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CS331  
Group 4  
Project 1.A

## Documentation of Assumptions

### UNIVERSITY/COLLEGE:

- Technically Colleges and Universities are different entities, but they are represented by one entity in this database.
- University IDs should be a unique 8 character string.

### DEPARTMENT

- Department ID should be at most a 10 character string unique to its university.

### MAJOR/MINOR

- Majors and minors must have a unique name. Thus they do not need a department to be in the primary key.
- Students cannot pursue two of the same major/minor/degree
- We are only interested in the majors and minors that students are currently pursuing.
- Students may have multiple declared majors/minors, but if their major is undeclared it will be automatically given the value "Liberal Arts" (this is what real colleges do).

### STUDENT

- Students must have a valid visa and an unexpired I20
- Student type is either graduate or undergraduate.

### JOB

- We do not need to record the information for jobs that students are not currently working
- Student can work a maximum of 20 hours a week
- Because students can work a maximum of 20 hours a week we assume that they can only work 1 part-time job.
- Students must work on campus, or have special permission from USCIS

### CITIZEN

- Students in this database must be international students, and they can have dual or multiple citizenship.

### COURSE

- Course IDs are at most a 10 character string unique to their university
- Students cannot take the same course in a semester, but they can repeat courses later. Thus the record of course taken must include semester.

### DIPLOMA

- Students could have attended a college previously without receiving a diploma.

### REGISTERED

- Undergraduates must be registered for a minimum of 12 credit classes.
- Graduates must be registered for a minimum of 9 credit classes.

