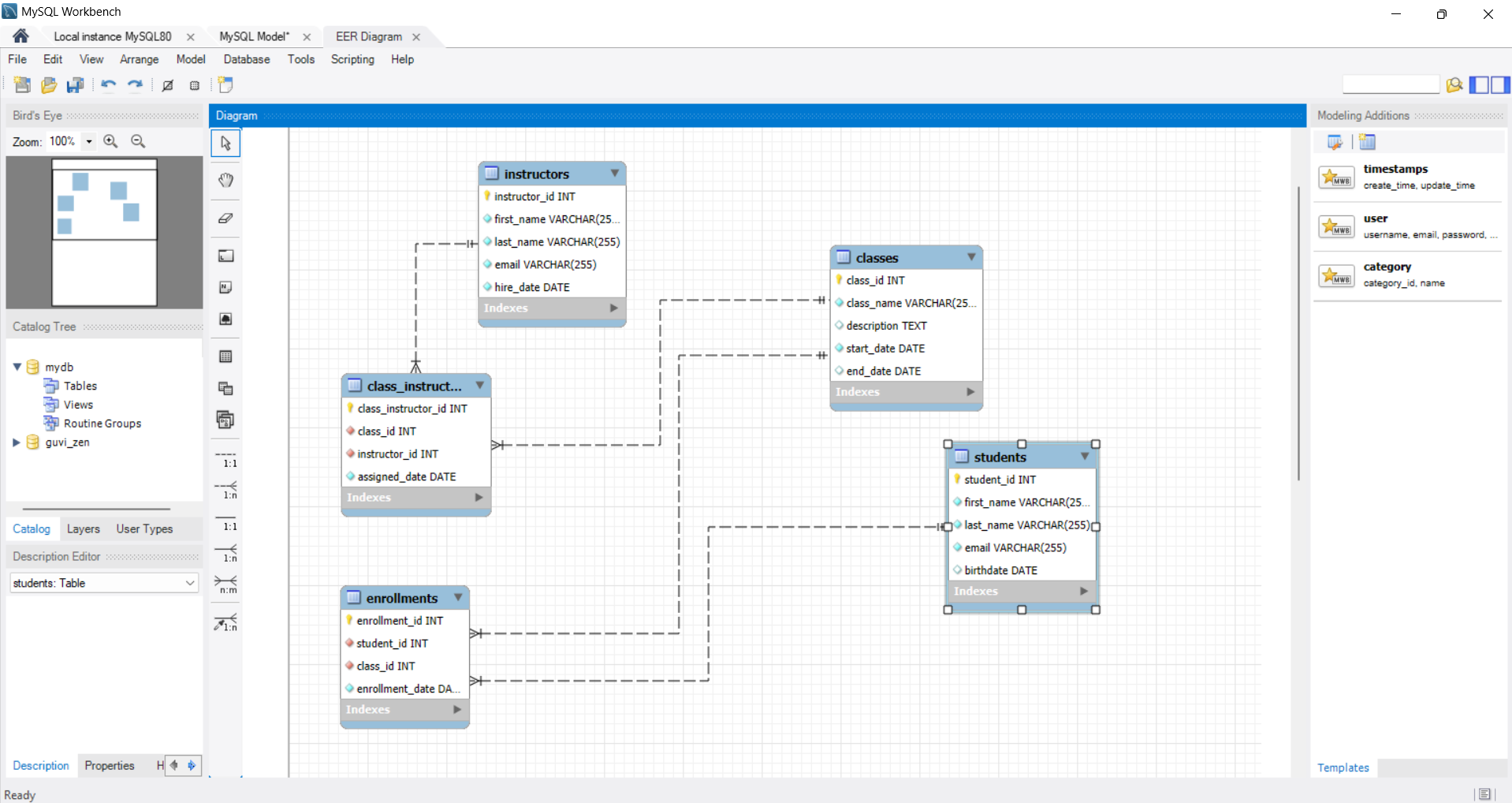
Design Database model for Guvi-Zen



**Step by step Instructions**

Step 1: create database guvi\_zen\_class;

Step 2: Create Tables

**1.Classes Table**

CREATE TABLE classes (

class\_id INT AUTO\_INCREMENT PRIMARY KEY,

class\_name VARCHAR(255) NOT NULL,

description TEXT,

start\_date DATE NOT NULL,

end\_date DATE

);

**2.Students Table**

CREATE TABLE students (

student\_id INT AUTO\_INCREMENT PRIMARY KEY,

first\_name VARCHAR(255) NOT NULL,

last\_name VARCHAR(255) NOT NULL,

email VARCHAR(255) NOT NULL UNIQUE,

birthdate DATE

);

**3.Enrollments Table**

CREATE TABLE enrollments (

enrollment\_id INT AUTO\_INCREMENT PRIMARY KEY,

student\_id INT NOT NULL,

class\_id INT NOT NULL,

enrollment\_date DATE NOT NULL,

FOREIGN KEY (student\_id) REFERENCES students(student\_id),

FOREIGN KEY (class\_id) REFERENCES classes(class\_id)

);

**4.Instructors Table**

CREATE TABLE instructors (

instructor\_id INT AUTO\_INCREMENT PRIMARY KEY,

first\_name VARCHAR(255) NOT NULL,

last\_name VARCHAR(255) NOT NULL,

email VARCHAR(255) NOT NULL UNIQUE,

hire\_date DATE NOT NULL

);

**5.Class\_Instructors Table**

CREATE TABLE class\_instructors (

class\_instructor\_id INT AUTO\_INCREMENT PRIMARY KEY,

class\_id INT NOT NULL,

instructor\_id INT NOT NULL,

assigned\_date DATE NOT NULL,

FOREIGN KEY (class\_id) REFERENCES classes(class\_id),

FOREIGN KEY (instructor\_id) REFERENCES instructors(instructor\_id)

);

Step 3: Verify the Schema

**SHOW TABLES;**