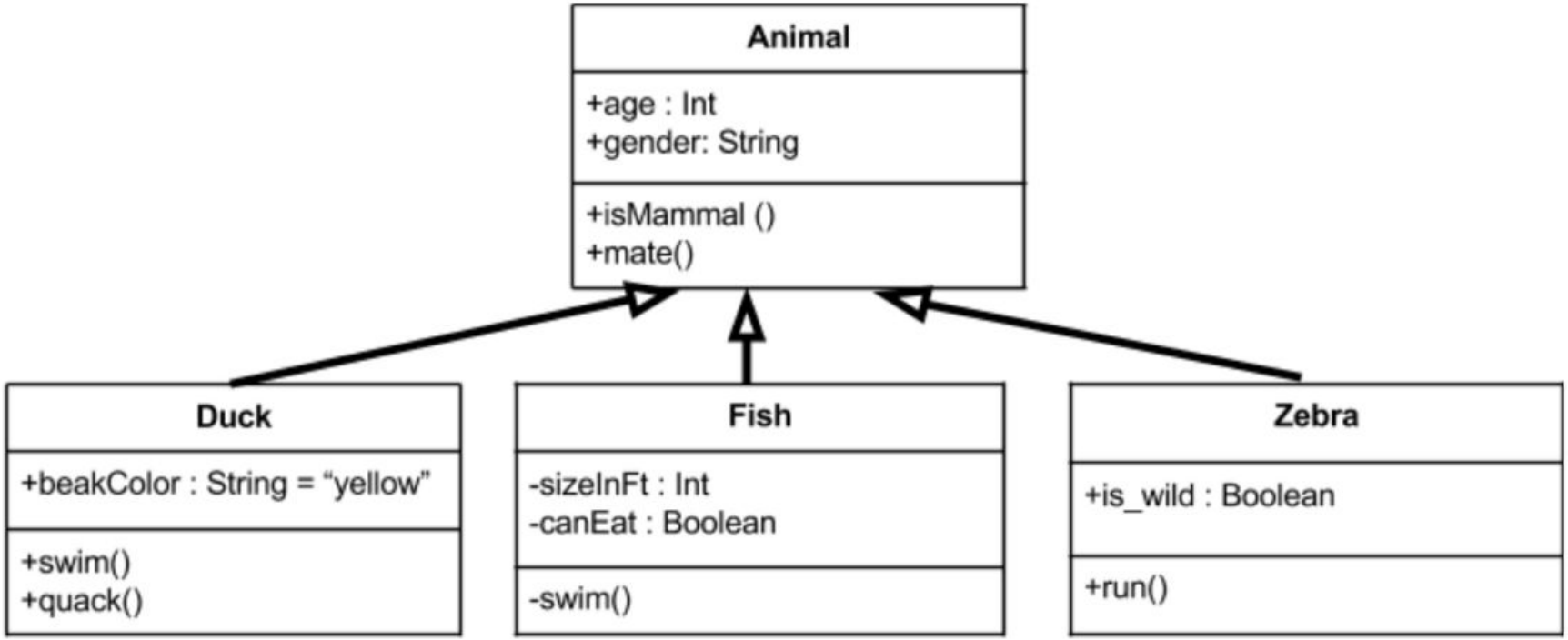


Approach

Approach

- Cracking the Coding Interview (p. 78)
- Good code is correct, efficient, simple, readable, and maintainable
- Have your solution be reusable




