

Consider the ER diagram below, which shows a simplified schema of the examination period at UWE. Extract from the ER diagram the requirements and constraints that produced this schema. Try to be as precise as possible in your requirements and constraints specification.

List of Entities :

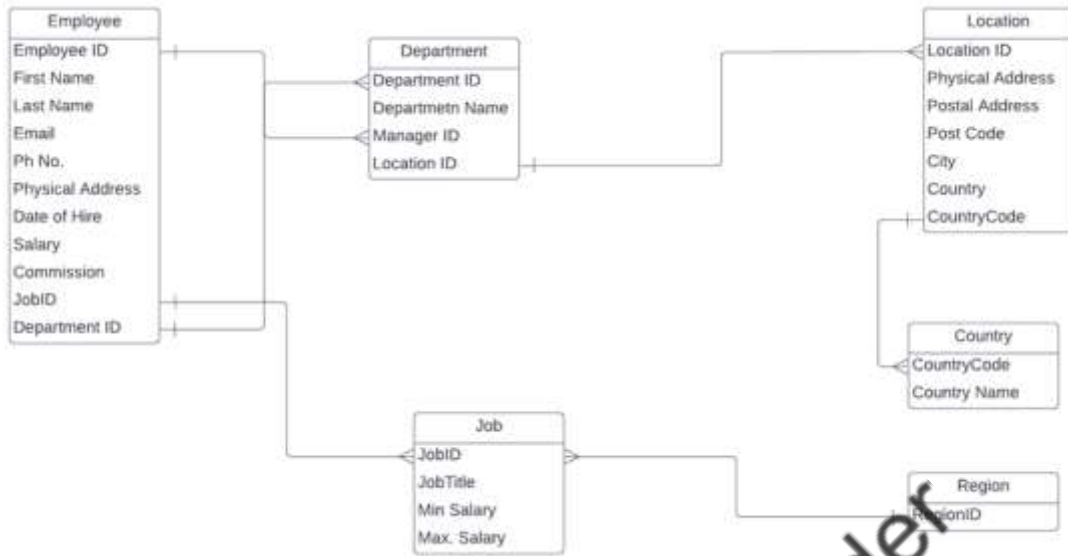
1. Invigilator entity is used to store attributes of an invigilator such as Invigilator\_ID, Name, Speciality and Department.
2. Exam entity is used to store attributes such as Exam\_No, Date, Start\_Time and Duration which can be used to represent a particular examination.
3. Course entity is used to define attributes of a university course such as Course\_Code, Title and Description.
4. Room entity is used to define attributes of the Room where the examination will be held. It represents attributes such as Room\_no, Capacity and Availability.
5. Student entity is used to define attributes of student who would be taking up the examination. It includes attributes such as Student\_ID, Name and DoB.

Relationship between Entities:

1. From the ER diagram, let's consider Exam as the Starting point entity. Every exam gets an invigilator. An invigilator is assigned to every exam is assigned using this INVIGILATES relationship.
2. EXAM entity and ROOM entity are connected to represent the EXAM and location of EXAM.
3. EXAM entity and COURSE entity are connected to represent the ASSESSES of EXAM and COURSE of the examination.
4. ROOM entity and STUDENT entity are connected to represent the Room\_No where each student has to go for taking up that particular examination.

Primary Key of Each Entity:

1. INVIGILATOR : Invigilator\_ID
2. EXAM : Exam\_No
3. COURSE : Course\_Code
4. ROOM : Room\_No
5. STUDENT : Student\_ID



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