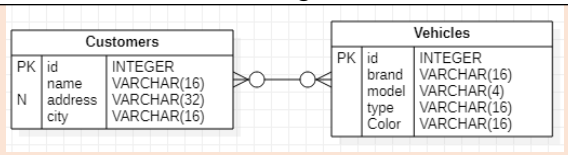
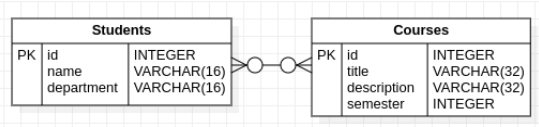
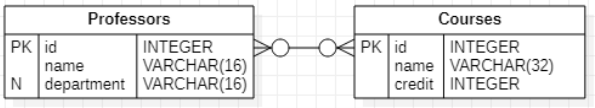
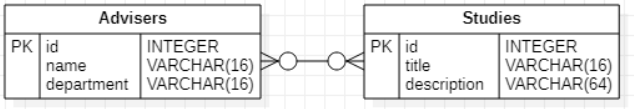
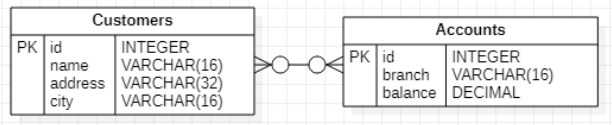
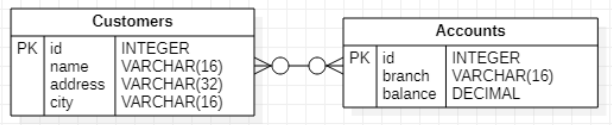
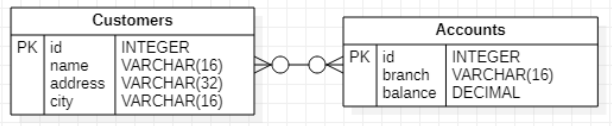
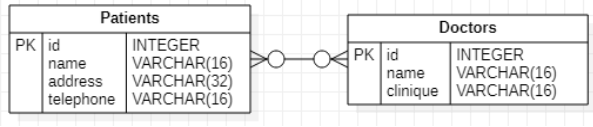
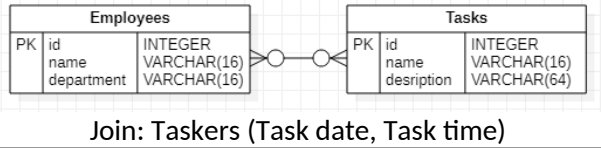
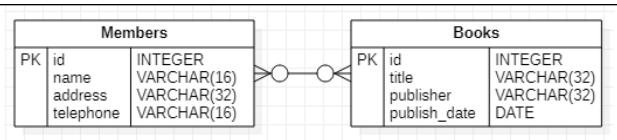
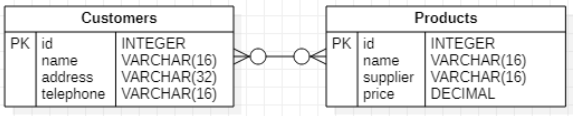
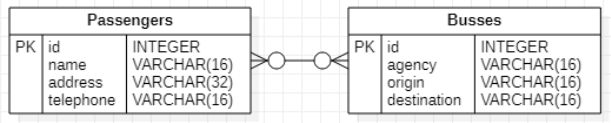
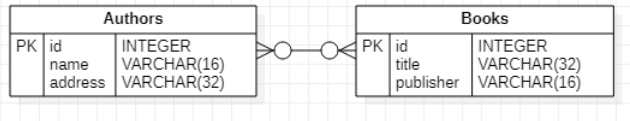
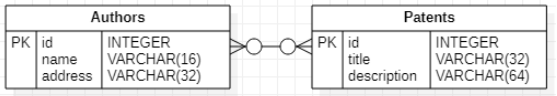
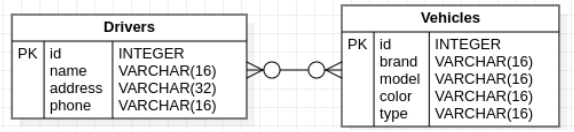
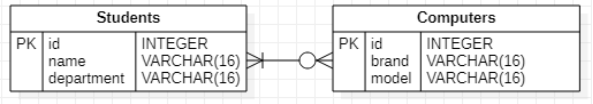
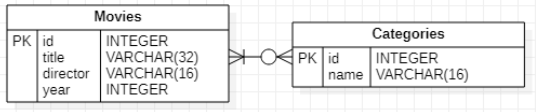
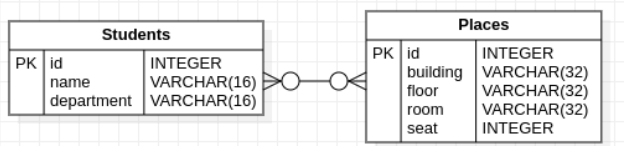
SWE212: DISTRIBUTED INFORMATION MANAGEMENT SYSTEMS (DIMS)

Project Topics 2026

You will work on the projects in groups of 4 or 5 student throughout the semester. Each group is supposed to pick a topic from the list below. The groups are expected to complete 4 different projects, and in class presentation dates are announced on GitHub. You can see the project details on "https://github.com/ozmen54/swe212-2026". The groups are allowed 10-minute for presentation in the class. Exemplary studies are carried out in the class so as to help your project work.

No	Project description	E-R Diagram
	THIS IS EXAMPLE PROJECT Car rental: In class example, Customers-Vehicles assignment Join: Rentals	 Join: Rentals (Rent date, Return date, Is returned)
1	**School management-1**: Students – Classes assignment Join: Enrollments	 Join: Enrollments (Class Date, Tuition, Attendance)
2	**School management-2**: Professors - Courses assignment Join: Teaches	 Join: Teaches (Student count, Start date, Ending date)
3	**School management-3**: Advisers - Studies assignment Join: Supervises	 Join: Supervises (Student, Performance)
4	**Banking management-1**: Customers - Accounts assignment Join: Depositors	 Join: Depositors (Date, Amount)
5	**Banking management-2**: Customers - Accounts assignment Join: Withdrawals	 Join: Withdrawals (Date, Amount), check amount not below zero!
6	**Banking management-3**: Customers - Accounts assignment Join: Loans	 Join: Loans (Date, Amount), check loan not above a limit!
7	**Medical management**: Patients - Doctors assignment Join: Appointments	 Join: Appointments (App. Date, App. Time)
8	**Task management**: Employee - Tasks assignment Join: Taskers	 Join: Taskers (Task date, Task time)

9	**Library management**: Members - Books assignment Join: Borrowers	 Join: Borrowers (Due date, Return date, Issue)
10	**Online shopping**: Customers - Products assignment Join: Orders	 Join: Orders (Date, City, Delivery status)
11	**Travel management**: Passengers - Buses assignment Join: Travels	 Join: Travels (Date, Time, Price, Seat)
12	**Publish management**: Authors-Books assignment Join: Publishes	 Join: Publishes (Date, Edition)
13	**Patent management**: Authors - Patents assignment Join: Certifications	 Join: Certifications (Issue date, Duration in year)
14	**Driver management**: Drivers-Vehicles assignment Join: Assignments	 Join: Assignments (Assigned Date, Return date)
15	**Computer checkout management**: Students – Computers Join: Reservations	 Join: Reservations (Date, Duration)
16	**Movie management**: Movies – Categories Join: Classifications	 Join: Classifications (Date)
17	**Library place management**: Students – places Join: Reservation	 Join: Reservation (Date, Duration)