ابتدا هر یک از ERD های خواسته شده را رسم کنید. سپس آن‌ها را به دیتابیس منتقل کنید(به ازی هر کدام دیتابیس ایجاد کنید و جداول و رابطه‌های رسم شده در ERD را در دیتابیس ایجاد کنید)

به ازای هر جدول داده‌های فرضی وارد کنید. (با توجه به روابط موجود بین جداول باید اولویت هایی را هنگام ورود داده رعایت کنید)

برای رسم ERD از وبسایت https://app.diagrams.net استفاده کنید.

ERD1: University

Entities:
· **Student**: Each student has a unique student ID, name, and date of birth.
· **Course**: Each course has a unique course ID, title, and number of credits.
· **Student Registration**: Each student registration has a unique registration ID, along with the student ID, course ID, and registration date.
· **Instructor**: Each instructor has a unique instructor ID, name, and specialization.
· **Department**: Each department has a unique department ID and name.

Relations:
· Students can register for multiple courses, and each course can have multiple students registered. This means that students can sign up for multiple courses, and each course can have multiple students signing up.
· Each student registration is linked to one student and one course. This means that each student can have multiple registrations, and each course can have multiple registrations.
· Each course is associated with one instructor. This means that each course is taught by one instructor.
· Each department can offer multiple courses. This means that multiple courses can be associated with one department.
· Each instructor is associated with one department. This means that each instructor belongs to a specific department.

ERD2: Photography

Entities:

· **Photographer** : first name, last name, nationality, photography style (e.g portrait, landscape, …), year of birth, educational field

· **Camera** : brand, model, production year, number of shots

· **Organization** : name , location, year of establishment, field (art, news, photography, tourism, etc). Each department can be of the photography or news agencies or a site.

· **Award** : name, institute, price(in $), date

· **Photo** : title, location, capture date, file, subject

Relations:

· Each photographer has 1 camera.

· Each photographer works in one or more organizations and each organization has one or more photographers.

· Each photo is captured by one camera by one photographer for one organization.

· Each award is received by one photographer on a specified date for a specific photo.