DATABASE PROJECT

University Database
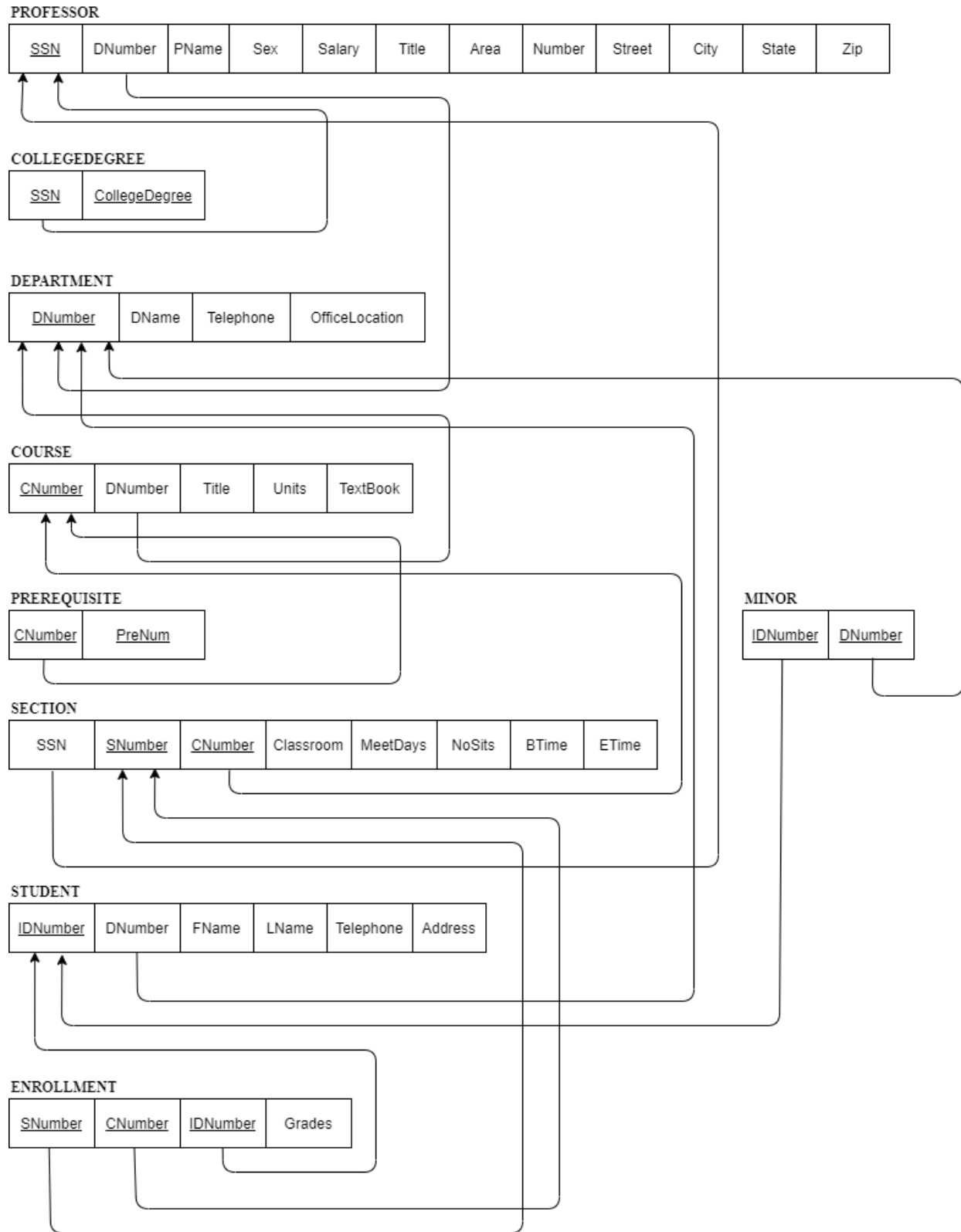
Member:

Andres F. Romero - 9589

ER Diagram:

Relational Model:

