

# CSC217 Lab 08

## LinkedAbstractList

**Linked List data structures be like:**



# Lab Overview

- Reminders and Deadlines
- Activities
  - Create custom generic LinkedAbstractList util class
  - Create CourseRoll
  - Integrated into Course and Related Classes
  - Update Schedule and Student
  - Update RegistrationManager
  - Test! Deploy!
- Lab Wrap-Up

## LinkedAbstractList Reminders

### Why LinkedAbstractList?

- We're extending AbstractList and not the more correct AbstractSequentialList (which requires iterators)
- LinkedAbstractList allows for a later class to be called LinkedList (that will extend AbstractSequentialList and use iterators!)

### Testing LinkedAbstractList

- Test empty, front, middle, and back as appropriate for all methods
- You can reuse many of the ArrayList Tests!

# Wrap-Up

## General Wrap-Up

- Deadline Reminder
- Exchange contact information with your partner
- Make a plan for finishing up the lab

## Participation Outside of Lab (Guess which the teaching staff prefer?)

- If you pair program/design, **note that in the commit comments so everyone gets credit!**
- If you split the work, at least one contribution by each partner

REMINDER: We are expecting a significant contribution from all team members outside of lab!

- If you pair program/design, you **MUST** note it in your commit messages or there will be deductions
- Students who don't allow their partners to contribute will receive deductions
- Students who don't contribute will receive deductions

# Record Tasks & Owners

Tasks only get done when someone owns them!

Identify the tasks required to complete Lab 8

- Edit README.md to list the tasks required to complete Lab 8 (at top of README - should come before Lab 7 tasks)
- Add an owner to each task
- Add a deadline to each task

Deadlines should be at least 48 hours before the lab deadline so team members can help out and finish the lab if a team member runs into issues.

Notify team early if you run into problems with your tasks!