

E-R Diagram Exercises 1

1. Draw an E-R diagram for a library schema. Use the following requirements.
 - Store book data (title, year, pages, ...).
 - Store author data (name, ...).
 - A book may have more than one author.
 - Store member data (name, phone numbers, ...).
 - Store rented books.
 - A member borrows a book on a date for a given amount of days.

2. Draw an E-R diagram for a university schema. Use the following requirements.
 - There are faculties and departments.
 - A faculty may have more than one department, but a department has one corresponding faculty.
 - Each department has courses.
 - Students enroll to courses.

3. Draw an E-R diagram for a hospital schema. Use the following requirements.
 - Hospital has several departments.
 - Each doctor works for a department.
 - Patients get appointments for departments.
 - An appointment can be associated with at most one department.