4SF20CI002 – ABHIJITH MALLYA

4SF20CI040 – MUHAMMED ZAINUDDIN MOOSA

**Problem Statement :**

The following is “**Hostel management system”** which stores information of Students, Beds, Rent , Payments etc. It used to allocate rooms to students and manage the payment system. It also should generate the movement details and food preference veg/non-veg for the administrator(warden).

The main entities of **Hostel Management System** and their attributes:

• **Hostel Entity** : hostel\_id, hostel \_name, hostel\_deposit, hostel\_address.

• **Equipment Entity** : equipment \_id, equipment\_name, equipment\_price, equipment\_room\_id(foreign key).

• **Rooms Entity** : room\_id, room\_floor, room\_type, room\_student\_usn(foreign key).

• **Rent Entity** : rent\_id, rent\_title, rent\_amount, rent\_food, rent\_electricity.

* **Student Entity** : USN, name, mobile, email, username, password, address, student\_hostel\_id(foreign key).

• **Payments Entity** : payment \_id, payment\_student\_usn(foreign key), payment\_date, payment\_amount, payment\_description.

**Description** :

Every hostel has a unique id and details associated with it. We enrol the student details to various rooms of the hostel.

Rooms are of different types with rent associated along with the allotee name.

The allotee is student who has a unique USN and login credentials for accessing his profile.

The student can also view the payment status of the residing room.

The administrator has the access to view the student records such as -

1) Food count for the mess.

2) Pending fees.

3) Change of rooms.

4) Details of room equipments.