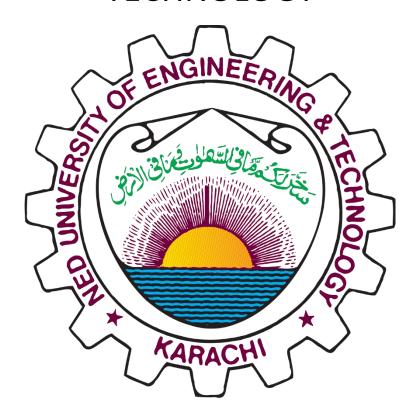
# NED UNIVERSITY OF ENGINEERING AND TECHNOLOGY



# **PROJECT NAME:**

HOSTEL MANAGEMENT SYSTEM

# **PROJECT MEMBERS:**

- 1. RIMSHA SOHAIL (CS-19051)
- 2. AYESHA FAROOQ (CS-19071)

# **DEPARTMENT:**

**COMPUTER SYSTEMS ENGINEERING (2 YEAR)** 

# **PROJECT OVERVIEW**

The hostel management system is software to provide college students accommodation to the university hostel more efficiently. This project also keeps details of the employees and applied students and the rooms. This project is intended to minimize human works and make hostel allocation an easier job for students and hostel authorities by providing an application for hostel, automatically help the students to select the room from hostel if it is not already booked. Students will get approval notification in their mails. Students can hostel fees if the admin show the details to the students. This application not only deals with the students information and the room information whether any student booked the room or not but also have the information of all the employees working in the hostel. Through this great application, the hostel management can see which student is living in which room and which student has left the hostel and there is also a separate table which deals with the current status of employee and also our application contains the previous record of employees who has left the hostel.

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# HOSTEL MANAGEMENT SYSTEM:

# • ENTITIES:

- 1. Student
- 2. Employee
- 3. Room

Instead of Visitor, we use employee entity and we don't include meal and notice board entity. In future, the app can be implemented by adding this two entities to make this application more beneficial.

# APPLICATIONS USED FOR THE DEVELOPMENT OF THIS PROJECT:

1. FRONT END: NETBEANS IDE(JAVASCRIPT)

2. BACKEND: MYSQL, NETBEANS

# OPTIONS IN HOSTEL MANAGEMENT SYSTEM:

#### LOGIN PAGE:

There are two fields one is for username and other one is for password and we set the username as hostel and password as admin. If the user write wrong password, a pop message of incorrect password is being shown. If the user writs right password, the user move into home page.

### **HOME PAGE:**

Consists of different methods like manage rooms, new student, update and delete students etc which we implemented in our project.

### MANAGE ROOMS:

In manage rooms we deals with the rooms which are being booked or not. The admin of hostel can update or delete the rooms by giving a specific room number which is the room id. There is a table below the update or add rooms which shows which rooms are being booked and which are left. There is a active status which shows that if the room is ready for booking, it shows 'Yes' otherwise 'No' is being shown.

### **NEW STUDENT:**

This is used to book a vacant room for a student by filling information like mobile number of student, name, father name, mother name, email, permanent address, college name, card number, room number. If all rooms are being booked, there is application of student to have a room in hostel so a pop message is shown indicating that "ALL ROOMS ARE BOOKED".

### **UPDATE AND DELETE STUDENTS:**

It is basically used to update the information of any student by using update button and to delete a particular record of student from hostel we can use delete button and to clear any information, admin can use clear button. There is a living status which shows whether the student is living or leaved the hostel. By just writing mobile number and clicking on search option, the admin gets whole details of that student and according to the requirement, admin performs the required function.

#### STUDENT FEES:

The student fees shows the amount which the student has to pay in order to live in the hostel. It consists of mobile number, name, email, room number, month ,amount which is being paid. There is a table below the required information which deals with which student paid fees at which particular month. And we don't allow re payment amount for the same month if user does so a message is being displayed "The fees is already being paid".

### All STUDENT LIVING:

This table shows the detail of students living in the hostel at current time.

### **LEAVED STUDENT:**

This table shows the detail of students who left the hostel.

#### **NEW EMPLOYEE:**

This is used to register the new employee in the hostel.

### UPDATE AND DELETE EMPLOYEE:

It is basically used to update the information of any employee by using update button and to delete a particular record of employee from hostel we can use delete button and to clear any information, admin can use clear button. There is a working status which shows whether the employee is working or not working in the hostel. By just writing mobile number and clicking on search option, the admin gets whole details of that employee and according to the requirement, admin performs the required function.

