CSC 217 Lab 03

Collections

Lab Overview

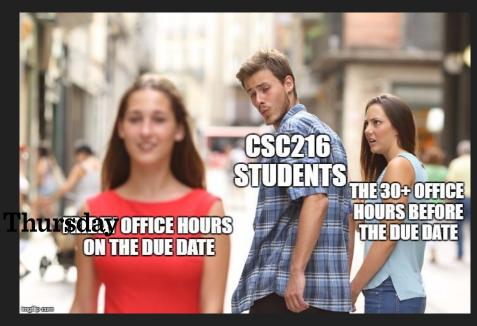
- Reminders
- Libraries
- Testing a Library
- Integrating the Library

Reminders

- Deadlines
 - Lab 3 Due Week of September 20th
 - o GP3 Due Thursday, September 16th at 11:45pm
 - Late Deadline Until September 18th at 11:45pm
- Reminders
 - Review grades and submit regrade within a week of the grade's return
 - Check Jenkins console output!!!!!
 - Javadoc
 - Generate HTML API pages from your Javadoc in the doc directory
 - Check the doc/ folder to ensure ALL files were created
 - Check NCSU GitHub to ensure that ALL files were pushed to the remote!
 - Check Piazza "Javadoc 101" post for main points don't forget @throws for any exceptions thrown by the method/constructor
 - Out-of-lab
 - If you pair program, you MUST note it in the commit message or there will be deductions
 - Students who don't let their partner contribute will receive deductions
 - Teams that don't update their README.md will receive deductions

Reminders

• Do NOT wait till the last minute to come to office hours!!!



Markdown 101

Format

Italics

Bold

* Bullet Point

Heading 1

Heading 2

Heading 3

Style

Italics

Bold

Bullet Point

Heading 1
Heading 2
Heading 3

Markdown 101 - Example

CSC 216-212 Team #10

Lab 1

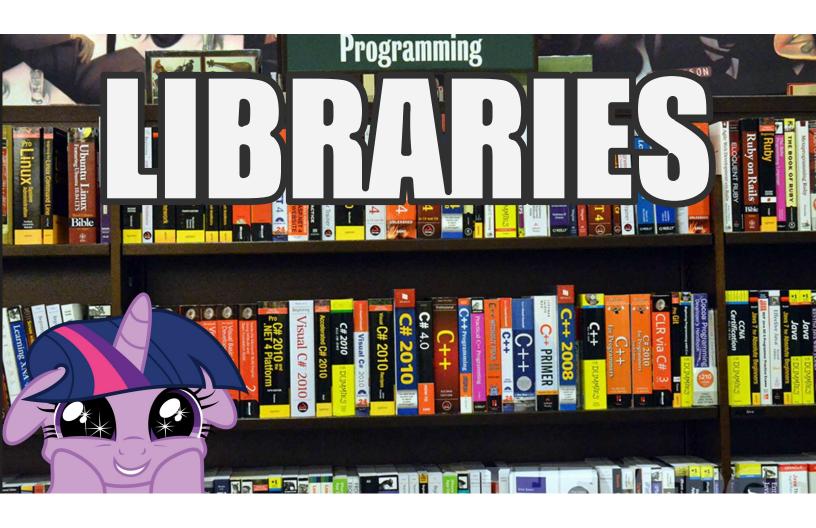
- Implement Student: Ammar Abbas, Due: Sunday 26th January, Status: Complete
- Test Student: Ammar Abbas, Due: Sunday 27th January, Status: Pending

```
# CSC 216-212 Team #10

## Lab 1

* **Implement Student:** Ammar Abbas, **Due:** Sunday 26th January, **Status:** Complete

* **Test Student:** Ammar Abbas, **Due:** Sunday 27th January, **Status:** Pending
```



CSC217Collections Library

Student

Library contains SortedList class

- StudentRecordIO
- StudentDirectory

Student must implement Comparable



⊕ StudentRecordIO

Lab Overview

Lab activities are in Moodle

- Partner 1 & 2. Pull the latest from the repo so that you're starting from a common set of code
- Write TEST code for the library...
- ... while pair programming!
- Integrate the library...
- ... while pair programming!
- If you have any technology questions, now is the time to troubleshoot!

Writing Good List Tests

Test each scenario:

- empty list
- front of the list
- middle of the list
- end of the list

TODO in test skeleton to provide guidance on steps

After doing an action (i.e., add(), remove(), etc.), you should check

- The size of the list
- The element you modified
- All other elements in the list
- The return value from the method

Checking the size and/or a single element is NOT enough!

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, 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, you **MUST** note it in your commit messages or there will be deductions
- Student who don't allow their partners to contribute will also 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 3

- Edit README.md to list the tasks required to complete Lab 3 (at top of README - should come before Lab 2 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! Communication is key!