

Course Project: Student Management

Member:

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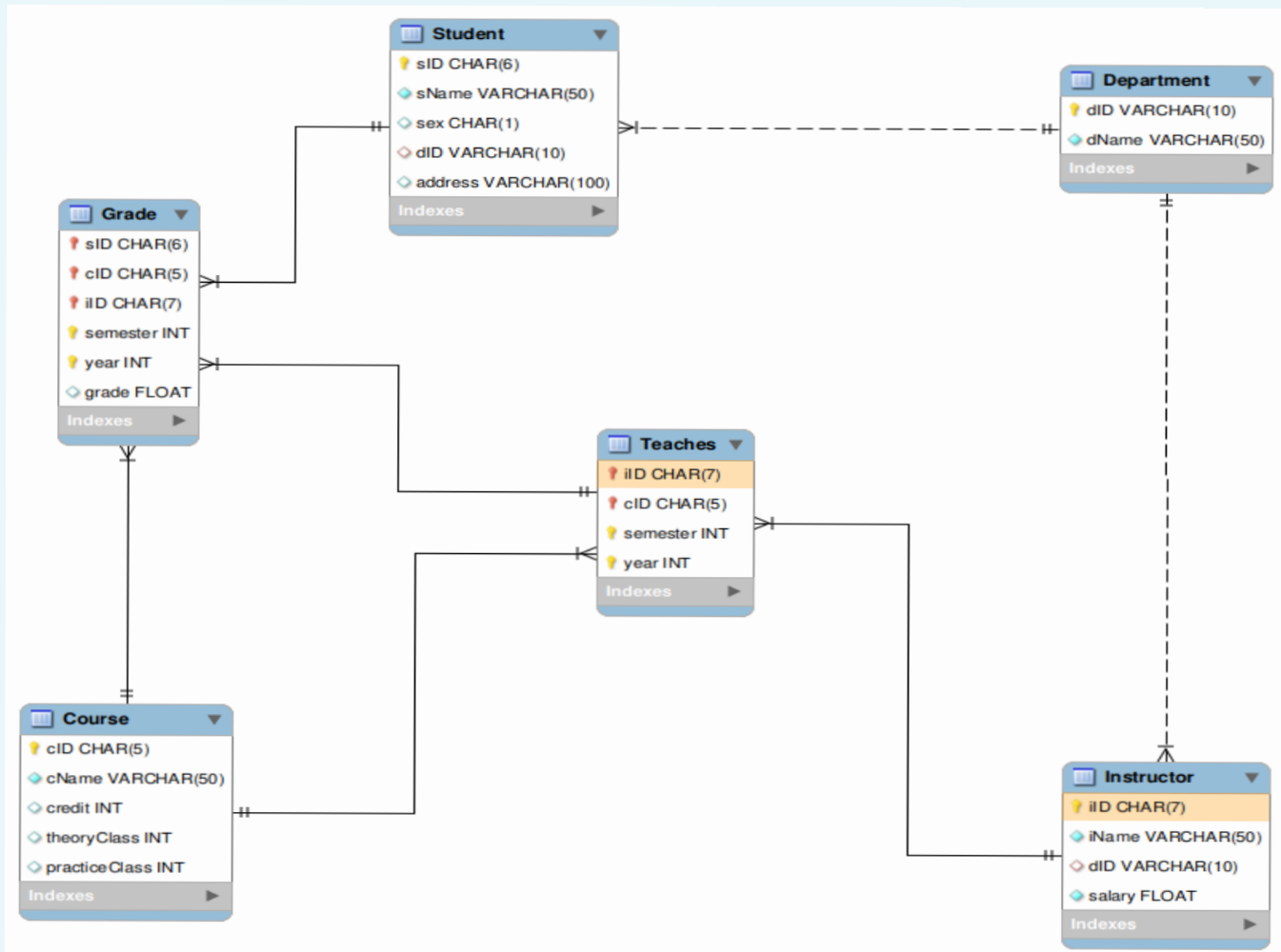
List of Services

- Add a new student
- Add student grade
- Calculate student GPA
- Calculate yearly tuition
- View student report card
- View instructor schedule
- Fetch student by department



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Schema





Stored Procedures

- ADD_STUDENT (IN ID char(6), IN Name varchar(50), IN gender char(1), IN deptID varchar(10), IN addr varchar(100))
- ADD_GRADE (IDs char(6), IDc char(5), IDi char(7), sems int, yer int, point float)
- REPORT_CARD (IN IDs char(6))
- INSTRUCTOR_SCHEDULE (IN ID char(7))
- STUDENT_BY_DEPARTMENT (IN deptID varchar(10))



Stored Functions

- CALCULATE_GPA (ID char(6))
- YEARLY_TUITION (IDs char(6), yar int)



ADD_STUDENT

```
+-----+  
| STUDENT MANAGEMENT SYSTEM |  
+-----+  
| Choose [1] to Add a new student |  
| Choose [2] to Add student grade |  
| Choose [3] to Calculate student GPA |  
| Choose [4] to Calculate yearly tuition |  
| Choose [5] to View student report card |  
| Choose [6] to View instructor schedule |  
| Choose [7] to Fetch student by department |  
| Choose [8] to Exit |  
+-----+
```

```
Make your input: 1  
Enter student ID: S06001  
Enter student name: ABCD  
Enter student gender: M  
Enter student department ID: tech  
Enter student address: Condo A, room 9210  
-> New student added successfully!
```

```
288 begin  
289     select * from Student  
290     join Department on Department.dID = Stu  
291     where Student.dID = deptID;  
292 end!  
293 • select * from Student;
```

Result Grid						Filter Rows:	Edit:
#	sID	sName	sex	dID	address		
	S05004	Angron Vo	M	tech	Condo Building A, room 12		
21	S06001	ABCD	M	tech	Condo A, room 9210		
	NULL	NULL	NULL	NULL	NULL		



ADD_GRADE

Connected!

