

Common Core of the Alumni Database for the Term Project (draft)

Table 1: Schema for “contact”

| Field Name | Data Type | Nullable | is PK? |
|--------------|--------------|----------|--------|
| id | varchar(20) | No | Yes |
| name | varchar(30) | No | |
| address | varchar(100) | Yes | |
| email | varchar(50) | No | |
| phone_mobile | varchar(16) | Yes | |
| phone_work | varchar(16) | Yes | |
| phone_home | varchar(16) | Yes | |

Table 2: Schema for “education”

| Field Name | Data Type | Nullable | is PK? |
|---------------|-----------------|----------|--------|
| id | varchar(20) | No | |
| degree | varchar(40) | No | |
| student_id | varchar(20) | Yes | |
| institute | varchar(50) | No | |
| department | varchar(50) | Yes | |
| start_date | date | Yes | |
| end_date | date | Yes | |
| concentration | varchar(100) | Yes | |
| obtained | unsigned int(1) | No | |

Table 3: Schema for “experience”

| Field Name | Data Type | Nullable | is PK? |
|--------------|--------------|----------|--------|
| id | varchar(20) | No | |
| organization | varchar(50) | No | |
| department | varchar(50) | Yes | |
| position | varchar(20) | Yes | |
| start_date | date | Yes | |
| end_date | date | Yes | |
| description | varchar(100) | Yes | |

Notes:

- The attribute “id” in each table corresponds to the account id that is assumed to exist for single sign-on authentication.
- A person may earn two different degrees with the same student_id.