UNIVERSITY MODEL

ABSTRACT

The purpose of this project is to measure the quality of education delivered by the university by developing a performance evaluating system that evaluates the success of students from different colleges in the university and rates the courses offered by each department in the available colleges and mentions the performance measure of the departments in the university while also reporting the placement statistics of the listed colleges with the graphical analysis of each of the alumni. Further, keeping the track of students performance, faculty's performance based on the feedback given by the students and also the course and department ranking based on the placement statistics will help the administrators take the decision which will eventually help to improve the quality of education.

OBJECTIVE

The main objective of this model is to develop a University Course Ranking and Feedback System.

- To create interface which displays all the informations of current students and their courses
- To display all the available courses in each department and also their performance which will help in the ranking of each department
- To display the performance of the alumni in their professional career and also the overall rating given by the alumni to a particular course which will help in enhancing the course structure in a department
- To provide feedback on faculty which is represented as faculty rating

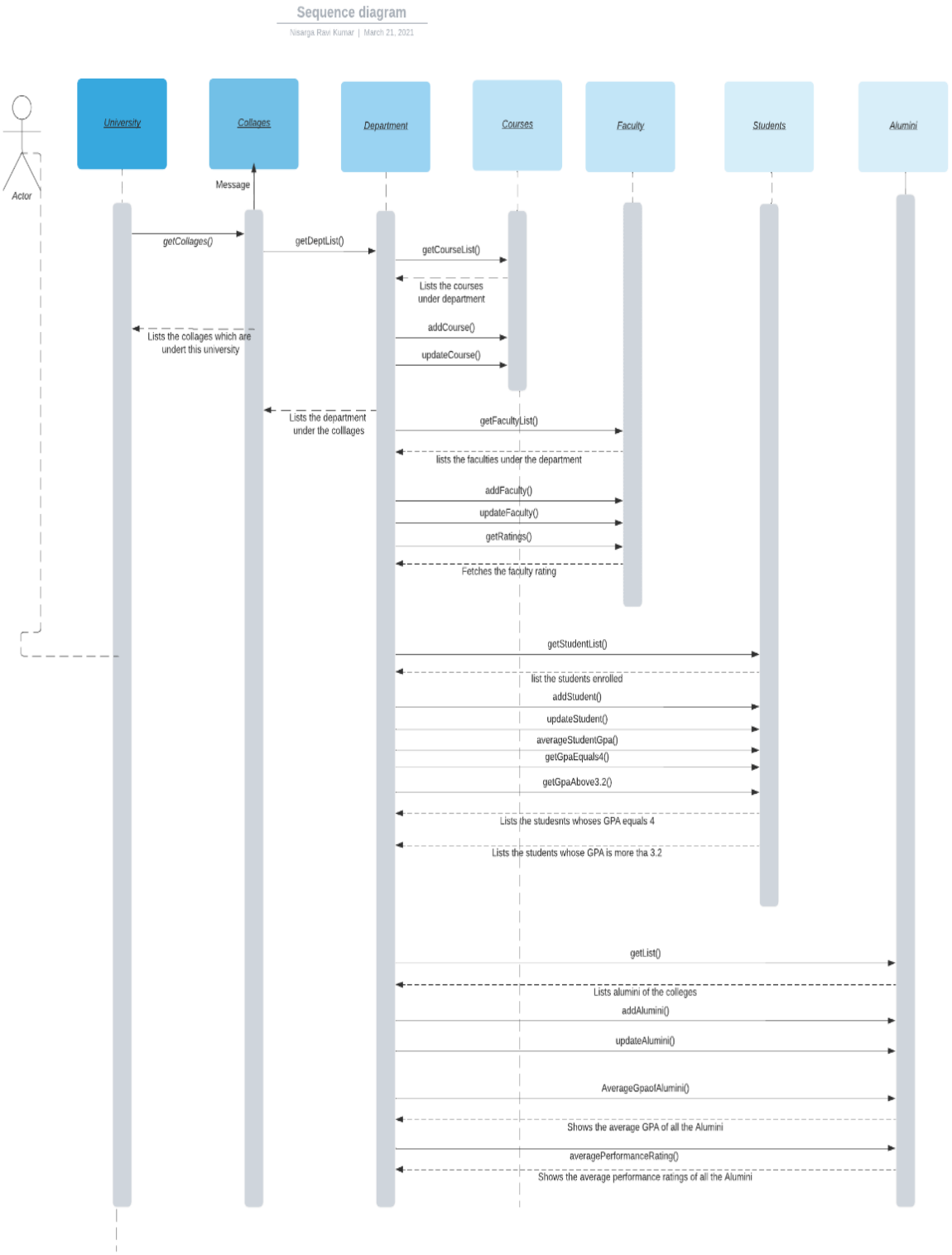
INTRODUCTION

We have designed a system which displays the performance rate of the alumni from each college and the ratings given by them to the courses taken by them which helped in their success. Our system also shows the faculty details and the courses related to them along with the rating given by the students to each faculty. Our graphical analysis displays charts to answer the question "Students from which college have performed better in their job role?". All these details will help the university decide which courses are useful and the ones needed to upgrade and ones that need to be removed.