-----+
| STUDENT MANAGEMENT SYSTEM |
+-----+
| Choose [1] to Add a new student |
| Choose [2] to Add student grade |
| Choose [3] to Calculate student GPA |
| Choose [4] to Calculate yearly tuition |
| Choose [5] to View student report card |
| Choose [6] to View instructor schedule |
| Choose [7] to Fetch student by department |
| Choose [8] to Exit |
+-----+
Make your input: 2
Enter student ID: S06001
Enter course ID: SP179
Enter instructor ID: I002001
Enter semester: 3
Enter year: 2018
Enter grade: 1.0
-> Grade added successfully!

StudentManagement* X

Result Grid Filter Rows: Ed

#	sID	cID	iID	semester	year	grade
42	S04004	TN001	I004001	1	2018	9.1
43	S05001	CT102	I005002	2	2016	8.5
44	S05002	CT102	I005002	1	2018	9.1
45	S05002	LN101	I001001	2	2017	8.3
46	S05002	SP101	I002002	2	2018	7.9
47	S05003	EC101	I003001	2	2016	7.7
48	S05003	SP101	I002001	3	2017	8.9
49	S05003	SP179	I002001	2	2018	8.6
50	S05003	TN004	I004001	1	2018	9
51	S05004	LN101	I001001	1	2016	8.8
52	S05004	SP179	I002001	2	2018	7.5
53	S06001	SP179	I002001	3	2018	1



CALCULATE_GPA

```
Connected!
+-----+
|          STUDENT MANAGEMENT SYSTEM          |
+-----+
| Choose [1] to Add a new student              |
| Choose [2] to Add student grade              |
| Choose [3] to Calculate student GPA          |
| Choose [4] to Calculate yearly tuition       |
| Choose [5] to View student report card      |
| Choose [6] to View instructor schedule      |
| Choose [7] to Fetch student by department  |
| Choose [8] to Exit                          |
+-----+
Make your input: 3
Enter student's ID: S01001
The GPA of student S01001 is: 3.311112 (B+)
```




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YEARLY_TUITION

```
Connected!
+-----+
|          STUDENT MANAGEMENT SYSTEM          |
+-----+
| Choose [1] to Add a new student              |
| Choose [2] to Add student grade              |
| Choose [3] to Calculate student GPA          |
| Choose [4] to Calculate yearly tuition        |
| Choose [5] to View student report card       |
| Choose [6] to View instructor schedule       |
| Choose [7] to Fetch student by department   |
| Choose [8] to Exit                           |
+-----+
Make your input: 4
Enter student ID: S05001
Enter year: 2016
(1 credit = 280.000 VND)
Student S05001's yearly tuition (2016) is: 1120000.0
```



REPORT_CARD

```
+-----+
| STUDENT MANAGEMENT SYSTEM |
+-----+
| Choose [1] to Add a new student |
| Choose [2] to Add student grade |
| Choose [3] to Calculate student GPA |
| Choose [4] to Calculate yearly tuition |
| Choose [5] to View student report card |
| Choose [6] to View instructor schedule |
| Choose [7] to Fetch student by department |
| Choose [8] to Exit |
+-----+
```

Make your input: 5

Enter student ID: S01002

Report card of student Leman Russ (ID: S01002):

No.	Course ID	Course name	Instructor ID	Semester	Year	Grade
1.	LN101	General Law	I001001	1	2016	7.8
2.	SP179	Public Speaking	I002001	2	2018	8.5



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INSTRUCTOR_SCHEDULE

Connected!

```
+-----+
|          STUDENT MANAGEMENT SYSTEM          |
+-----+
| Choose [1] to Add a new student               |
| Choose [2] to Add student grade               |
| Choose [3] to Calculate student GPA           |
| Choose [4] to Calculate yearly tuition        |
| Choose [5] to View student report card       |
| Choose [6] to View instructor schedule       |
| Choose [7] to Fetch student by department   |
| Choose [8] to Exit                           |
+-----+
```

Make your input: 6

Enter instructor ID: I004001

Instructor Samantha Martinez (ID: I004001) sssignments:

No.	Course ID	Course name	Semester	Year
1.	TN001	Calculus 101	1	2018
2.	TN001	Calculus 101	3	2016
3.	TN004	Statistics	3	2017



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STUDENT_BY_DEPARTMENT

```
main [java:application\jdk\bin\java -Dopenjdk.encoding=UTF-8 -Djava.class.path=C:\Program Files\Java\jdk-8.0.60\bin\java.exe] [start:1103]
| STUDENT MANAGEMENT SYSTEM |
+-----+
| Choose [1] to Add a new student |
| Choose [2] to Add student grade |
| Choose [3] to Calculate student GPA |
| Choose [4] to Calculate yearly tuition |
| Choose [5] to View student report card |
| Choose [6] to View instructor schedule |
| Choose [7] to Fetch student by department |
| Choose [8] to Exit |
+-----+
Make your input: 7
Enter department ID: tech
List of students from College of Infomation & Communication Technology department:
No. Student ID Student name
1. S05001 Constantin Valdor
2. S05002 Roboute Guilliman
3. S05003 Perturabo Le
4. S05004 Angron Vo
5. S06001 Nguyen Van A
```