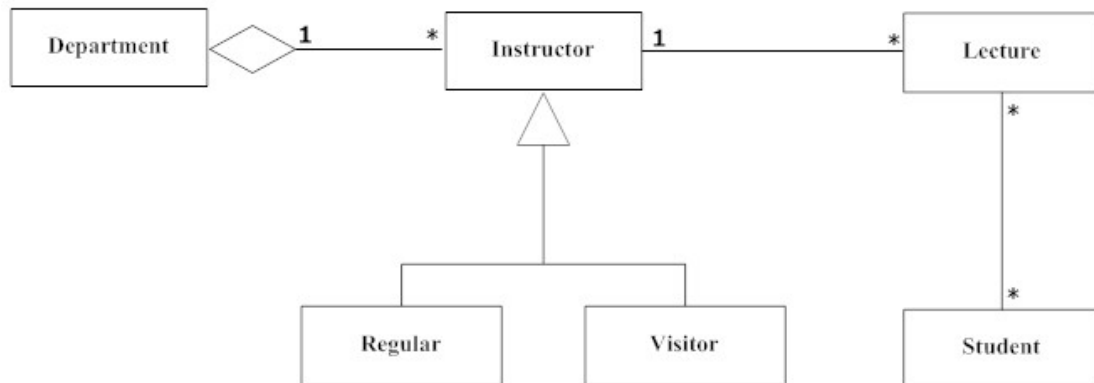


Homework 1

Due 12.03.2017



Complete the given design and code to fulfill the following requirements:

1. find methods such as "is there a lecture named Java?"
2. count methods such as "how many departments are there?"

Improve the given design and write code to answer the following queries:

3. what are the lectures given by a department?
4. does this student take lecture from that department?
5. how many students in total takes lectures from a department?
6. how many students in total does an instructor have?
7. how many hourly instructors does a department have?

Add the following attributes or classes to the given design and code:

8. exam, exam grade, lecture grade (think about how lecture grade is calculated)

Add Swing GUI for better user experience:

9. add, remove, query operations should be executed using menu items
10. overall GUI design is left to the student

- Please submit your homework through CMS by exporting your Java Project.

- Please export your Java Project as the given format with your assigned group ID: CENG431_HW1_G???.zip. (Your group IDs will be announced on CMS).