Animal
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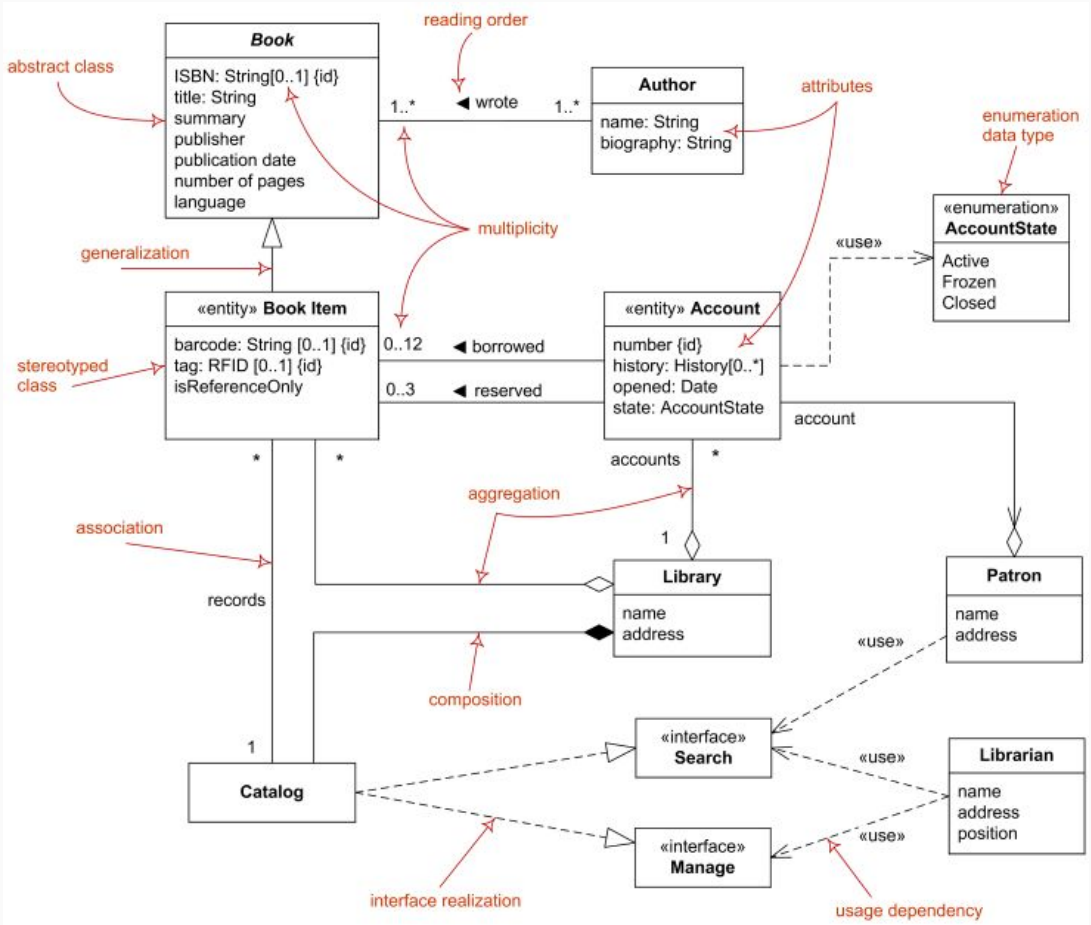
+gender: String
+isMammal ()
+mate()
Duck
+beakColor : String = “yellow”
+swim()
+quack()
Fish
-sizeInFt : Int
-canEat : Boolean
-swim()
Zebra
+is_wild : Boolean
+run()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publisher
publication date
number of pages
language
abstract class
reading order
1..*
wrote
1..*
Author
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biography: String
attributes
enumeration data type
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Active
Frozen
Closed
«use»
multiplicity
generalization
«entity» Book Item
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tag: RFID [0..1] {id}
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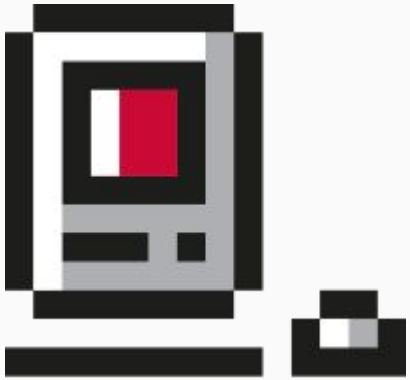
stereotyped class
0..12
borrowed
0..3
reserved
«entity» Account
number {id}
history: History[0..*]
opened: Date
state: AccountState
account
accounts
*
*
*
1
aggregation
association
records
Library
name
address
Patron
name
address
«use»
composition
1
Catalog
«interface» Search
«interface» Manage
«use»
«use»
Librarian
name
address
position
interface realization
usage dependency

Bake a Cake

Bake a Cake

- Using our FigJam board, pick a spot and a voice channel and draw out how to bake a cake. If you have time, draw a UML diagram.



FigJam

Conclusion

Questions?

- Find ACM on:
  - CS GroupMe
  - GitHub
  - LinkedIn
  - Instagram
  - Discord
  - Calendar
- Consider becoming a member!