



**Daffodil**  
*International*  
**University**

## **REPORT**

Course Title: Object Oriented Programming

Course Code: CSE221

SUBMITTED TO: Mr. Asif Uz Zaman Asif

Department of CSE

Daffodil International University

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Section: K

Department of CSE

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## **Project Title: Student info basis on a course**

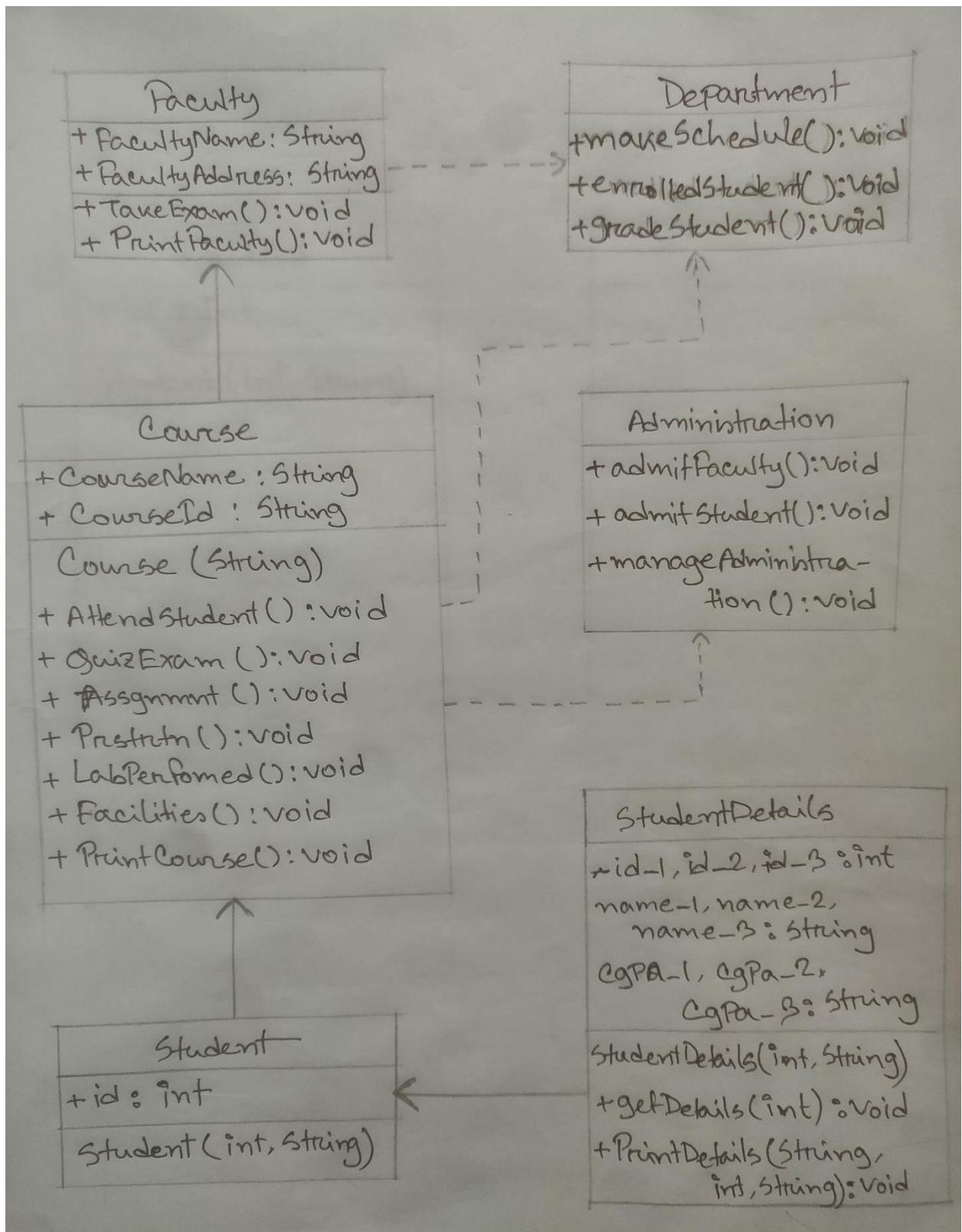
### **Java tools**

I worked my project in NetBeans. To implement the project I used class, interface, multiple object, methods, constructor, if - else condition, this, super keyword & so on.

### **Code Explanation**

Here I used Administration, Department interface & Faculty, Course, Student, Student Details as a class. At First the Faculty Class implements the Department interface & print Faculty name & address as Faculty info. Second point, the Course class extends Faculty & implements Department & administration interface. Here I use a constructor for course id & makes some method which will use as rules of Course in the class & will implement in the child class as per need. Third, I make a Student class which extends Course class. Here, I make a constructor with variable: Student id & super class Course id. And implements the Course class method for student. Fourth, I make a Student Details class which extends Student class. Here, I make a Student dataset of 3 Students, if id = 1/2/3 then what will be the Name & Cgpa. In Student Details class super class constructor is used & called getDetails method to pass student id. When the User pass the Student id then the id will go to getDetails method & by if – else condition it will compare with the dataset id & call Print Student Details method for printing. Now in Main class I take user input of Student id & Course id. Then I make an object of student class & pass Student id & Course id for further process , a Student Details class object for print Student Details , a Course class object for print Course Details, a Faculty Class object for faculty Details. Here the main output is that user can attend exam, submit Assignment, presentation, report & can see their result/mark.

## UML DIAGRAM



## Sample Input / Output

### Input:

Enter Student Id: 1

Enter course Id: cse222

### Output:

Student details:

Student Name: Rowby

Student Id: 3

Student CGPA: 3.8

Course Name: Object Oriented Programming

Course Id: cse222

Which section you want to Enter?

1: Quiz          2: Assignment          3: Main Exam

4: Presentation          5: Lab Work          6: Result          7: Exit

### Input:

3

Do you want to attend the Exam? Enter (y/n)

y

### Output:

Exam is done

Your written Exam Mark: 51 out of 65

Which section you want to Enter?

1: Quiz          2: Assignment          3: Main Exam

4: Presentation          5: Lab Work          6: Result          7: Exit

Input:

2

Do You want to submit the Assignment ? Enter (y/n)

y

Output:

Assignment is Submitted

which section You want to Enter ?

1:Quiz 2:Assignment 3:Main Exam

4:Presentation 5:Lab Work 6:Result 7:Exit

Input:

7

Output:

BUILD SUCCESSFUL (Exit From The Code).