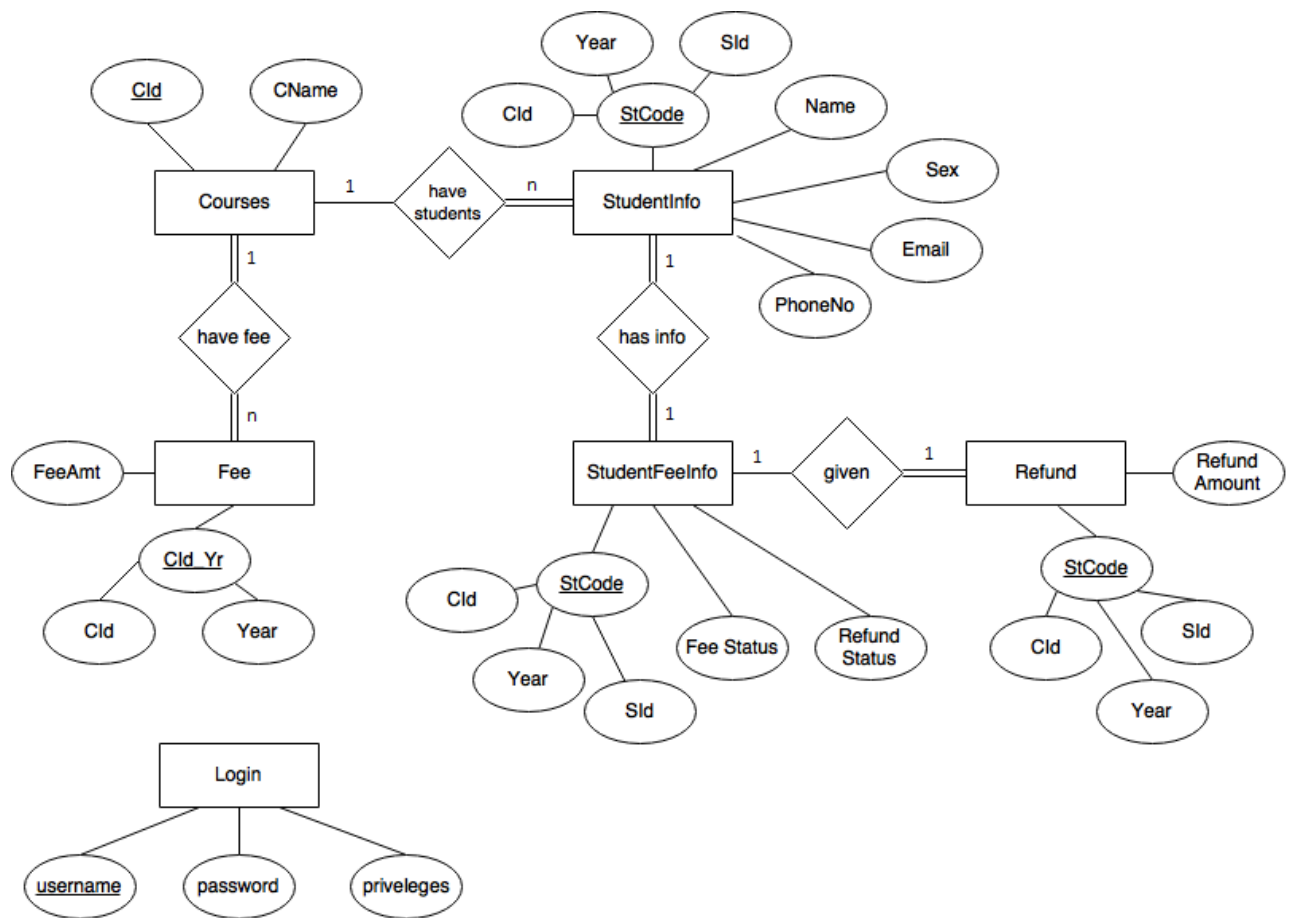


## ER Diagram



## Table Structure

**Table 1: Courses**

<u>Attribute</u>	<u>Description</u>
Cid (PK)	unique course id
CName	course name

**Table 2: StudentInfo**

<u>Attribute</u>	<u>Description</u>
Cid Year SId <span style="font-size: 2em; vertical-align: middle;">}</span> combined primary key	unique course id
	year (1,2,3,4)
	unique student id
Name	name
Sex	sex
Phone no.	phone number
Email	email address

**Table 3: StudentFeeInfo**

<u>Attribute</u>	<u>Description</u>
Cid Year SId <span style="font-size: 2em; vertical-align: middle;">}</span> combined primary key	unique course id
	year (1,2,3,4)
	unique student id
Fee Status	true/false
Refund Status	true/false

**Table 4: Refund**

<u>Attribute</u>	<u>Description</u>
Cid Year SId <span style="font-size: 2em; vertical-align: middle;">}</span> combined primary key	unique course id
	year (1,2,3,4)
	unique student id
RefundAmt	amount of fee refunded

**Table 5: Fee**

<u>Attribute</u>	<u>Description</u>
Cid	unique course id
Year	year (1,2,3,4)
FeeAmt	fee amount

**Table 6: Login**

<u>Attribute</u>	<u>Description</u>
Username (PK)	unique username
Password	password
Privileges	privileges for the account

**Table 7: TempStudentInfo**

<u>Attribute</u>	<u>Description</u>
Cid	unique course id
Year	year (1,2,3,4)
SId	unique student id
Name	name
Sex	sex
Phone no.	phone number
Email	email address

## SQL Queries

1. select password from Login where password = “\*\*\*\*”
2. select privileges from Login where username = “xyz”
3. select FeeAmt from Fee, Courses where cname = “abc” and year = 1 and Fee.CId = Courses.CId
4. update StudentFeeInfo set feeStatus = true where Cid= 1 and year = 1 and SId = 1234
5. select count(\*) from StudentInfo S1, StudentFeeInfo S2 where s1.Cid= s2.Cid and s1.year=s2.year and s1.Sid=s2.Sid and s2.feeStatus = true
6. select name, s1.Cid, s1. year, s1.Sid from StudentInfo S1, StudentFeeInfo S2 where s1.Cid= s2.Cid and s1.year=s2.year and s1.Sid=s2.Sid and s2.feeStatus = false
7. update Fee set feeAmt = 12345 where Cid= 1 and year = 1
8. select name, s1.Cid, s1. year, s1.Sid from StudentInfo S1, StudentFeeInfo S2 where s1.Cid= s2.Cid and s1.year=s2.year and s1.Sid=s2.Sid and s2.refundStatus = true
9. update StudentFeeInfo set refundStatus = true where Cid= 1 and year = 1 and SId = 1234
10. insert into Refund values (1,1,1234,12345);