

University of Rajshahi
Department of Computer Science and Engineering
Evening Masters, 2nd Semester, Lab Exam – 2020
Course: CSE L263 (Software Project Planning and Management Lab)

Download the template project from the [github.com](https://github.com/omarfaruqe/CSEL263Exam)

If you have ssh configured

```
git clone git@github.com:omarfaruqe/CSEL263Exam.git
```

If you don't have ssh configured, use http instead

```
git clone https://github.com/omarfaruqe/CSEL263Exam.git
```

Data File name

students.txt

File Contents (Initial Stage)

Student1, Student2, Student3, Student4

Data file and java file should be in the same location.

Task #0 (Initial Stage as in question. Check the output whether it matches with the output given here. If your output doesn't match, please correct your program so that it produce exactly the same output given here.)

Run #1 \$java StudentList a

Loading data ...

Student1

Student2

Student3

Student4

Data Loaded.

Run #2 \$java StudentList r

Loading data ...

Student3

Data Loaded.

Run #3 \$java StudentList r

Loading data ...

Student1

Data Loaded.

Run #4 \$java StudentList c

Loading data ...

2 word(s) found

Data Loaded.

Run #5 \$java StudentList ?Student1

Loading data ...

We found it!

Data Loaded.

Run #6 \$java StudentList +Another

Loading data ...

Data Loaded.

File Contents (After running)

Student1, Student2, Student3,

Student4 ,Another

List last updated on 2019-07-25

2:10:58 PM

You should create git branch for every step with the name of the step, work on that particular step, commit the code with appropriate commit message and finally merge your branch to the master. For better understanding, write the commit message same as the task on each steps. And check every time you change something, you didn't break anything by going through Run #1 to Run #6 and it matches the output.

Task#1. Update code style for better consistency.

Task#2. Application now terminates early if the number of arguments passed into it is wrong, fix it.

Task#3. Makes improvements to variable names

Task#4. Refactors duplicate file read and write logic into methods

Task#5. Replaces string literals with constants, storing those constants in a new class called Constants.java

Task#6. Remove Temporary variables

Task#7. Eliminates the 'done' control-flow variable. Adds better response for search operation.

Task#8. Simplifies the logic behind the count operation

Task#9. Adds handling for case when user enters invalid arguments

Task#10. Add more comments and makes more naming improvements.

Add yourself to respective trello board according to the roll number I have assigned to each team (See team.txt file to find your team and team members).

Add (by the leader) all the tasks to your trello board (backlog) and assign them to the team member as follows

Task List	Team member
Task#1	1
Task#2	2
Task#3	3
Task#4	1
Task#5	2
Task#6	3
Task#7	1
Task#8	2
Task#9	3
Task#10	1

Complete the task and change the trello task's status accordingly