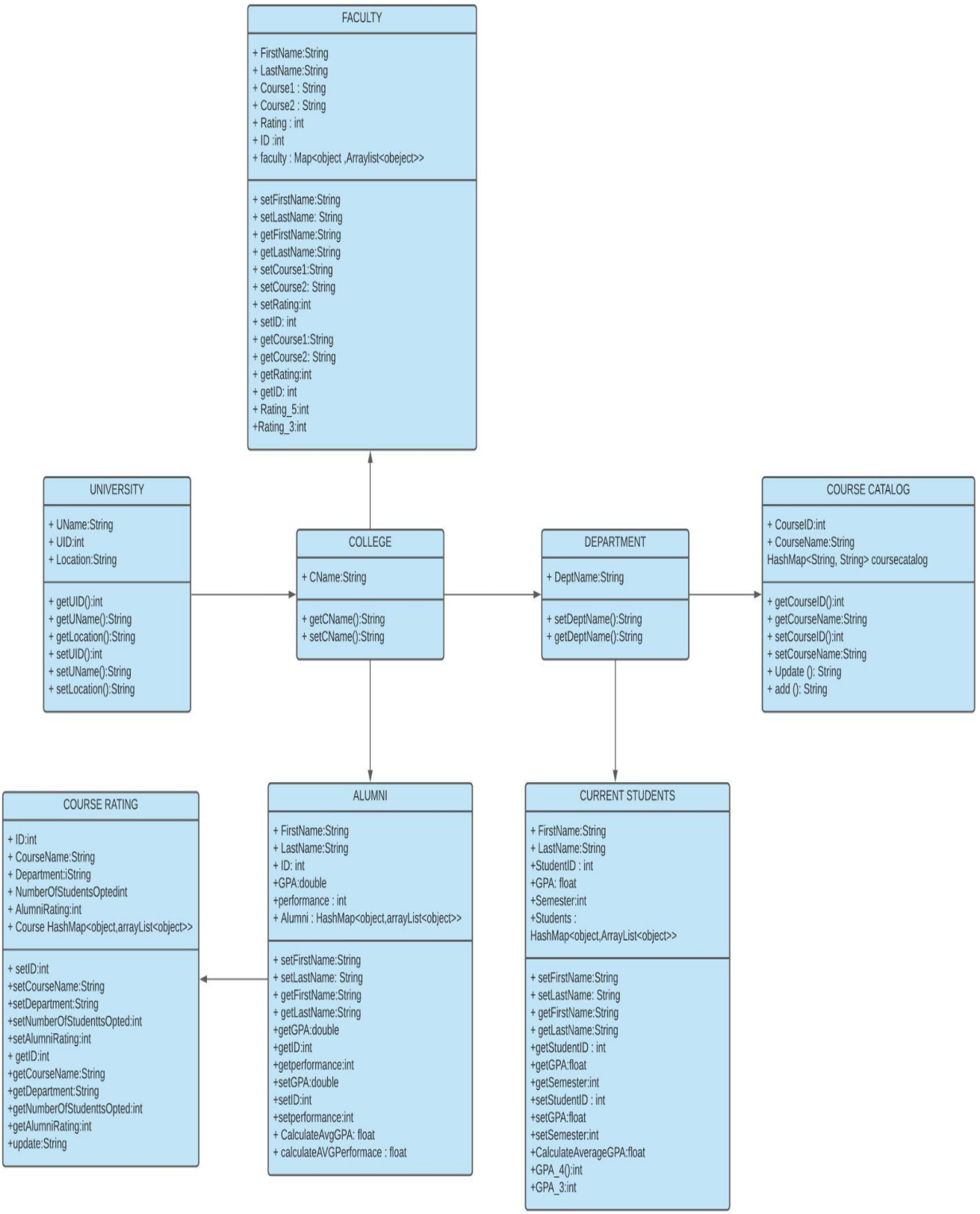
SCOPE

The project when completed will provide the study of the practical applicability of the courses offered by the university and the faculty who taught it

