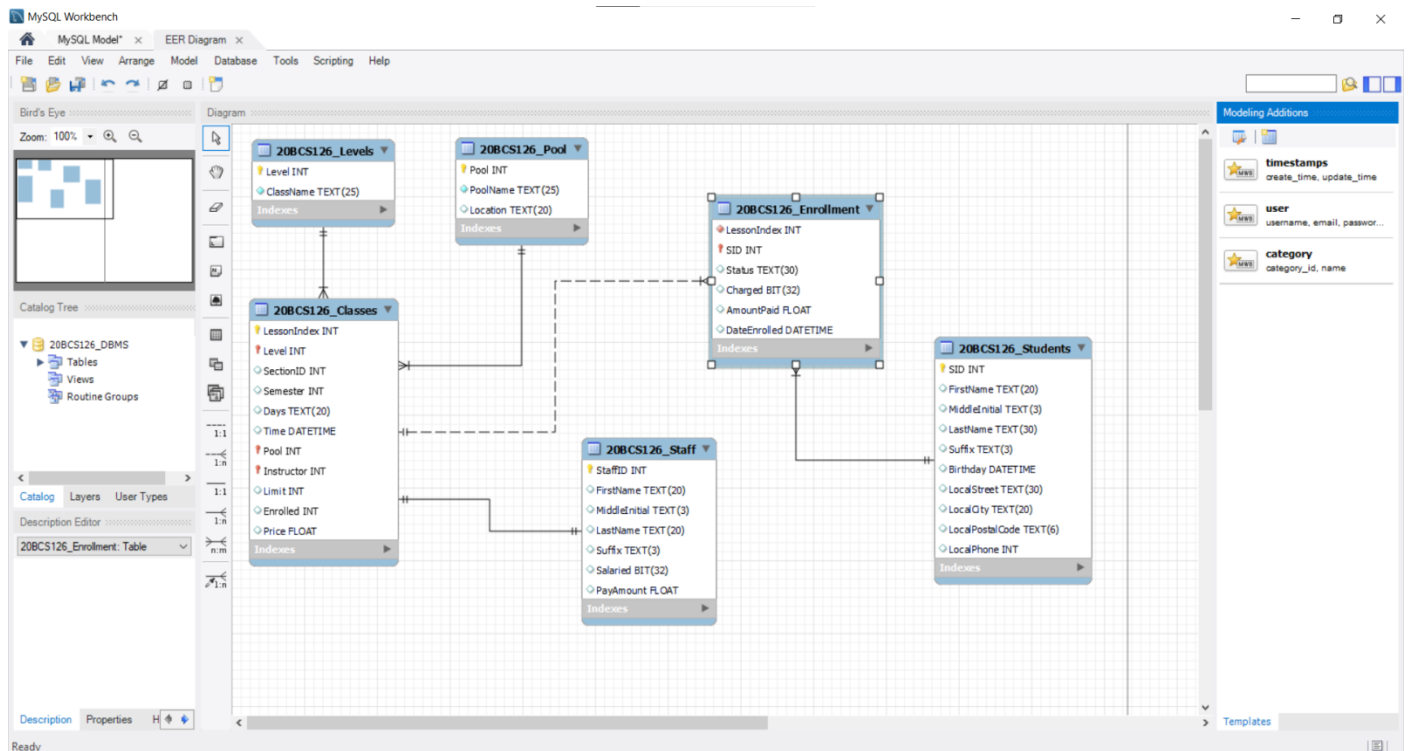# REPORT

ERD-Diagram

In Level Table there are 2 attributes, Level which is the Primary Key of Level Table and ClassName attribute.

In Classes Table there is a primary key LessonIndex and attributes are Level which is a foreign key to Level Table, SectionID, Semester, Limit, Enrolled are integer attribute, Days is a text attribute, Time is a Datetime attribute and Pool is the Foreign key to Pool Table.

In Pool Table there is a primary key Pool, a text attribute PoolName which can not be null and a Location attribute of text 20.

In Staff Table there is a primary key StaffID, FirstName, LastName, MiddleInitial, Suffix are text attribute and Salaried is bit attribute and PayAmount is a Float attribute.

Table Enrollment is a weak Entity which has SID as its Primary key (SID is a foreign key to Student table), LessonIndex is a foreign key to Classes table, status is text attribute, Charged is bit attribute, DateEnrolled is Datetime attribute and AmountPaid is float attribute.

In Student table SID is the primary key, FirstName, MiddleInitial, LastName, Suffix, LocalStreet, LocalCity and LocalPostalCode is text attribute. And Bithday is Dattime attribute and LocalPhone is a int attribute.

Degree and Cardinality

Levels Table has one degree and one-to-many relationship with Classes Table.

Pool Table has one degree and one-to-many relationship with Classes Table.

Staff Table has one degree and one-to-many relationship with Classes Table.

Classes Table has 4 degree.

Enrollment Table has 2 degree

Students Table one degree and one-to-many relationship with Enrollment Classes.

Weak Entity

Enrollment is Weak entity.

Converting Weak Entity to Strong Entity: