Faculty Remuneration System

The Automation of Faculty remuneration System allows the college faculty to get important data about their remunerations for their invigilation's.

Create a Web Server For Faculty Remuneration System Using Express. In your Server there are three routes

1. Faculty
2. Student
3. Admin

- **In Faculty routes You have to design following APIS.**

This allows the registered faculty to login in order to view their invigilation and payment details. (Faculty payment depends on student count and batches)

1. Register()
2. Login()
3. CheckPaymentDetails()
4. CheckStudentCount()
5. CheckClassroomDetails()
6. UpdateProfile()
7. Logout()

- **In Student routes You have to design following APIS.**

This allows the student to check in which room they are allotted.

1. Register()
2. Login()
3. CheckClassroomDetails()
4. CheckFacultyDetails()
5. UpdateProfile()
6. Logout()

- **In Admin routes You have to design following APIS.**

The admin assigns the invigilation to the faculty and add the required rooms and allocate the students according to them.

1. Register()
2. Login()
3. AllFacutly()

4. AllStudent()
5. GetStudentByRoom()
6. GetStudentByFaulty()
7. DeleteFaculty()
8. DeleteStudent()
9. AddClassroom()
10. EditClassroom()
11. DeleteClassroom()
12. AllocateFacultyToClassroom()
13. AllocateStudentToClassroom()
14. CalculateFacultyPayment() --- depends on student count and batches
15. UpdateProfile()
16. Logout()

UI Pages

- Home Page
- Login page
- Admin Home Page
- Add Room Page
- Faculty Allocation Page
- Student Allocation Page
- Faculty List Page
- Student List Page
- Classroom List Page
- Faculty Payment Calculation Page
- Faculty Home Page
- Update profile page
- Faculty Home Page
- Allocated Student List Page
- Classroom Details Page
- Student Details Page
- Student Home Page
- Show Classroom Details Page
- Show Faculty Details Page