PROFESSOR

SSN	DNumber	PName	Sex	Salary	Title	Area	Number	Street	City	State	Zip

COLLEGEDEGREE

SSN	CollegeDegree

DEPARTMENT

DNumber	DName	Telephone	OfficeLocation

COURSE

CNumber	DNumber	Title	Units	TextBook

PREREQUISITE

CNumber	PreNum

MINOR

IDNumber	DNumber

SECTION

SSN	SNumber	CNumber	Classroom	MeetDays	NoSits	BTime	ETime

STUDENT

IDNumber	DNumber	FName	LName	Telephone	Address

ENROLLMENT

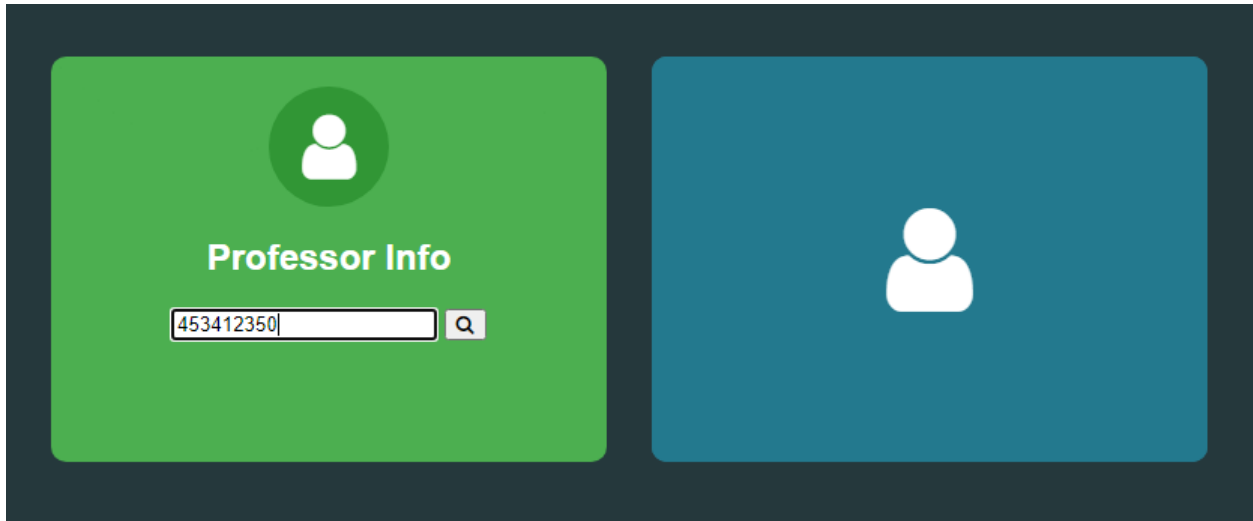| SNumber	CNumber	IDNumber	Grades

Interfaces Pictures:

Professor Search 1 - Given a SSN, show list of titles, classrooms, meeting days, and times of his/her classes:
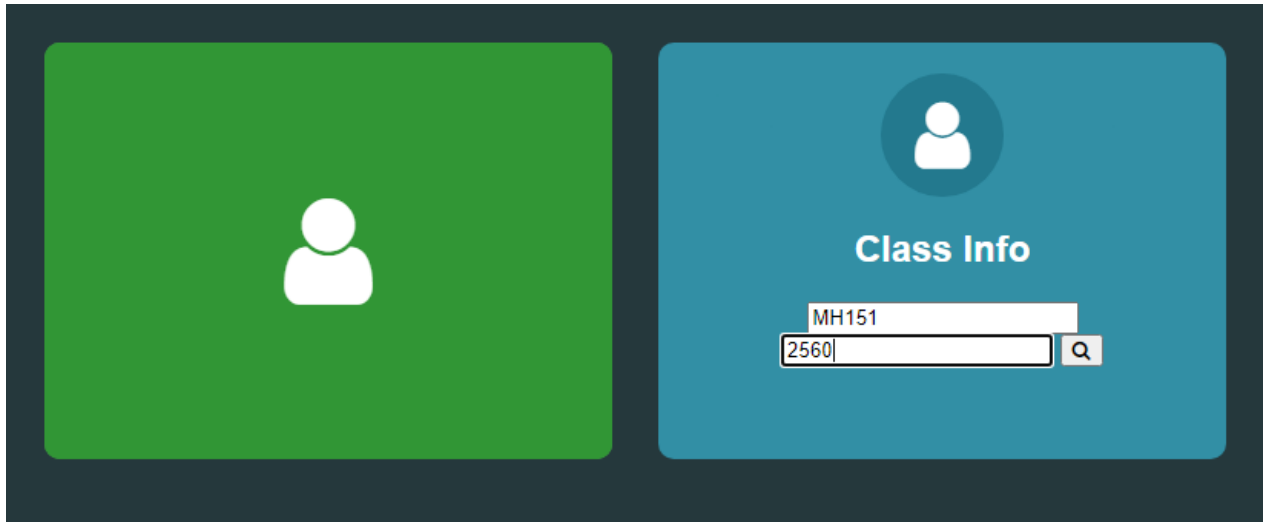
Input:

Output:

Professor's Info

Title	Classroom	MeetDays	BTime	ETime
Professor	CS-110	MW	11:30am	12:45pm
Professor	CS-100	F	1:00pm	3:45pm

