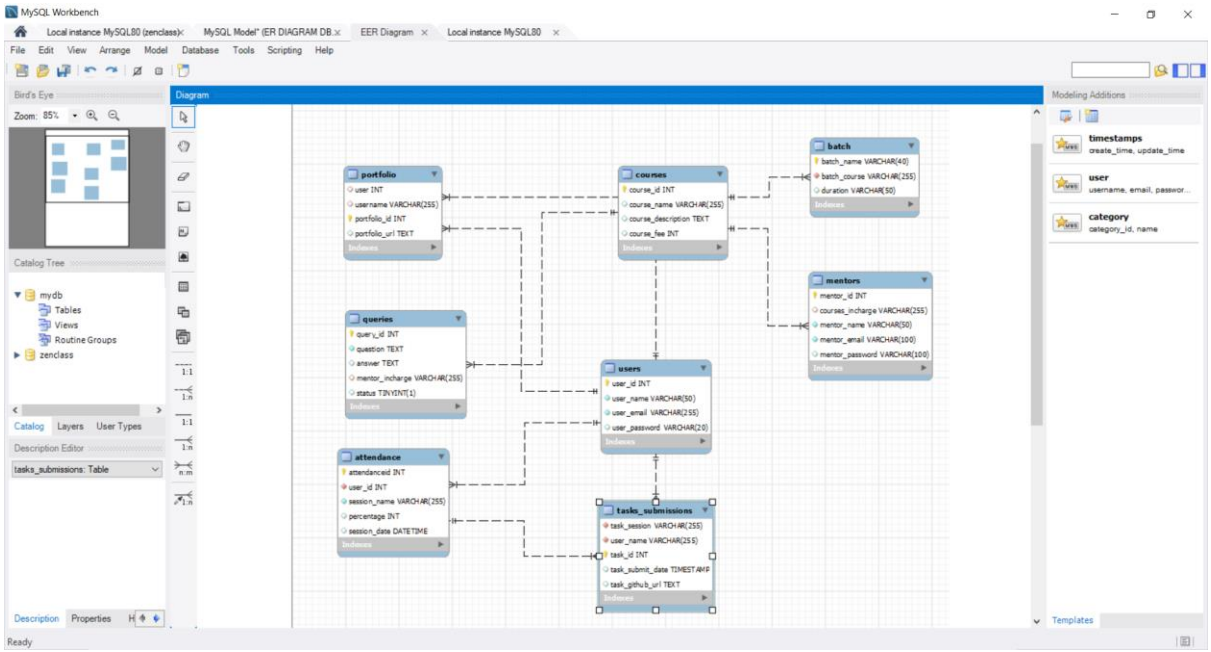
# DB DESIGN FOR ZEN CLASS:

## EER DIAGRAM:




## SQLCODE:

```
create database zenclass;

use zenclass;


create table users(
        user_id int auto_increment primary key,
```

```
    user_name varchar(50) not null,
    user_email varchar(255) not null unique,
    user_password varchar(20)
);

insert into users(user_name,user_email) values
("mani","mani123@gmail.com"),
("sunil","sunil456@gmail.com"),
("kamal","kamal789@gmail.com");

select * from users;

create table courses(
        course_id int auto_increment primary key,
    course_name varchar(255) unique,
    course_description text,
    course_fee int
);

create table mentors(
```

```
    mentor_id int auto_increment primary key,
  courses_incharge varchar(255) ,
  mentor_name varchar(50) not null,
  mentor_email varchar(100) not null unique,
  mentor_password varchar(100),
  foreign key(courses_incharge) references
courses(course_name)
);

create table batch(
    batch_name varchar(40) primary key,
  batch_course varchar(255) not null,
  foreign key(batch_course) references
courses(course_name),
  duration varchar(50)
);

create table attendance(
    attendanceid int auto_increment primary key,
  user_id int not null,
```

```
    session_name varchar(255) not null,
    percentage int default 0,
    session_date datetime default now(),
    foreign key(user_id) references users(user_id)
);

CREATE INDEX idx_session_name ON attendance (session_name);
CREATE INDEX idx_user_name ON users (user_name);



insert into attendance (user_id,session_name,percentage) values
("1","Mern",70),
("2","Python",65),
("3","PHP",70);

select * from attendance;
```

```
create table tasks_submissions(
        task_session varchar(255) not null,
    user_name varchar(255) not null,
        task_id int auto_increment primary key ,
    task_submit_date TIMESTAMP DEFAULT
CURRENT_TIMESTAMP,
    task_github_url text,
    foreign key (task_session) references
attendance(session_name),
    foreign key (user_name) references users(user_name)
);


create table queries(
        query_id int auto_increment primary key,
    question text not null,
    answer text,
    mentor_incharge varchar(255),
    status boolean default false,
    foreign key (mentor_incharge) references
courses(course_name)
);
```

```
create table portfolio(
        user int,
    username varchar(255),
        portfolio_id int auto_increment primary key,
    portfolio_url text,
    foreign key (user) references users(user_id),
    foreign key (username) references users(user_name)
);
```