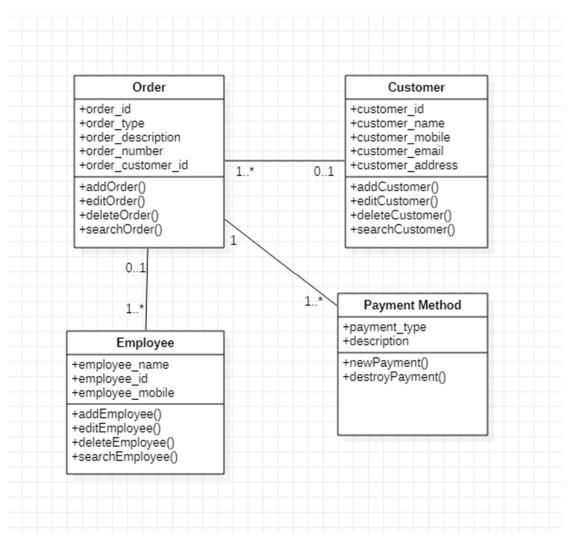
Student Name: Bilal Yousuf Roll No: 19B-052-SE Section: A

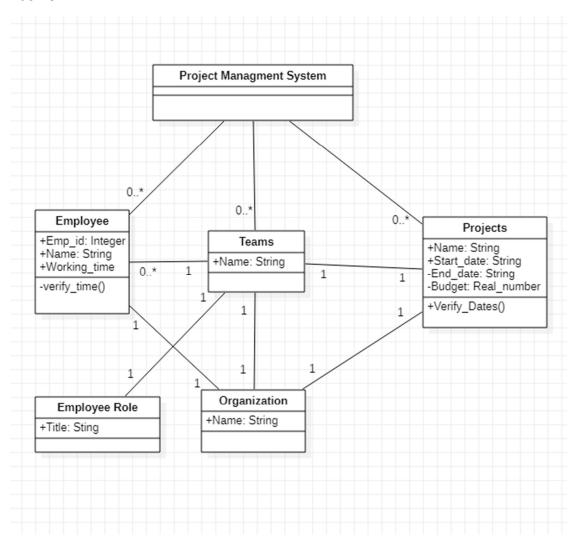
Lab 02: Class diagram with their notation and relationships.

Task 01:



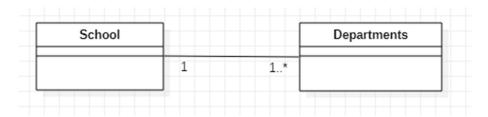
Student Name: Bilal Yousuf Roll No: 19B-052-SE Section: A

Task 02:

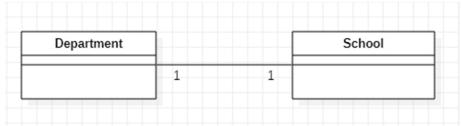


Task 03:

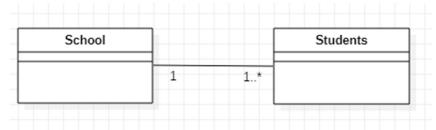
• A school has one or more department



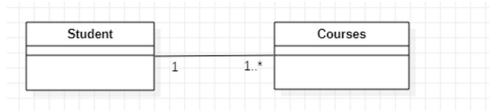
• A department can only belong to one school.



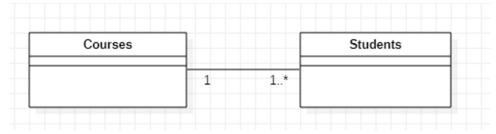
• A school has one or more students.



• A student can attend one or more courses.



• A courses can have one or more students.

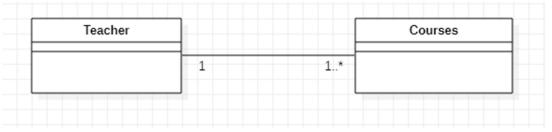


• A course is taught by one teacher only.

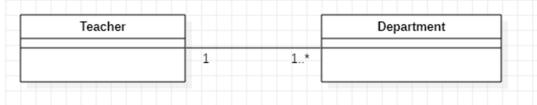
Course			Teacher
	1	1	

Roll No: <u>19B-052-SE</u>

• A teacher can teach one or more courses.



• A teacher is assigned one or more departments



• A department can have one or more teachers.

Department	_		Teacher
	1	1*	

• A teacher can be the chairman of zero or one department.

Teacher			Chairman of department
	1	01	
	_	02	

• A department can have zero or one chairman (teacher).

Department			chairman
	1	0.1	
		01	

• A course belong to one or more departments.



• A department can have one or more courses etc.

Department			Courses
	1	1*	

Student Name: Bilal Yousuf Roll No: 19B-052-SE Section: A

Task 04:

Class Diagram of Holiday Inn Hotel