SEQUENCE DIAGRAM



UML DIAGRAM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+ LastName:String
+ Course1 : String
+ Course2 : String
+ Rating : int
+ ID :int
+ faculty : Map<object ,Arraylist<obeject>>
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+ setLastName: String
+ getFirstName:String
+ getLastName:String
+ setCourse1:String
+ setCourse2: String
+ setRating:int
+ setID: int
+ getCourse1:String
+ getCourse2: String
+ getRating:int
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+ Location:String
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+ getUName():String
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COLLEGE
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+ getCName():String
+ setCName():String
DEPARTMENT
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+ setDeptName():String
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+ CourseName:String
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+ getCourseName:String
+ setCourseID():int
+ setCourseName:String
+ Update (): String
+ add (): String
COURSE RATING
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+ CourseName:String
+ Department:iString
+ NumberOfStudentsOptedint
+ AlumniRating:int
+ Course HashMap<object,arrayList<object>>
+ setID:int
+setCourseName:String
+setDepartment:String
+setNumberOfStudenttsOpted:int
+setAlumniRating:int
+ getID:int
+getCourseName:String
+getDepartment:String
+getNumberOfStudenttsOpted:int
+getAlumniRating:int
+update:String
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+ LastName:String
+ ID: int
+GPA:double
+performance : int
+ Alumni : HashMap<object,arrayList<object>>
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+ setLastName: String
+ getFirstName:String
+ getLastName:String
+getGPA:double
+getID:int
+getperformance:int
+setGPA:double
+setID:int
+setperformance:int
+ CalculateAvgGPA: float
+ calculateAVGPerformace : float
CURRENT STUDENTS
+ FirstName:String
+ LastName:String
+StudentID : int
+GPA: float
+Semester:int
+Students :
HashMap<object,ArrayList<object>>
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+ setLastName: String
+ getFirstName:String
+ getLastName:String
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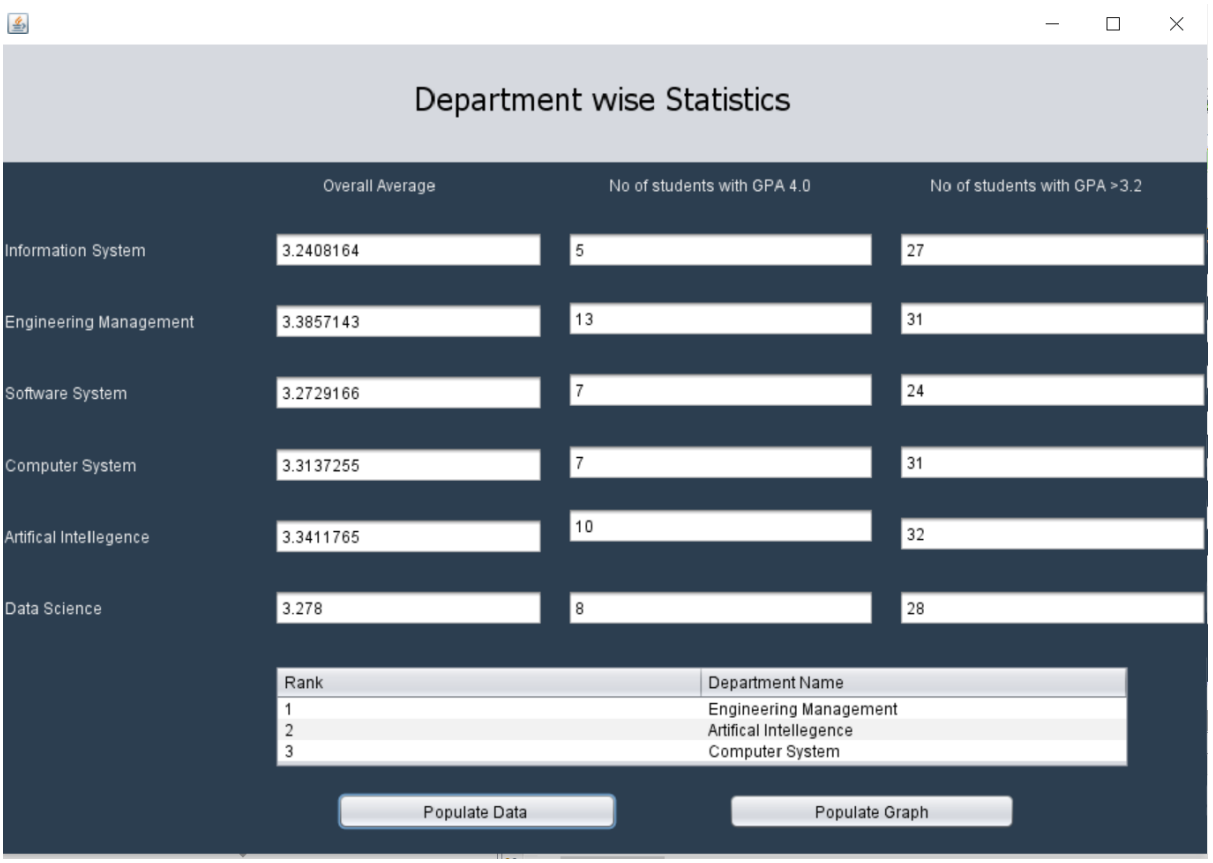
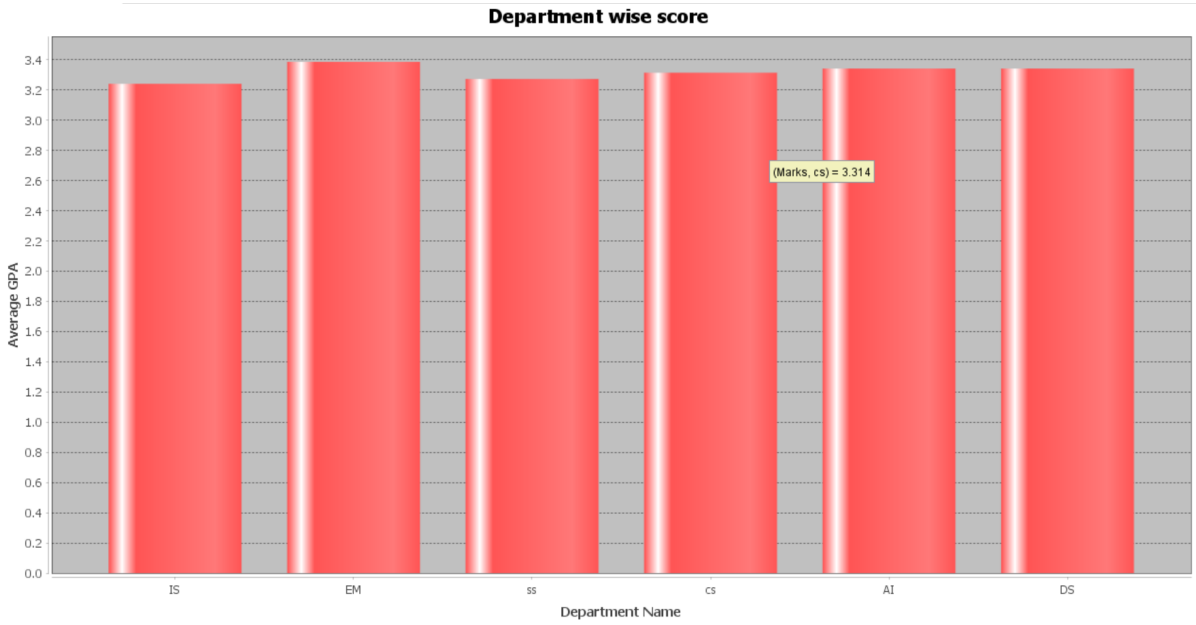
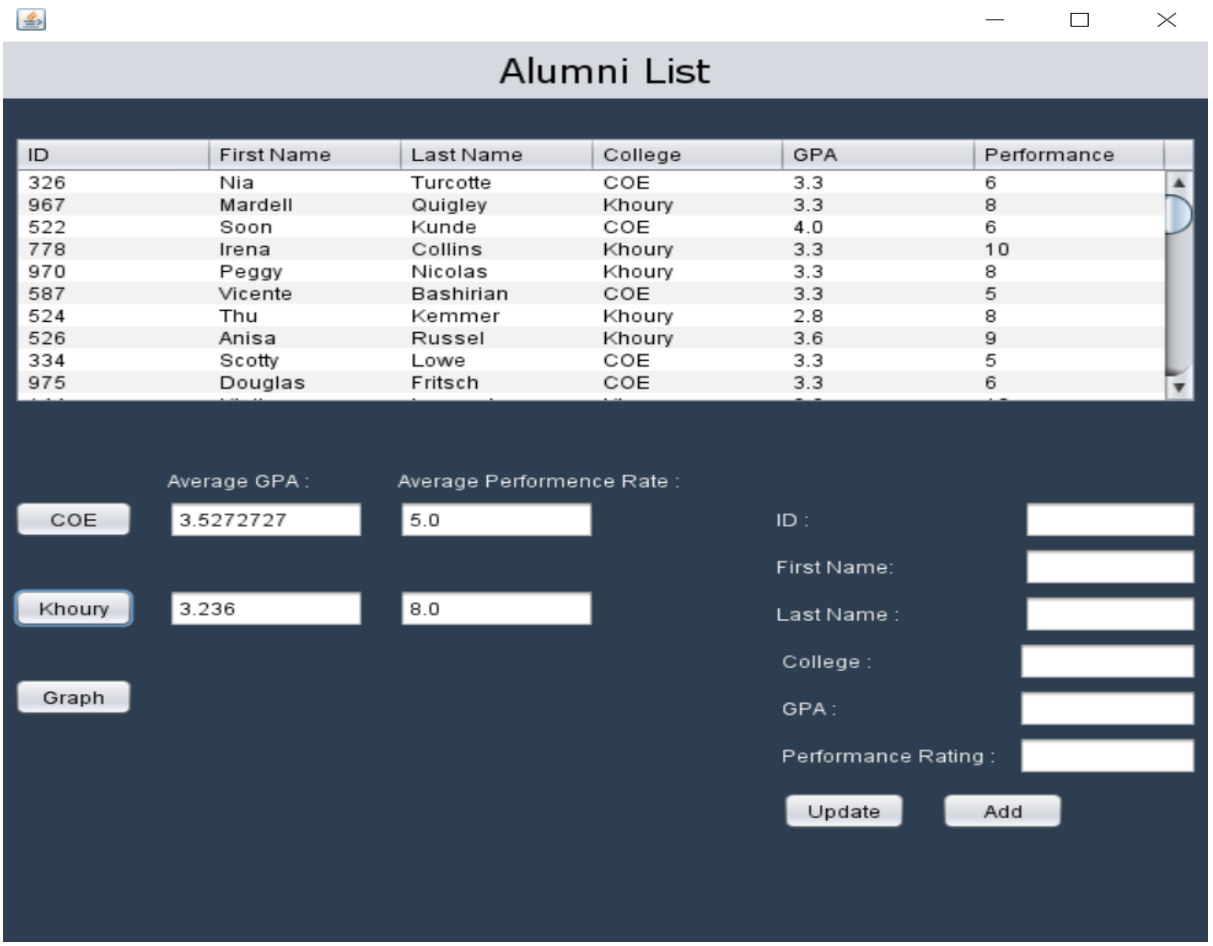
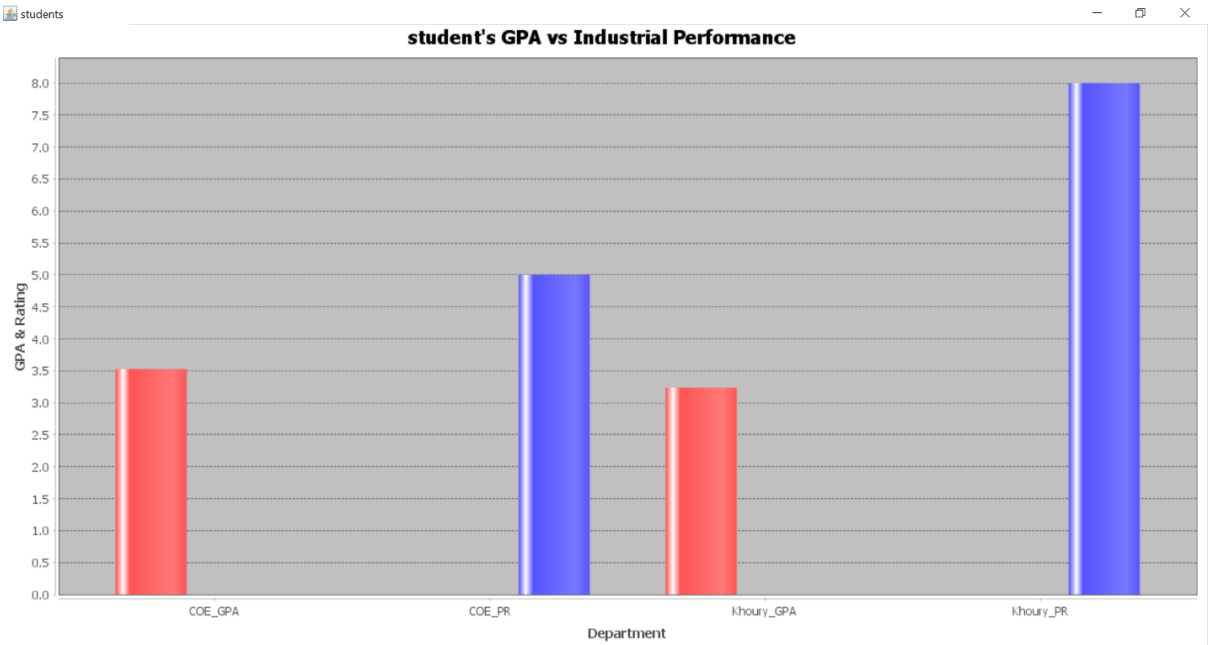
+getGPA:float
+getSemester:int
+setStudentID : int
+setGPA:float
+setSemester:int
+CalculateAverageGPA:float
+GPA_4():int
+GPA_3:int

