Hostel Management System.

Entities and Attributes

Serial Number	Entity Name r	Primary key	Foreign key	Non key attributes
1	Hall	Hall_id integer		Name varchar(20) no_of_employees integer no_of_hostels integer
2	Hostel	hostel_id integer		Name varchar(20) capacity integer no_of_rooms integer no_of_employees integer mess_contractor varchar(2) mess_capacity
3	Student	Sid integer		Name varchar(20) phone integer city varchar(20) state varchar(20) course varchar(10) dept varchar(20) year integer
4	Employee	Eid integer		Name varchar(20) designation varchar(20) salary float
5	Visitors			Name varchar(20) entry_time date exit_time date
6	managed_by (employee-hall)		Eid integer hid integer	
7	belongs_to (hostel-hall)		Hid integer hall_id integer	
8	Resides _in (student-hostel)		Sid integer hid integer	room_no integer
9	controlled_by (employee-hostel)		Eid integer, hid integer	
10	Visits (visitor-student)		v_name varchar(20) entry_time date sid integer	
11	Authorization			Uname unique varchar(20) passwd varchar(20) level integer hoset/hall id integer

Users and Privileges

Level 1:

- View the entire top level information of database(all tables)
- Modify the present account
- Create halls and hall level users
- Modify hall information
- Delete hall level users
- Reset hall level user password

Level 2:

- View entire top level information that come under selected hall
- Modify the present account
- Create Hostels and hostel level users
- Delete hostel level users
- Reset hostel level user level password
- Modify hostel information
- Add and modify student information except room number

Level 3:

- View entire top level information that come under selected hostel
- Modify present account
- Add room number allocated to students
- Visitor information entry