### **Employee Payment:**

In employee payment, we save the details of employee that particular employee get salary. It consists of mobile number, name, email, designation, month, payment amount. This information must have to fill in order to check whether employee gets salary or not. In employee payment, there is a table which shows which employees have gotten their salaries and if a employee have not get any salary, there is nothing in the table of that particular employee.

# All Employee Working:

This table shows the detail of employee working in the hostel at current moment.

### <u>Leaved Employee:</u>

This table shows the detail of employee who left the work from the hostel .

# **OUTPUTS**:

# **SQL TABLES:**

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective mysql> use hostel; Database changed mysql> desc student; +------| Field | Type +----+---+ | Null | Key | Default | Extra | varchar(10)
varchar(200)
varchar(200)
varchar(200)
varchar(200)
varchar(200)
varchar(100)
varchar(100)
varchar(10)
varchar(10)
varchar(20) mobileNo NO YES YES YES YES YES YES YES YES PRI mobileNo name father mother email address college uniqueID roomNo status . 10 rows in set (0.07 sec) mysql> desc employee; | Null | Key | Default | Extra | Field Type | varchar(10) | varchar(200) | varchar(200) | varchar(200) | varchar(200) | varchar(200) | varchar(100) | varchar(100) | varchar(50) mobileNo PRI NO YES YES YES YES YES YES YES mobileNo
name
father
mother
email
address
uniqueID
designation
status nysql> desc fees; Field | Type +----+----+-----+-----+ | Null | Key | Default | Extra | mobileNo | varchar(10) month | varchar(50) amount | varchar(50) NULL NULL rows in set (0.00 sec) ysql> desc payement; | Type Field Default | Extra | mobileNo | varchar(10) month | varchar(50) amount | varchar(50) NULL NULL NULL

ws in set (0.00 sec) ysql> desc payement; | Null | Key | Default | Extra | mobileNo | varchar(10) | YES month | varchar(50) | YES amount | varchar(50) | YES NULL NULL NULL rows in set (0.00 sec) ysql> select \*from student; mobileNo | name | father college mother email address uniqueID roomNo | status 033322267 | kurat 033332222 | Sana 1234567890 | Ayesha 45678 | Mahnoor kurat67@gmail.com sana45@gmail.com ayesha2@gmail.com mahnoor45@gmail.com Bilal SirSyed FORWOMEN sirsyed SunShine living living leaved living karachi Sumaiya Shama shama Shazia | Hamza | Md.Farooq | Ashfaq | Gulshan | gulshan-e-bahar | Liaquat Chock 567 444422224444 678 002 003 003 rows in set (0.07 sec) ysql> select\*from employee; mobileNo | name | father | mother | email | address | uniqueID | designation status 0315897058 | Asma | Shaheer | Hafsa 123 | Aliya | Ibrahim | Sukaina 5577 | Hafsa | Saleem | Kanwal asma23@gmail.com aliya67@gmail.com hafsa87@gmail.com HouseKeeping Accounting and Budgeting Purchasing and Inventry Control Working Not Working Working rows in set (0.00 sec) ysql> Select \*from fees; mobileNo | month | amount | 1234567890 | Sep-2021 | 6000 033332222 | Sep-2021 | 6000 033322267 | Sep-2021 | 6000 rows in set (0.02 sec) nysql> Select \*from payement; mobileNo | month | amount | 0315897058 | Sep-2021 | 10000 123 | Sep-2021 | 10000 5577 | Sep-2021 | 10000 rows in set (0.00 sec) ysql> \_

