

-- B. Crump, A. Jarrell

Reduction to relational schema

Strong entities

Company(comp_id, street, city, state, zip_code, primary_sector, website)

Course(c_code, title, level, description, status, retail_price)

Job(job_code, type, pay_rate, pay_type, company, pos_code)

Job_Profile(pos_code, title, description, avg_pay)

Knowledge_Skill(ks_code, title, description, level)

Person(per_id, name, street, city, state, zip_code, email, gender)

Section(c_code, sec_no, semester, year, complete_date, offered_by, format, price)

Multi-value entities

Person_phone(per_id, phone_number)

Skills(pos_code, ks_code)

Company_specialty(comp_id, specialty)

Relationships

Offers(comp_id, c_code, sec_no, semester, year)

Sec_course(c_code, sec_no, semester, year)

Teaches(c_code, ks_code)

Takes(per_id, c_code, sec_no, semester, year)

Skills(pos_code, ks_code)

Provides(comp_id, job_code)

Has(job_code, per_id, start_date, end_date)

Experience(per_id, ks_code)