

# Schema (logical design)

**Address** (Area name, City name, Block name, Street name)

**Nationality** (Nationality)

**Employee** (Employee id, Full Arabic name, Full English name, Nationality, National id, sex (M/F), Social status(S/M/D), Salary, Birth place, Date of birth, Religion, Health status, Number of family members, Phone, Telephone, Email, Area name, City name, Block name, Street name, Employment Date)

**Building** (Building code (one char), Building description)

**Floor** (Floor number (2Digits), Building code, Floor description)

**Room** (Room number, Floor number, Building code, Capacity (No. people))

**Department** (Department id, Department name, Room number, Floor number, Building code)

**Majors Department** (Majors department id, Majors department name, Room number, Floor number, Building code)

**Major** (Major id, Major name, Majors department id)

**Course** (Course id, Course name, Credit (No of hours), Course level(semester), Description, Majors department id)

**Pre-required courses** (Course id, Pre-required course id (course id))

**Teacher** (teacher id (Employment id), Teaching start year, Teaching start semester (1/2/3), Teaching start date, Teaching end date, Majors department id, Salary)

**Manager** (Manager id (Employment id), Managing start year, Managing start semester (1/2/3), Managing start date, Managing end date, Salary, Manager grade, Managed major's department id, Manager department id (accept one null))

**Security** (Security id (Employment id), Security start year, Security start semester (1/2/3), Security start date, Security end date, Salary, Department id)

**Secretary** (Secretary id (Employment id), Secretary start year, Secretary start semester (1/2/3), Secretary Start date, Secretary end date, Salary, Majors department id, Department id)

**Item** (Item id, Item name, Item description)

**Room items** (Item id, Room number, Floor number, Building code, Quantity)

**Study plan** (Plan number, Major id)

**Study plan courses** (plan number, Major id, Course id, Year, Semester (1/2/3))

**Student** (Student id, Full Arabic name, Full English name, Nationality, National id, sex (M/F), Social status(S/M/D), Guardian name, Guardian national id, Guardian relation, Birth place, Date of birth, Religion, Health status, Mother name, Mother job, Mother job description, Father job, Father job description, Parents status(S/M/D), Number of family members family university students ,Social affairs , Phone , Telephone , Emergency phone , Email , Tawjihi GPA(%) , Tawjihi field(S/L) , Area name City name ,Block name ,Street name ,Major id ,Balance )

**Academic Advice** (Teacher id, Year, Semester, Student id)

**Section** (Section number, Course id, Year, Semester(S/M/D), Teacher id)

**Enroll** (Student id, Course id, Section number, Year, Semester, Middle year grade (from 40), Final exam grade (from 60))

**Section Rooms** (Section number, Course id, Year, Semester, Day, Room number, Floor number, Building code, Start Time, End Time)