CSC 217 Lab 07

ArrayLists

Lab Overview

- Reminders and Deadlines
- Activities
  - Create custom generic ArrayList util class
  - Create Schedule class
  - Integrate Schedule in Student
  - Test! Deploy!
- Lab Wrap-Up

Review: What is an ArrayList?

Terminology:

- Stores **elements** in a **sequential** manner via an **array**

Rules:

- Elements always start at 0
- No gaps!
- Insert *between* is allowed

ArrayList Reminders

You cannot construct an array of a generic type directly!

- Slide "Constructing Generic Objects" of Generic ArrayList lecture will help you.

Testing ArrayList

- Test empty, front, middle, and back as appropriate for all methods

Wrap-Up

General Wrap-Up

- Deadline Reminder - Lab 7
- 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 7

- Edit README.md to list the tasks required to complete Lab 7 (at top of README - should come before Lab 6 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!