MySQL 8.0 Command Line Client

### **MANAGE ROOM:**



### **NEW STUDENT:**



### **UPDATE AND DELETE STUDENT**



### **STUDENTFEES**



### STUDENT LIVING



### STUDENT LEAVED



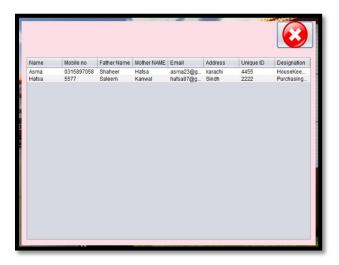
#### **UPDATE AND DELETE EMPLOYEE**



### **NEW EMPLOYEE**



### **EMPLOYEE WORKING**



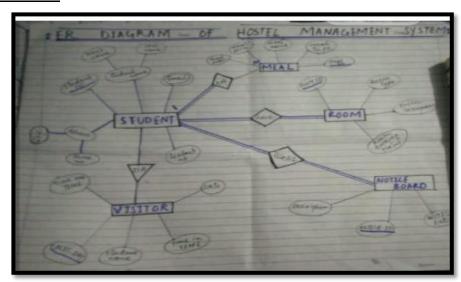
### **EMPLOYEE PAYMENT**



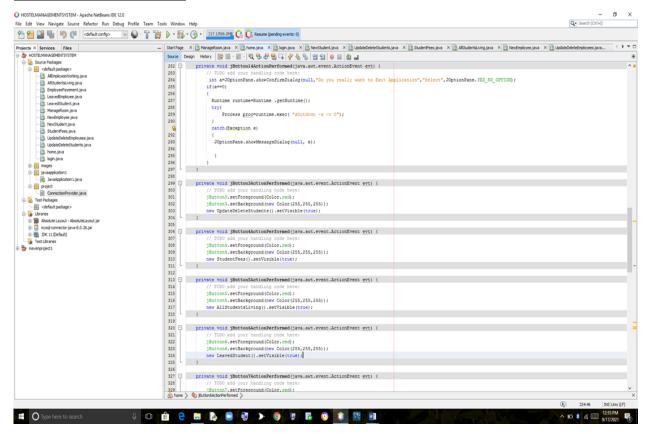
### **EMPLOYEE LEAVED:**



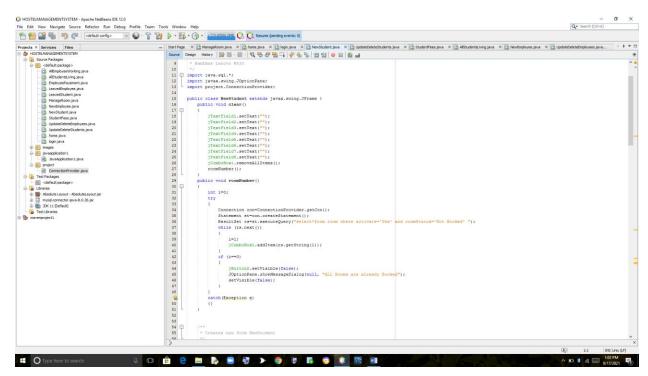
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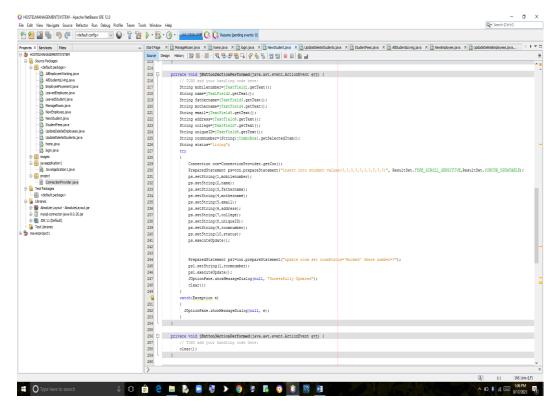