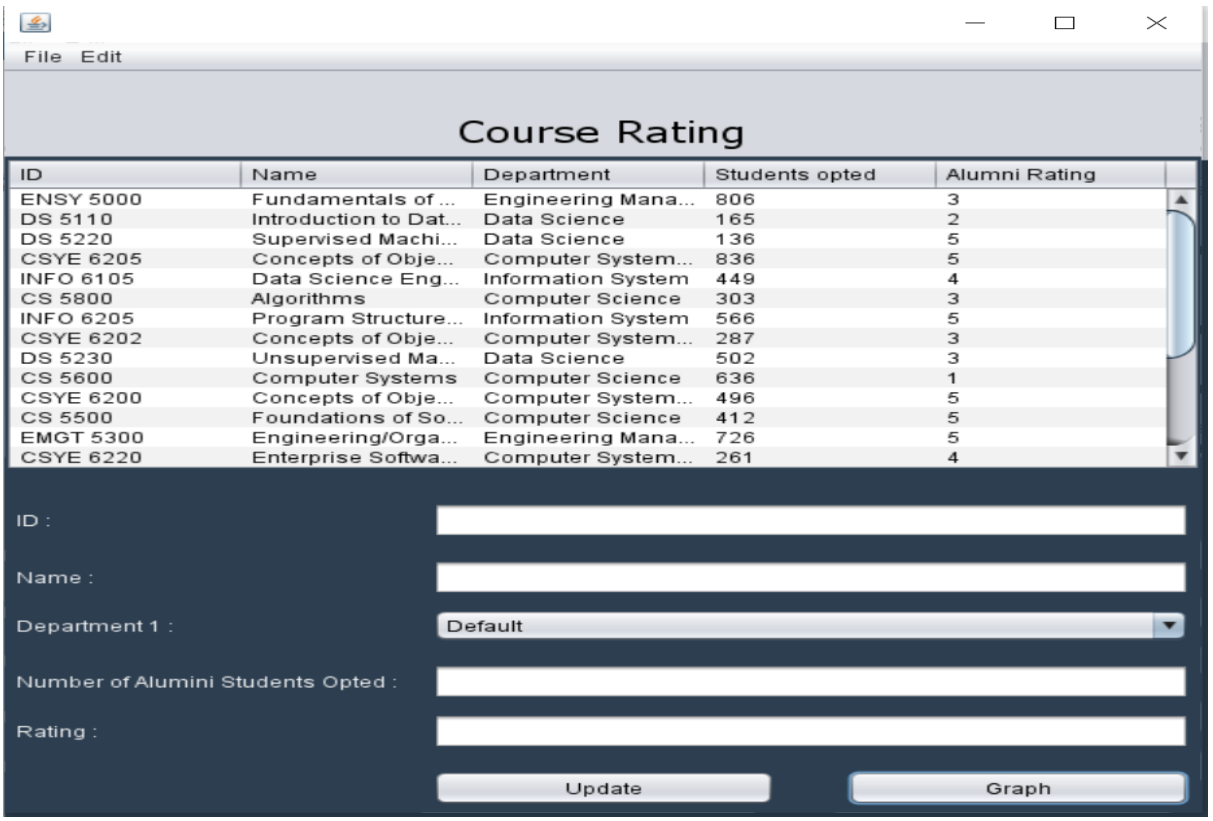
USER INTERFACE






Alumni List
ID
First Name
Last Name
College
GPA
Performance
326 Nia Turcotte COE 3.3 6
967 Mardell Quigley Khoury 3.3 8
522 Soon Kunde COE 4.0 6
778 Irena Collins Khoury 3.3 10
970 Peggy Nicolas Khoury 3.3 8
587 Vicente Bashirian COE 3.3 5
524 Thu Kemmer Khoury 2.8 8
526 Anisa Russel Khoury 3.6 9
334 Scotty Lowe COE 3.3 5
975 Douglas Fritsch COE 3.3 6
Average GPA :
Average Performence Rate :
COE
3.5272727
5.0
Khoury
3.236
8.0
Graph
ID :
First Name:
Last Name :
College :
GPA :
Performance Rating :
Update
Add


students
student's GPA vs Industrial Performance
GPA & Rating
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
COE_GPA
COE_PR
Khoury_GPA
Khoury_PR
Department


