

lab 1 week2 database

University

Entities: Students, departments, Courses, sections, grades

Students (Entity set)

Attribute

- name
- student number (unique)
- social security number (unique)
- current address and phone number
- permanent address and phone number
- birth date
- sex
- class
- Major **department** (Entity, required)
- Minor **department** (Entity)
- program

Department (Entity set)

Attribute

- name (unique)
- department code (unique)
- office number
- office phone number
- college

Course (Entity set)

Attribute

- name
- description
- course number
- number of semester hours (unique)
- level
- offering **department** (Entity)

Section (Entity set)

Attribute

- instructor
- semester
- year
- **course** (Entity)
- section number (unique)

Grade Report (Entity set)

Attribute

- **student** (Entity)
- **section** (Entity)
- grade
- numeric grade



Mail order

Entities : Employees, Customers, Parts, Orders

Employees (Entity set)

Attribute

- employee number (unique)
- name (first and last)
- Zip code

Customers(Entity set)

Attribute

- customer number (unique)
- name(first and last)
- Zip code

Parts(Entity set)

Attribute

- part number(unique)
- name
- price
- quantity

Order(Entity sset)

Attribute

- **customer**
- **employee**
- order number(unique)
- **part** quantities
- receipt date
- ship date (expected and actual)