### **HOME PAGE CODES**

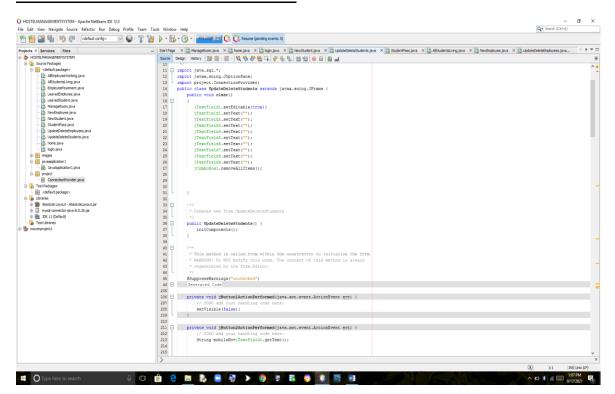


# **NEW STUDENT CODES**



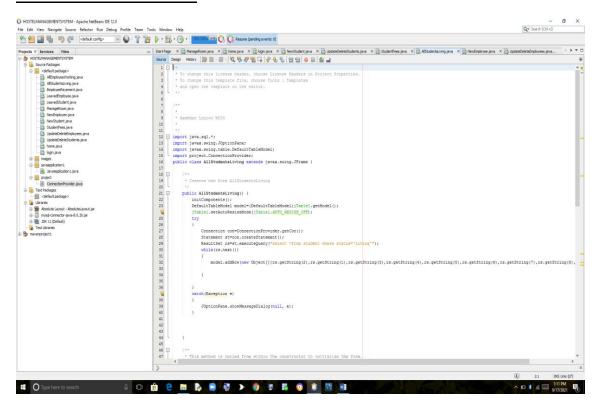


### **UPDATE AND DELETE STUDENTS**



### **STUDENT FEES**

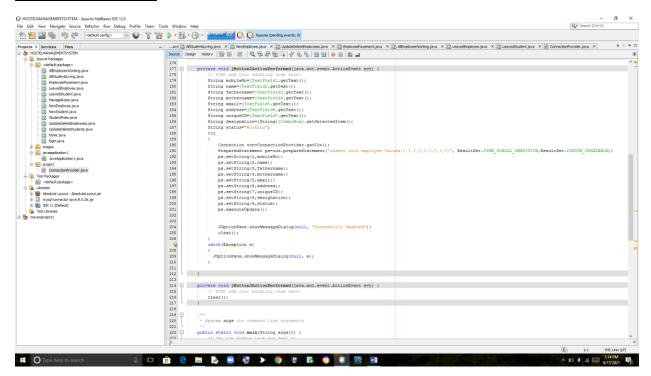
### **ALL STUDENT LIVING**

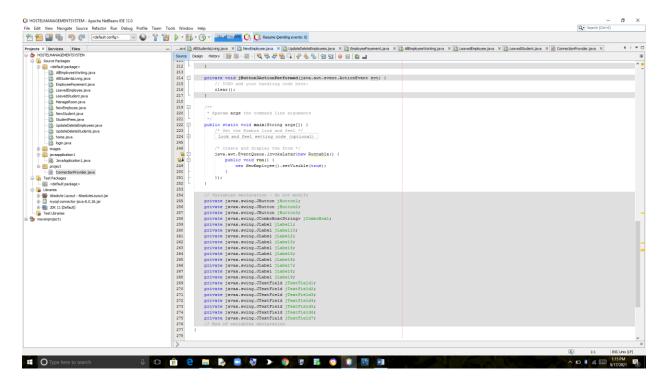


### STUDENT LEAVED

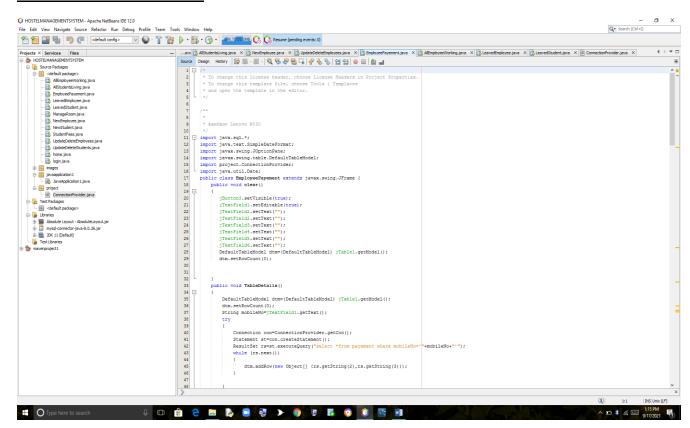
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### **NEW EMPLOYEE**

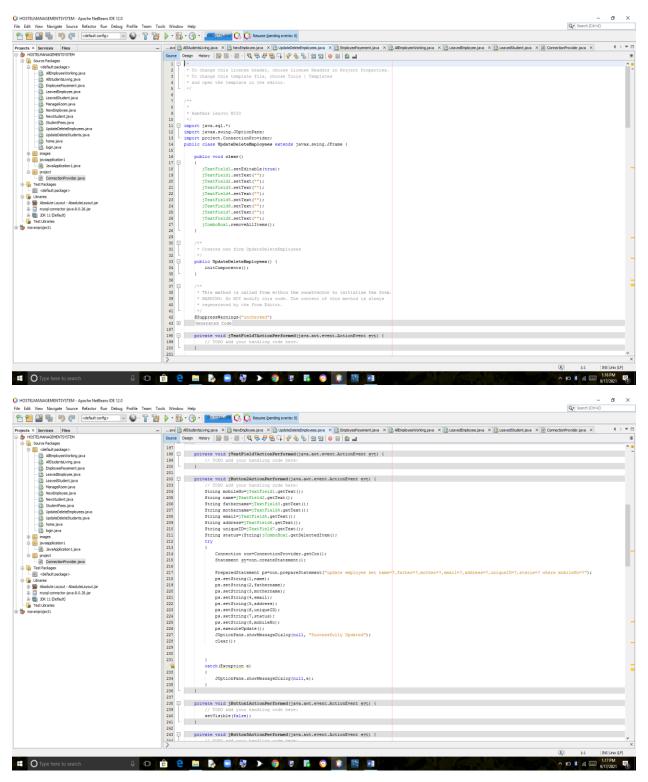




### **EMPOYEE PAYEMENT**



### **UPDATE AND DELETE EMPLOYEE**



HOSTEL MANAGEMENT SYSTEM RIMSHA AND AYESHA CS-19051 AND CS-19071

HOSTEL MANAGEMENT SYSTEM RIMSHA AND AYESHA CS-19051 AND CS-19071