File Edit
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ID | Name | Department | Students opted | Alumni Rating
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DS 5110 | Introduction to Dat... | Data Science | 165 | 2
DS 5220 | Supervised Machi... | Data Science | 136 | 5
CSYE 6205 | Concepts of Obje... | Computer System... | 836 | 5
INFO 6105 | Data Science Eng... | Information System | 449 | 4
CS 5800 | Algorithms | Computer Science | 303 | 3
INFO 6205 | Program Structure... | Information System | 566 | 5
CSYE 6202 | Concepts of Obje... | Computer System... | 287 | 3
DS 5230 | Unsupervised Ma... | Data Science | 502 | 3
CS 5600 | Computer Systems | Computer Science | 636 | 1
CSYE 6200 | Concepts of Obje... | Computer System... | 496 | 5
CS 5500 | Foundations of So... | Computer Science | 412 | 5
EMGT 5300 | Engineering/Orga... | Engineering Mana... | 726 | 5
CSYE 6220 | Enterprise Softwa... | Computer System... | 261 | 4
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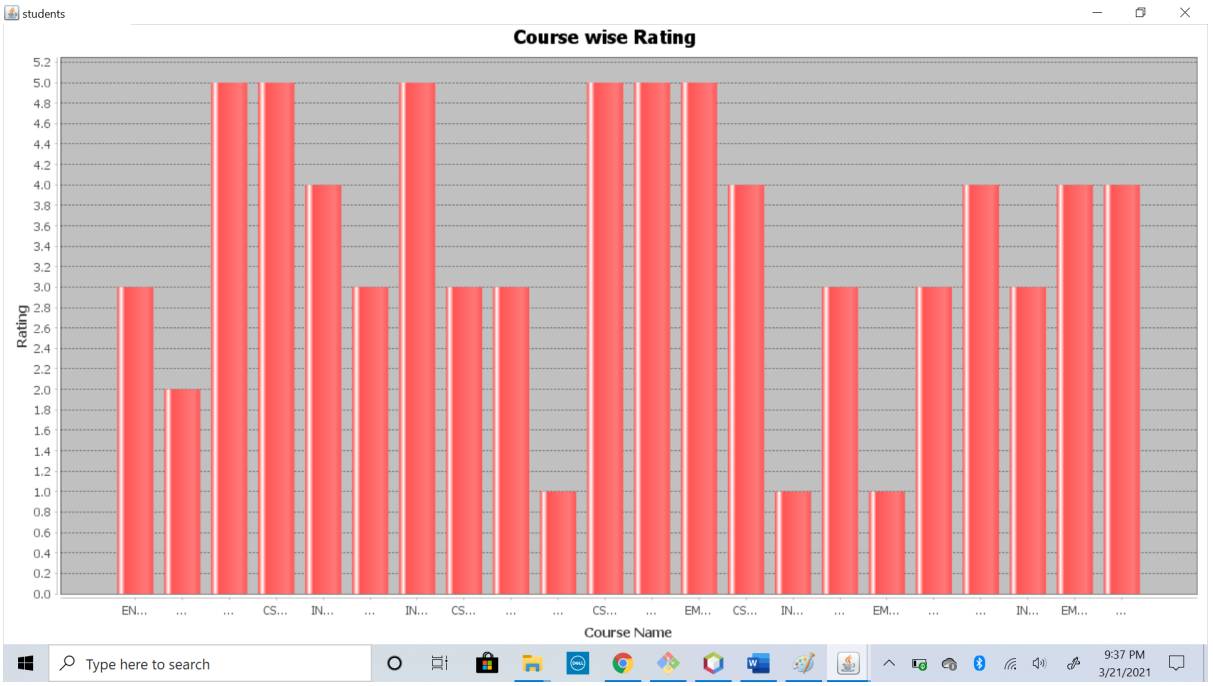
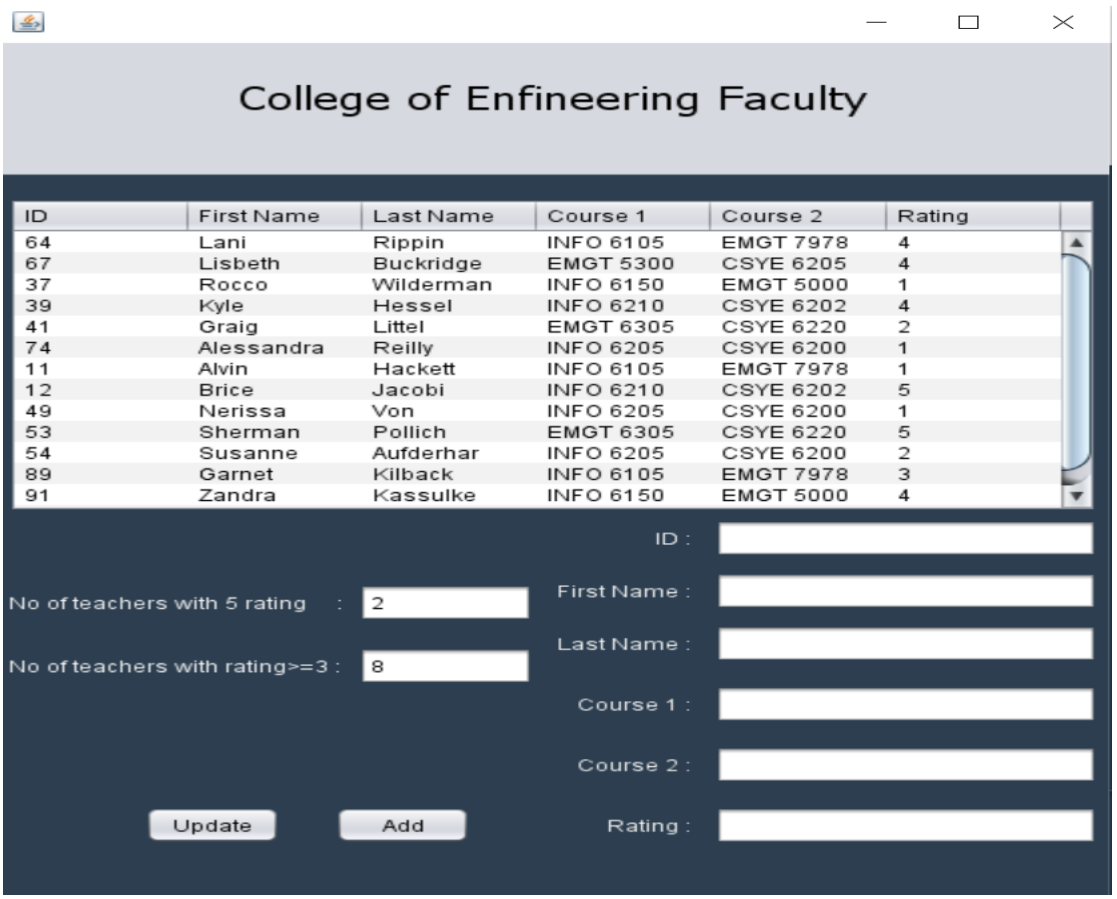
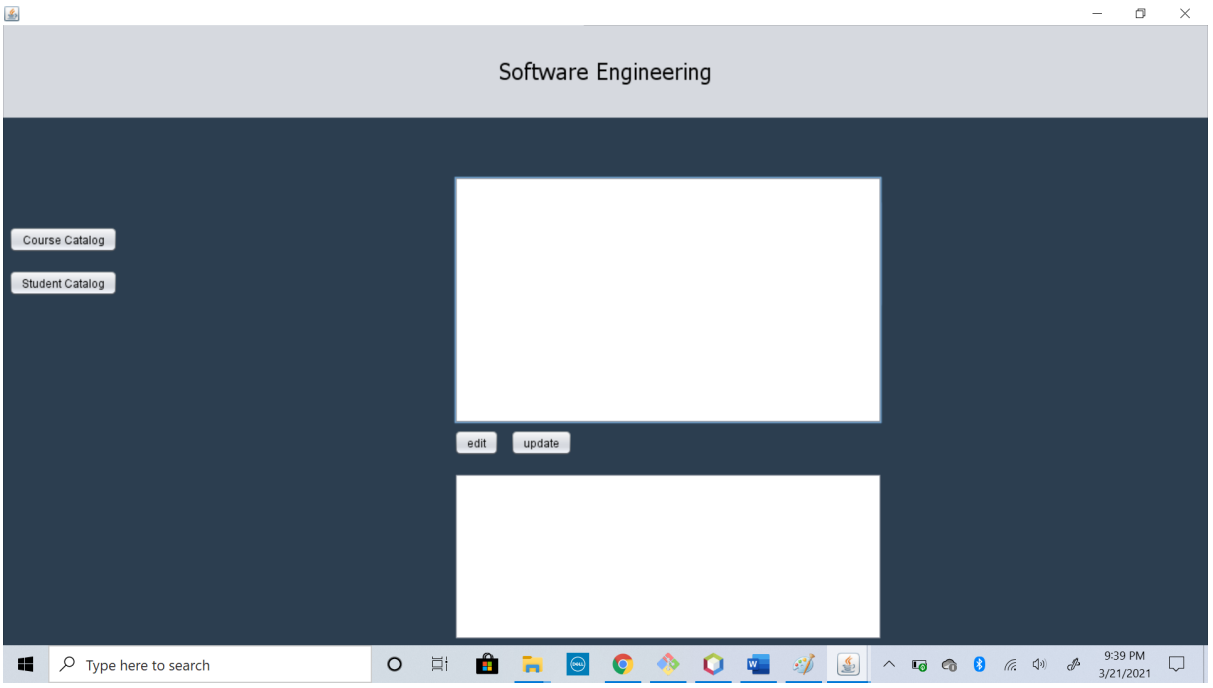
Name :
Department 1 :
Default
Number of Alumini Students Opted :
Rating :
Update
Graph


students
Course wise Rating
Rating
Course Name
Type here to search
9:37 PM
3/21/2021


