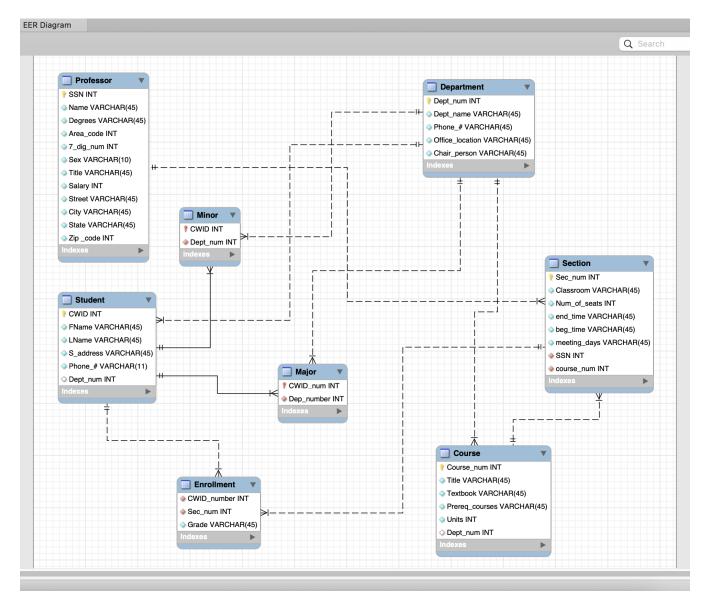
# CPSC 332 Database Project

Aidan Sunahara 1086 Parker Martel 5934 Sebastian Rodriguez 0070

Account - cs332t22

#### Models:

# ER model



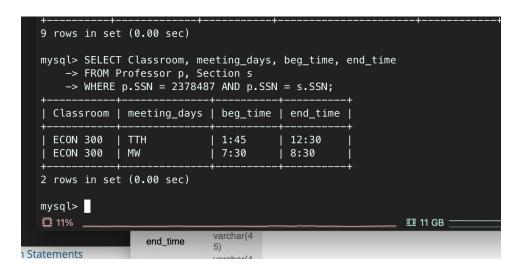
# Relational model

PROFESSOR  SSN Name Sex Title Salary Street City State Zip.code Mea.Code Zdig.num Regrees  DEPARTMENT  Dept_num Dept_name Phone_# Office_location Chair_person  COURSE  Dept_num Title Textbook Units Prereg_courses Course_num  SECTION  SECTION  SECTION  SEC_num Classroom Num.of_seats beg_time End_time meating_days SSN Course_num  STUDENT  CWID FName LName S_address Phone_# Dept_num  Minor  CWID Dept_num  Enrollment  CWID Sec_num Grade

#### **Queries:**

# **Professor Query 1**

SELECT Classroom, meeting\_days, beg\_time, end\_time FROM Professor p, Section s WHERE p.SSN = 2378487 AND p.SSN = s.SSN



# **Professor Query 2**

SELECT Grade, COUNT(Grade)

FROM Course c, Section s, Enrollment e WHERE c.Course\_num = s.course\_num AND s.Sec\_num = e.Sec\_num GROUP BY Grade

```
mysql> SELECT Grade, COUNT(Grade)
     -> FROM Course c, Section s, Enrollment e
    -> WHERE c.Course_num = s.course_num
    -> AND s.Sec_num = e.Sec_num
    -> GROUP BY Grade
     -> ;
  Grade | COUNT(Grade) |
                       4
  A+
                      1 |
                      2
  B+
                      2
  B-
  C
                      2
  C+
                       1
                      1
 8 rows in set (0.00 \text{ sec})
rmysql>
```

# Student Query 1

SELECT S.Sec\_num, S.Classroom, S.meeting\_days, S.beg\_time, Count(E.CWID\_number) FROM Section S , Enrollment E WHERE E.Sec\_num = S.Sec\_num AND S.course\_num=5893 GROUP BY S.Sec\_num

# Student Query 2

SELECT C.Title, E.Grade
FROM Enrollment E, Section S, Course C
WHERE E.Sec\_num= S.Sec\_num
AND C.Course\_num = S.course\_num
AND CWID\_number = 99362748

```
mysql> SELECT C.Title, E.Grade
   -> FROM Enrollment E, Section S, Course C
   -> WHERE E.Sec_num= S.Sec_num
   -> AND C.Course_num = S.course_num
   -> AND CWID_number = 99362748
 Title
           | Grade |
 CPSC 351 | B-
 CPSC 332
           | A-
 CPSC 351
           | A
 CPSC 362
           | A+
 CPSC 353 | C
5 rows in set (0.00 sec)
mysql>
₿ 8%
```

#### Interfaces - Pages:

#### Homepage:

# University Database Maintained by: Parker Martel, Aidan Sunahara, Sebastian Rodriguez Professor or Student? Professor Student

#### Professor page:

#### University Database

Maintained by: Parker Martel, Aidan Sunahara, Sebastian Rodriguez

> 1. Given the social security number of a professor, list the titles, classrooms, me		Subm
	nt how many students get each distinct grade i.e. A. A- B+ B. B- etc.	
Enter Course number	The result of the desired get odder distinct grade, not 1411 1211 21 21 21 21	
	Section Number: Submit	
	Go Back	
	OO BUCK	

#### Student page:

etadon pago.
University Database
Maintained by: Parker Martel, Aidan Sunahara, Sebastian Rodriguez
Student Queries
> 1. Given the campus wide ID of a student, list all courses the student took and the grades. Enter the student CWID:
> 2. Given a course number list the sections of the course, including the classrooms, the meeting days and time, and the number of students enrolled in each section. Enter the course number:
Submit
Go Back
GO Daux

### Interfaces - Sample Runs:

### Student Query 1:

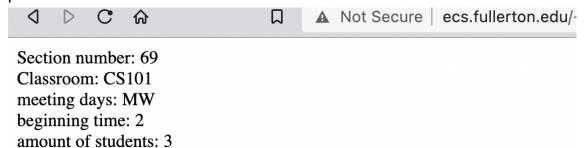
#### Input:

list all courses the student took and the grades. Enter the student C1 ding the classrooms, the meeting days and time, and the number of s 5893

Submit

Go Back

#### Output:



# Student Query 2:

Input:						
eries						
_	er the student C\ I the number of si			each section	Submit	course number
Submit		eddorre.	, cinoned in e		. Entor the t	
Output:						
4 b C	ᢙ		Not Secure	ecs.fullerto	on.edu/~cs332	t22/Query1.php
Title: Econ 101 Grade: C+ Title: Econ 201 Grade: B+						

#### Professor Query 1:

Input:

nis/her classes. Enter Social Security: 2378487

get each distinct grade, i.e. A, A-, B+, B, B-, etc.

Submit

#### Output:



Classroom: ECON 300 meeting days: TTH beg time: 1:45

end time: 12:30

Classroom: ECON 300 meeting days: MW

beg time: 7:30 end time: 8:30

# Professor Query 2:

	a course number and a Enter Course number			Section Number:		Subm
			G	o Back		
output:						
<b>d</b> D	C A	П	▲ Not Secure	e ecs.fullerton.	.edu/~cs332t	22/Query4.php
Grade: B- Amount o	f that grade: 1					