**Database and file Management Systems** (CIS 2109)

**Lab 8**

**(1) Reference Chapters 2, 3 and 4 in "Modern Database Management"**

**Part 01**

Create the Relational Schema for the following EER diagram. Notice that you need to make a clear notation that includes: name of Relation, Attributes, Primary and Foreign keys, Nullable and Non-nullable attributes. Do not use Oracle sql developer!

**PQ_3_44_ERModel**

**Deliverables:**

Upload on blackboard one Word document report including the relations that you believe are correct.

**Part 02**

In this part we will allow Oracle Data Modeler to create the relational schema. To do that, use the solution that you have for lab 06 and for each Part generate the Relational schema following the instructions here:

<https://docs.oracle.com/cd/E15276_01/doc.20/e13677/tut_data_modeling.htm#insertedID2>

1. How does each of the models compare to the ones you created?

**Deliverables:**

In your answer you need to compare the relational schema that you would generate with the relational schema that is automatically created by Oracle. To do that compare:

1. Number of relations
2. The attributes in each relation
3. Other domain constrains (such as null/not null)
4. Primary and foreign keys
5. Discriminating attributes in case of supertypes/subtypes