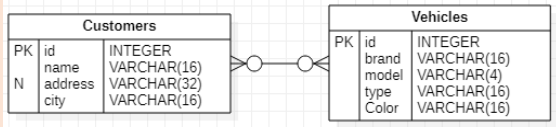
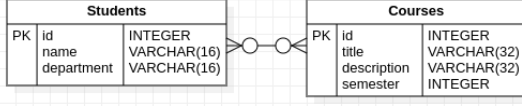
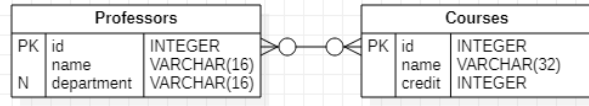
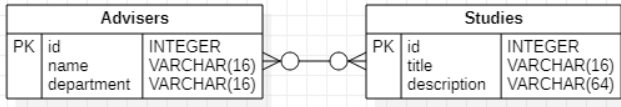
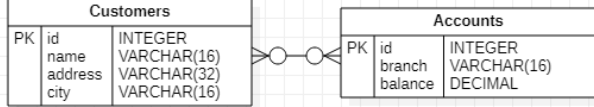
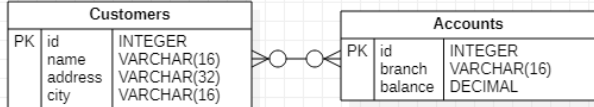
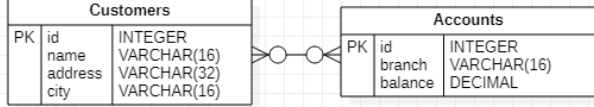
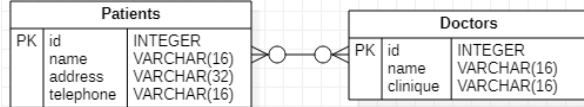


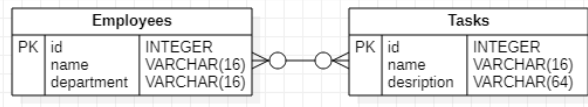
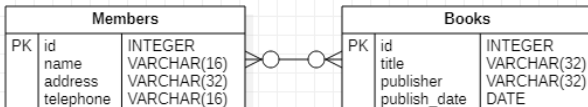
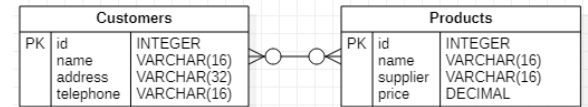
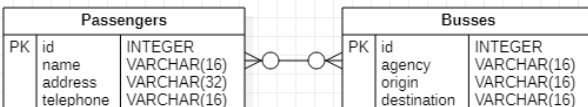
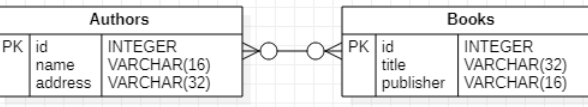
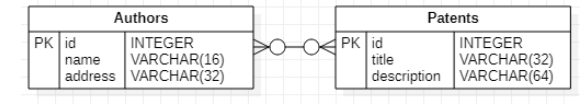
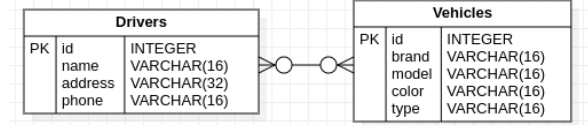
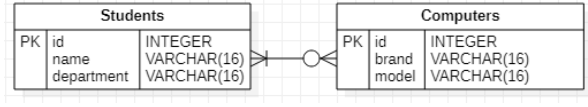
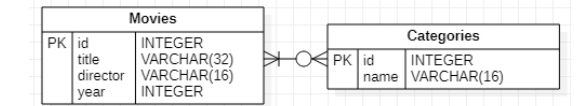
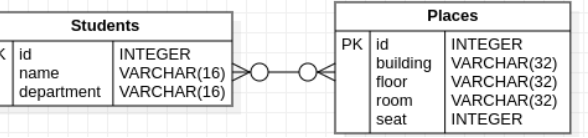
SWE523: ADVANCED DISTRIBUTED INFORMATION MANAGEMENT SYSTEMS (DIMS)

Project Studies 2024

You will work on the projects individually. Each student will choose a topic from the list given below and will develop a distributed information system on the same topic until the end of the semester. Project work will be evaluated 5 times during the semester, and evaluations will be made in the classroom after a 10-minute presentation.

We will make an exemplary project that will form the basis of your project together in the classroom, what is expected from you is to apply what you have learned on your project.

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

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