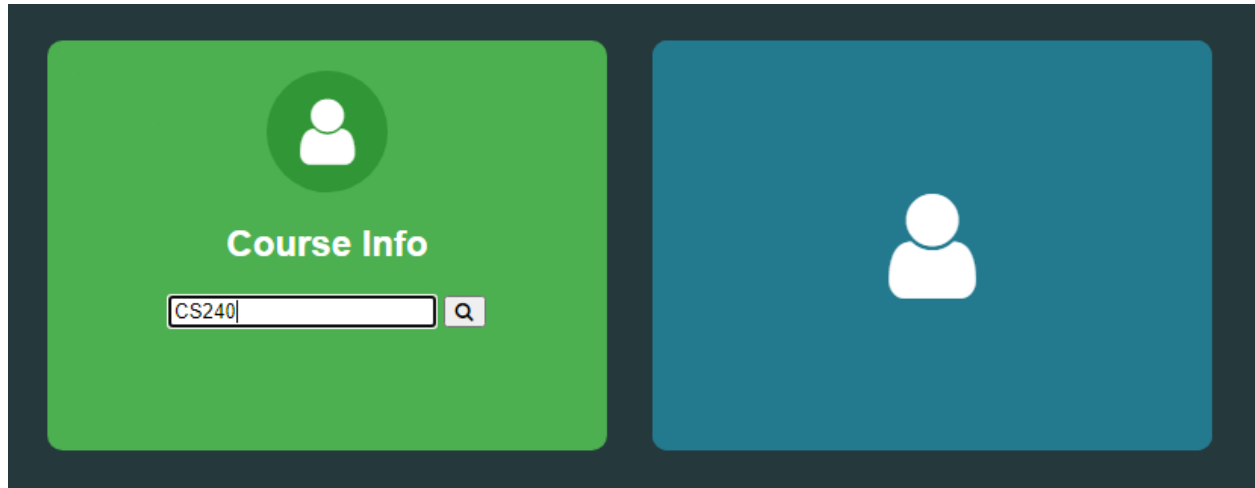**Professor Search 2 - Given a course number and section number, show how many students get each distinct grade:**

Input:

Output:

Grade	TotalofStudents
A-	2
B	2
B-	1
C+	1
C-	1

Student Search 1 - Given a course number, show classrooms, meeting days, times, and total number of students enrolled in each section:
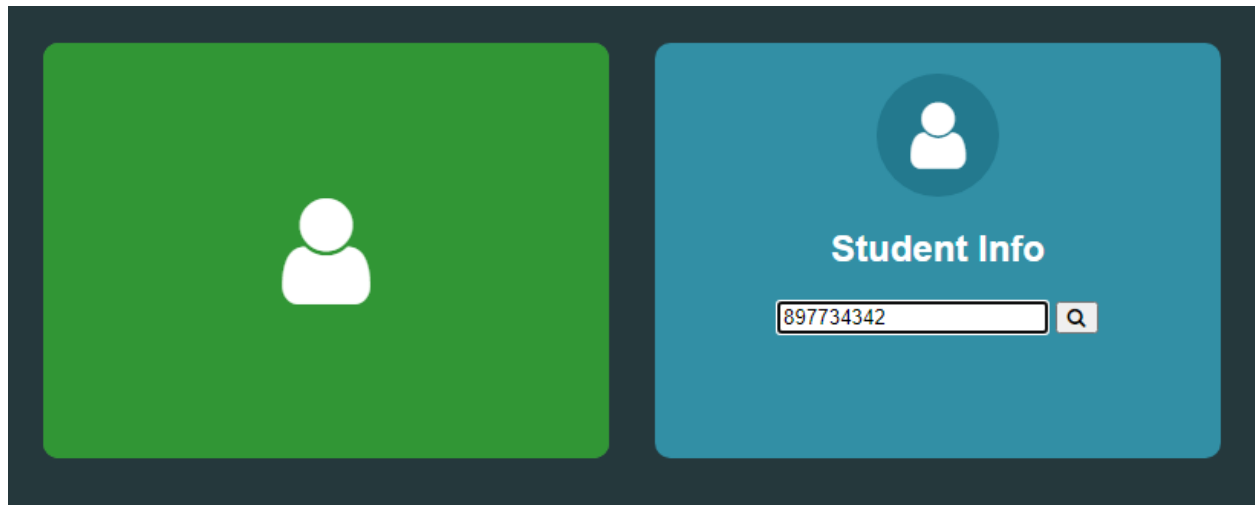
Input:

Output:

Class's Info

SNumber	Classroom	MeetDays	BTime	ETime	TotalStudents
2517	CS-104	MW	10:00am	11:15am	7
2867	CS-101	TTh	9:30am	10:45am	3

Student Search 2 - Given a ID number, show all courses and grades:

Input:

Output:

Student's Info

CNumber	Grade
MH151	B-
CS333	C+
CS240	A+