

Project Name: Institute Management

Consider we have the Database

Login Table

Id	userID	Password
1	Rajesh	rajesh@123
2	Anand	anand@123
3	Manoj	manoj@123

(Note: Manoj is Admin, Anand is HR and Manoj is student)

tblRoles Table

Id	Login_id	role
1	1	Admin
2	1	HR
3	2	HR
4	3	student

Note:

- one user may have more than 1 roles
- Admin can access Course Table, add student in course and set there placement in csjoin table (i.e. perform CRUD operation)
- HR can access placement table only
- Student can access student table only

Course Table

Courseid	Course name	Fees
1	JAVA	26000
2	PHP	26000
3	.NET	26000

Student Table

Sid	Name	Email	Contact	Address
1	Ram	ram@gmail	123456	PUNE

2	Shyam	shyam@	343434	Nashik
3	Dinesh	dinesh@	43265	Mumbai

Placement Table

Pid	Comp name	Package	Pdate
1	TCS	360000	01/01/2020
2	Infosys	360000	01/02/2020

Csjoin table

Courseid	Sid	Pid
1	1	1
2	1	2
1	2	1
2	2	2

Above Table Description given below

Login Table

Column name	data type	constraints
Id	int	primary key auto increment
userID	nvarchar (200)	not null unique
Password	nvarchar (200)	not null

tblRoles Table

Column name	data type	constraints
Id	int	primary key auto increment
Login_id	int	not null, foreign key
role	nvarchar (20)	not null

Course Table

Column name	data type	constraints
Courseid	int	primary key auto increment
name	nvarchar(200)	not null unique
fees	int(5)	not null

Student Table

Column Name	data type	constraints
sid	int(5)	primary key auto increment
name	varchar(200)	not null
email	varchar(200)	not null unique
contact	varchar(200)	not null unique
address	varchar(200)	not null

Placement Table

Column name	data type	constraints
pid	int(5)	primary key auto increment
comp name	varchar(200)	not null
package	int(5)	not null
pdate	date	not null

Csjoin table

column name	datatype	constraints
sid	int(5)	foreign key
cid	int(5)	foreign key
pid	int(5)	foreign key

Design Tables and perform CRUD operation using it.

NOTE:

- perform Validation on all View pages using data annotations
- Do authentication and authorization for each and every ActionMethod (role base authorization)