**Entities:**

qualifications (qualification Id, qualification name, qualification date, experience in field)

employees (employee Id, first name, last name, employment date, end of employment date, city, country, experienceincompany(number of projects))

junior (junior Id, numberofprojects)

senior (senior Id, numberofprojects)

departments (department Id, department name)

projects (project Id, project name, begin date, end date)

category (category Id, category name, type of engineer required (n) , type, number of engineers needed (n))

clients (client Id, client name, country, city,address, phone number, zip code, numOfBranches client since Date ,)

**relations**:

salary ( employee Id, qualification Id, title, salary)

work in (employee Id, project Id , project begin date, project end date)

belongs to (employee Id, department Id, begin date, end date)

manages (employee Id, department Id, begin date, end date)

oversees (employee Id, project Id, begin date, end date)

order(orderID, client Id, project Id, project type, project category, date of order, order status, begin date, end date ,budgetOfProject)

**weak entities**:

reports (project Id, manager Id, project Id begin date, end date, report stage)

order status: Finished, In progress, Canceled, Disputed, Repo

report stages: