Final Exam

READ ALL OF THIS VERY CAREFULLY!

The educational value of having a final exam is to get students to review all the material that was learned over the course of the semester; the material covered during the course is important for you to know for your career, which is why review is so important. Assuming you studied properly, that goal has already been achieved by the time you sit down to take the exam. This is why I didn't give you details about the final ahead of time - it would've undermined the drive to know all the material cold, which would've been bad for you in the long run.

In most years, the final exam would test your mastery of <u>all</u> of the material. This year, however, there was no good way to do that while insuring everyone has fair access to the same info and no one communicated with anyone else. Therefore, this final exam is open everything - you may use any resources you want <u>except for</u> communicating with, or getting help from, any other person.

The exam consists of a coding challenge.

- **Below are a number of java files. Your assignment / test is to implement the DRF algorithm inside the `DominantResourceFariness.java` file.**
- You should not modify any of the other java files, and you need not push the other files to your gitHub repo; when grading, I will be using <u>my</u> versions of all the files besides `DominantResourceFariness.java`
- You may not modify the method signatures of the existing public methods in DominantResourceFariness.java, but you are free to create as many other methods as you want
- **You must push your solution to your YC CS github by the end of the final exam + 5 minutes, i.e. by 11:50 AM, to the following location in your repo:** `com3800/finalexam/src/main/java/edu/yu/cs/com3800/finalExam/DominantResourc`
- **Each student must do all the work on his own. All submissions will be uploaded to MOSS to combat any cheating/collaboration.**

- **This is the first time we are doing a coding challenge as a final. So, if something goes horribly wrong, it will be curved accordingly. Just stay cool and do your best.**
- Please note that even if for some reason Canvas has trouble displaying the text of the java files below (as it was having trouble for me), once you click on the link below you can click the "download" link in the top right corner of Canvas's preview to download the file.
- **I will not answer any substantive/content questions during the final, but if something has gone horribly wrong technically, e.g. with Canvas, you can reach me on my cell - 201-204-9728**

gone horribly wrong technically, e.g. with Canvas, you can reach me on my cell - 201-394-9738

Wishing you much *hatslacha*!!

[DominantResourceFairness.java](https://yu.instructure.com/courses/50255/files/2159204/download?download_frd=1) ↓ (https://yu.instructure.com/courses/50255/files/2159204/download?download_frd=1)

[DRFDemo.java](https://yu.instructure.com/courses/50255/files/2163288/download?download_frd=1) ↓ (https://yu.instructure.com/courses/50255/files/2163288/download?download_frd=1)

[Resource.java](https://yu.instructure.com/courses/50255/files/2159206/download?download_frd=1) ↓ (https://yu.instructure.com/courses/50255/files/2159206/download?download_frd=1)

[SystemResource.java](https://yu.instructure.com/courses/50255/files/2159207/download?download_frd=1) ↓ (https://yu.instructure.com/courses/50255/files/2159207/download?download_frd=1)

[User.java](https://yu.instructure.com/courses/50255/files/2159208/download?download_frd=1) ↓ (https://yu.instructure.com/courses/50255/files/2159208/download?download_frd=1)