College of Enfineering Faculty
ID
First Name
Last Name
Course 1
Course 2
Rating
64 Lani Rippin INFO 6105 EMGT 7978 4
67 Lisbeth Buckridge EMGT 5300 CSYE 6205 4
37 Rocco Wilderman INFO 6150 EMGT 5000 1
39 Kyle Hessel INFO 6210 CSYE 6202 4
41 Graig Littel EMGT 6305 CSYE 6220 2
74 Alessandra Reilly INFO 6205 CSYE 6200 1
11 Alvin Hackett INFO 6105 EMGT 7978 1
12 Brice Jacobi INFO 6210 CSYE 6202 5
49 Nerissa Von INFO 6205 CSYE 6200 1
53 Sherman Pollich EMGT 6305 CSYE 6220 5
54 Susanne Aufderhar INFO 6205 CSYE 6200 2
89 Garnet Kilback INFO 6105 EMGT 7978 3
91 Zandra Kassulke INFO 6150 EMGT 5000 4
No of teachers with 5 rating : 2
No of teachers with rating>=3 : 8
ID :
First Name :
Last Name :
Course 1 :
Course 2 :
Rating :
Update
Add


Software Engineering
Course Catalog
Student Catalog
edit
update
Type here to search
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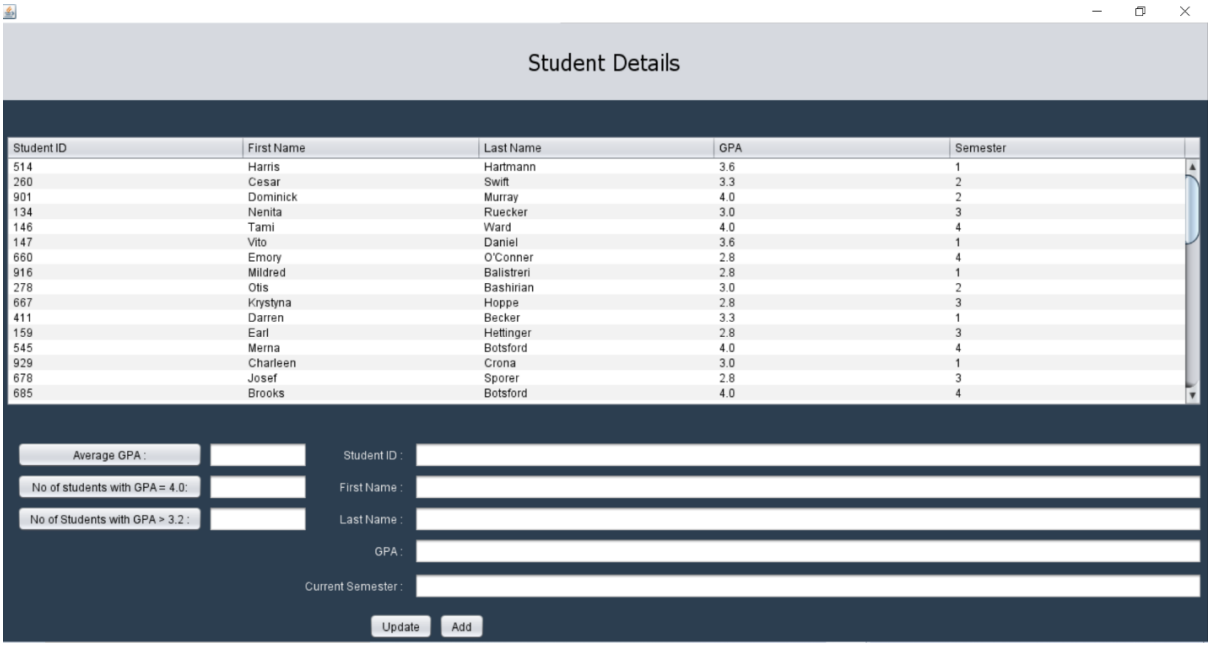
3/21/2021


Student Details
Student ID
First Name
Last Name
GPA
Semester
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260 Cesar Swift 3.3 2
901 Dominick Murray 4.0 2
134 Nenita Ruecker 3.0 3
146 Tami Ward 4.0 4
147 Vito Daniel 3.6 1
660 Emory O'Conner 2.8 4
916 Mildred Balistreri 2.8 1
278 Otis Bashirian 3.0 2
667 Krystyna Hoppe 2.8 3
411 Darren Becker 3.3 1
159 Earl Hettinger 2.8 3
545 Merna Botsford 4.0 4
929 Charleen Crona 3.0 1
678 Josef Sporer 2.8 3
685 Brooks Botsford 4.0 4
Average GPA :
No of students with GPA = 4.0:
No of Students with GPA > 3.2 :
Student ID :
First Name :
Last Name :
GPA :
Current Semester :
Update
Add