

SEN 232 – Database Systems II

Due: May 14th by 5pm both In UBIS system and a Hard copy on my table

Note: You can work in the same group as your project's in the homework or do it individually.

Make sure you put the name (names if a group two) on the cover sheet and which of the 3 (see below) you are working on.

You will work on one of the following relationships.

1. Inheritance. Class A inherits from class B.
2. A class A has a reference to another class B where class B type has no corresponding type in the Relational Database Management System (RDMS). For example, a Car class has a reference to an Engine class in it.
3. A class A has a reference to a list of other objects. For example a Student class has a reference to a list of Courses.

Get the ASCII code of the initial of your first name (summation of the two if you are working in a group of two) and mod it by 3. If you get 0 (zero) work on (1) above , 1 on (2), and 2 on (3). Your work should include the following:

- Show your classes in code in Java.
- Show your table(s) for the relationship you are working on. For example how would you save the data of the Car class (with an Engine in it) in the RDMS?
- Show your MySQL or MSSQL queries that saves data into the table(s).
- Show your MySQL or MSSQL queries that constructs objects that contain other objects. Show your code here as well that creates objects from table(s).

Deliverables: A pdf file with your answers.