Use Case Diagram
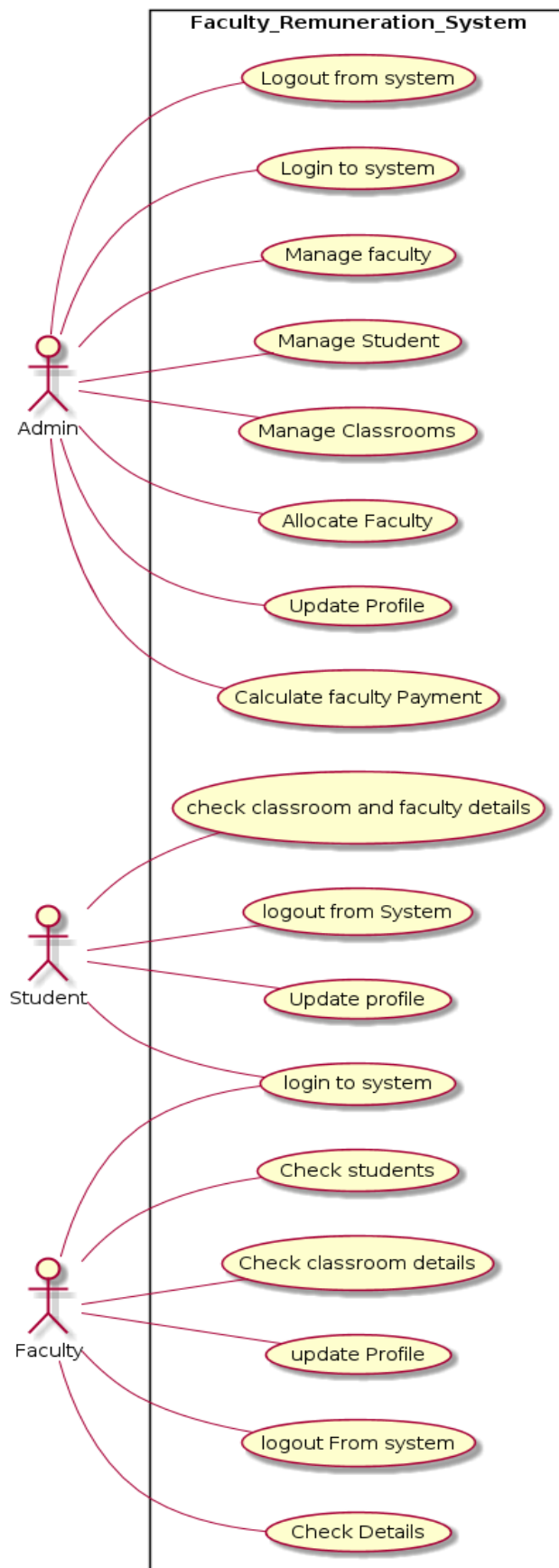
Database Design

Student Table

Id	Int
FirstName	Text
LastName	Text
Address	Text
ContactNo.	Text
Email	Text
Password	Text
ClassroomId	Int (Foreign Key)

Faculty Table

Id	Int
FirstName	Text
LastName	Text
Address	Text
ContactNo.	Text
Email	Text
Password	Text
Experience	Int
Age	Int

Admin Table

Id	Int
FirstName	Text
LastName	Text
Address	Text
ContactNo.	Text
Email	Text
Password	Text

Classroom Table

Id	Int
Name	Text
DateTime	TIMESTAMP
Size	Int
FacultyId	Int (Foreign Key)

UI Design

1. Login Page

2. Admin Home Page

3. Admin Side---Allocate faculty

Faculty remuneration System

Home   Faculty   Student   Classroom   🔍 Search ⊗   Edit Profile Logout

Faculty Allocation Page

Select Faculty Name | select faculty   ▾ |

Select Classroom | select classroom ▾ |

Select Date and Time | select time   ▾ |

Submit   **Cancel**

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4. Admin Side--- Faculty List and other operations

Faculty remuneration System

Home   Faculty   Student   Classroom   🔍 Search ⊗   Edit Profile Logout

Faculty List

Sr No	First Name	Last Name	Address	Contact	Exp	Age	Action		
1	John	Rai	UK	+453789887	10	45	Edit	Delete	Calculate Payment

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5. Admin Side --- Student List

Faculty remuneration System

Home   Faculty   Student   Classroom   🔍 Search ⊗   Edit Profile   Logout

Student List

Sr No	First Name	Last Name	Address	Contact	Classroom	Action	
1	John	Rai	UK	+453789887	Room1	Edit Delete	

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6. Admin Side – Classroom List

Faculty remuneration System

Home   Faculty   Student   Classroom   🔍 Search ⊗   Edit Profile   Logout

Classroom List
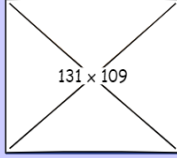
Sr No	Name	Size	Date Time	Action		
1	Room1	50	2020/12/12 12:12:12	Edit	Delete	Add Classroom

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7. Student Home

131 x 109	**Faculty remuneration System**		
	Home Faculty Classroom	🔍 Search ⊗	Edit Profile Logout

Student Home Page

Information about website, picutres

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8. Student Login--- Faculty Details

131 x 109	**Faculty remuneration System**		
	Home Faculty Classroom	🔍 Search ⊗	Edit Profile Logout

Check Allocated Faculty Details

Sr No	First Name	Last Name	Address	Contact	Age	Exp
1	John	Rai	UK	+453789887	45	10

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9. <u>Student Login --- Classroom Details</u>

Faculty remuneration System

Home   Faculty   Classroom   Q Search ⊗   Edit Profile Logout

Check Allocated Classroom Details

Sr No	Name	Date Time
1	Room1	2020/12/12 12:12:12

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10. <u>Faculty Registeration Page</u>

Register

Enter First Name	text	required*
Enter Last Name	text	required*
Enter Address	text	
Enter Contact No.	text	required*
Enter Email	text	required*
Enter Password	**********	required*
Enter Age	Age ▼	
Enter Experience	Experience ▼	

Login   **Cancel**

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Note :

1. **Client side validation is required.**
2. **Only one faculty will be allowed in one classroom.**
3. **Design other remaining pages.**
4. **Please Refer CaseStudy.sql for database tables.**
5. **For UI you have to use AngularJS**.