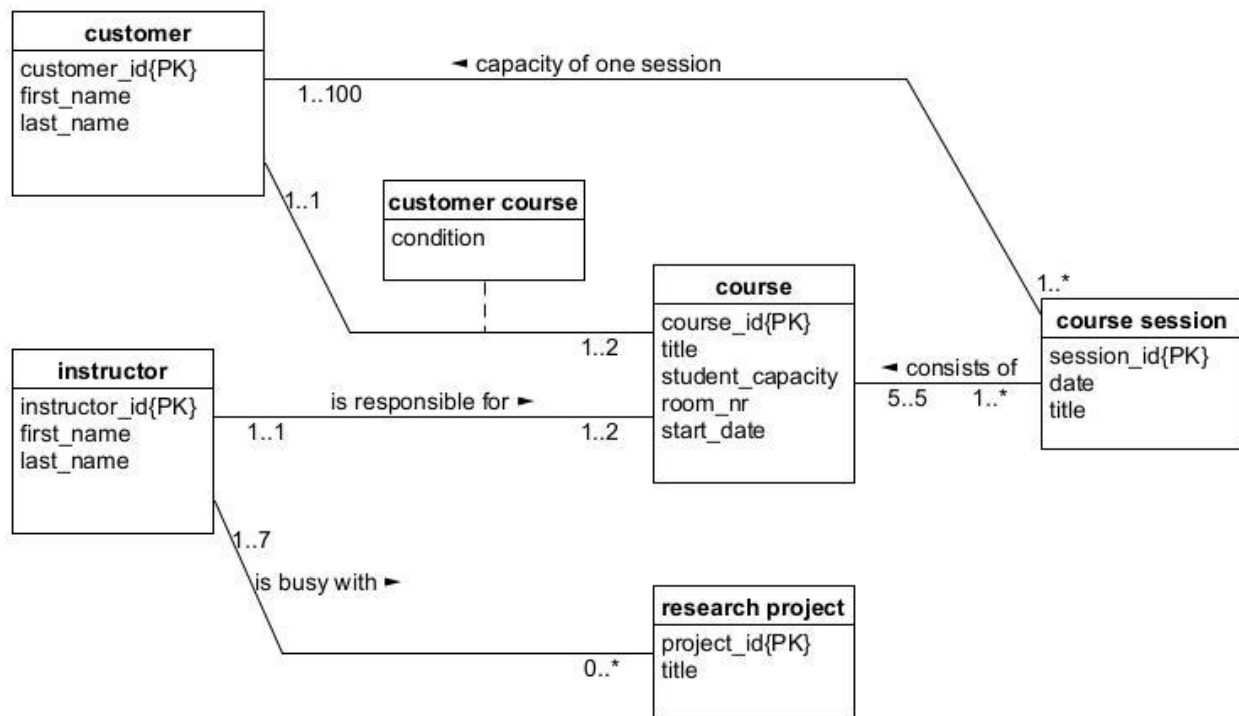


Exercise 1: Arranging of course.

Consulting company Bedre Kunnskap Konsulting, BKK, is arranging continuing education for people with technical competency. BKK has 12 instructors who can educate up to 100 customers per one course session. BKK offers 5 courses in technical field. Each course has 1 instructor responsible for it. Each instructor has capacity of up to 2 courses, or instructor can be busy with research project instead. Customer can take up to 2 courses per one course session.

Draw an ER-diagram. Translate then ER-modell to relational form.

Answer:



course session(session_id, date, title)

course(course_id, title, student_capacity, room_nr, start_date)

course_c_session(course_id*, session_id*)

instructor(instructor_id, first_name, last_name)

course_instr(course_id*, instructor_id*) -- instructor responsible for course

research project(project_id, title)

instr_res_pr(instructor_id*, project_id*) -- instructors busy with research project

customer(customer_id, first_name, last_name)

customer_course(customer_id*, course_id*, condition)

customer_c_session(session_id*, customer_id*)