

# Hostel Management System

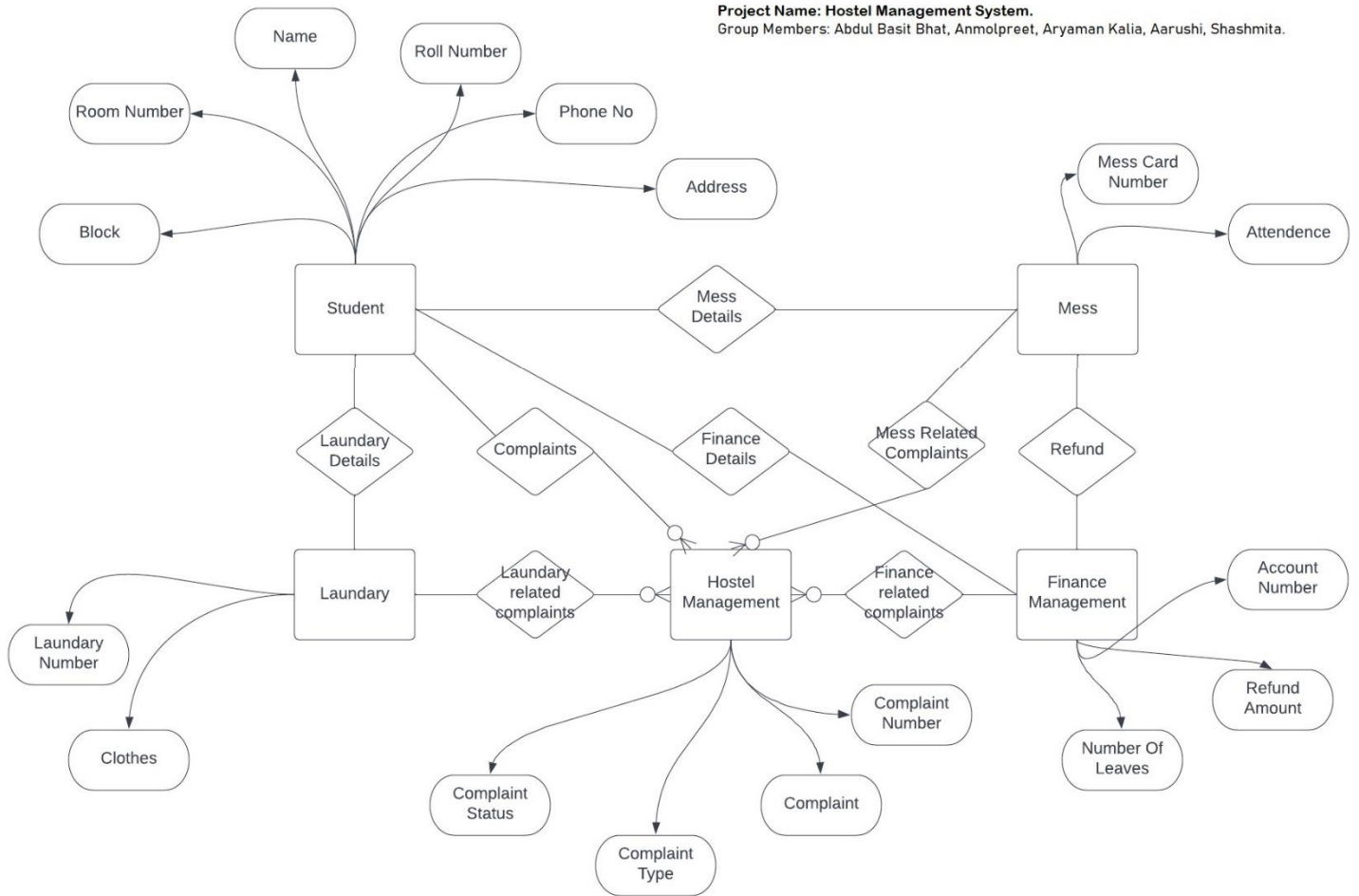
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**Project Name: Hostel Management System.**

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## Hostel Management System

The idea of our project is to create a Hostel Management System. In our project we will be using 5 Entity sets namely

1. Student
2. Mess
3. Laundry
4. Finance Management
5. Hostel Management

**Student:** In student table we will be adding columns like Name, Roll No, Phone No, Block, Room No and Address. This entity set will have relationships like 1 to 1 relationship with Laundry entity named as Laundry Details, 1 to 0 or many relationship with Hostel Management entity named as Complaints. 1 to 1 relationship with Finance Management entity and 1 to 1 relationship with Mess entity. Primary Key: Roll Number.

Mess: This entity set will store data related to Mess card number and Attendance. The same data may be used by finance Management entity for derived attributes like No of leaves and Refund amount. The mess entity will also have a relationship with Hostel Management entity for mess complaints related data. Primary Key: Mess Card Number (Derived from roll Number attribute in Student entity set) Foreign Key: Roll Number reference(Student)

Hostel Management: This entity set contains data related to complaints. It contains attributes like Complaint Number, Complaint Status, Complaint type and complaint. Primary Key: Complaint Number (generated by adding a unique 3 digit number to Roll Number foreign key used from student table) Foreign Key: Roll Number reference(Student)

Finance Management: This entity set contains data related to leaves and refund amount. It uses attributes from mess department to derive the respective data. Primary key: Account number(Generated by adding a prefix to Roll Number attribute from Student table).

Laundry: This entity set contains data related to Laundry card number and clothes given for washing. Primary Key: Laundry Number(generated by Phone Number attribute from Student table).Foreign Key: Roll Number reference(Student)

Note:

1. All of these entity sets are related to main student entity set and hence Student entity set can be used on the client side to get the respective data using appropriate queries.
2. For simplicity we have not indicated foreign key attributes for any entity set.