

## **DESCRIPTION**

### **ENTITIES:**

1. Student: Name, Phone no, Roll no, Due fees, Mess availed
2. Hostel Payment: Amount, Start Date, End Date, Roll no
3. Mess Payment: Amount, Start Date, End Date, Roll no
4. Entry/Exit Register: In/out Time, Roll no, Date
5. Room: Floor, Type, Room no
6. Grievances: Roll no, Room no, Id, Description
7. Warden: Name, Age, Gender, Emp\_id, Shift

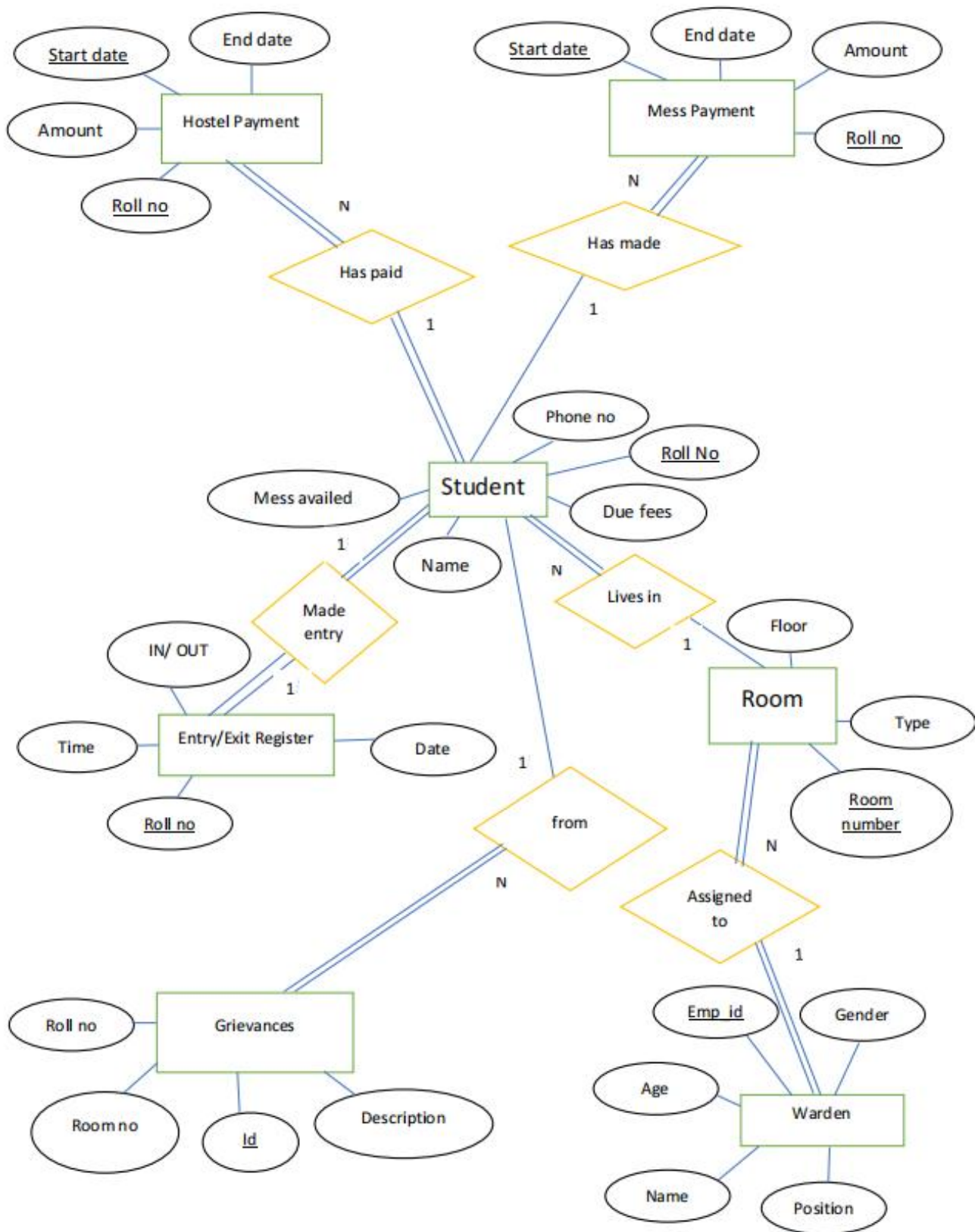
### **WEAK ENTITIES:**

No weak entity

### **THERE IS TOTAL PARTICIPATION OF:**

1. Student and Hostel Payment : as every student has to pay hostel fee
2. Mess Payment for a Student: as mess payment can be done only if there is a student availing mess facility
3. Student and Entry/Exit register: as every student has to do incoming and outgoing
4. Student for a room: as every student lives in a room
5. Room and Warden: as every room is managed by a warden and similarly every warden has to manage some rooms
6. Grievances for student: as grievances exist only when students are there in the hostel

## Entity- Relationship Diagram



## E-R to Relational Mapping

### HOSTEL MANAGEMENT SYSTEM

Page No.

#### STUDENT

NAME	PHONE NO	DUE FEES	MESS AVAILABLE	ROLL NO	ROOM-NO
------	----------	----------	----------------	---------	---------

#### Room

ROOM-NO	TYPE	FLOOR	EMP-ID
---------	------	-------	--------

#### ENTRY/EXIT REGISTER

STU-ROLL-NO	TIME	IN/OUT	DATE
-------------	------	--------	------

#### HOSTEL PAYMENT

START-DATE	ROLL-NO	END-DATE	AMOUNT
------------	---------	----------	--------

#### MESS PAYMENT

START-DATE	ROLL-NO	END-DATE	AMOUNT
------------	---------	----------	--------

#### GRIEVANCES

GRIEVANCES-ID	ROLL-NO	ROOM-NO	DESC
---------------	---------	---------	------

#### WARDEN

EMP-ID	GENDER	AGE	NAME	SHIFT
--------	--------	-----	------	-------



## DATABASE TABLES:

### STUDENT

Roll_No	S_Name	Phone_No	Due_Fees	Mess_Availed	Room_No	Sex
1000	Sarthak Garg	9999097567	3000.00	N	200	M
1003	Ravi Dahiya	7799097567	4300.00	Y	200	M
1005	Kaliya Rajan	8765678876	0.00	N	201	M
1011	Aryan Bhatia	9999097897	200.00	Y	201	M
1012	Bilal Khan	9999097567	3200.00	Y	202	M
1014	Salim Siddique	9999097567	5600.00	N	202	M
1022	Chetan Prakash	8888097567	2120.00	Y	203	M
1023	Walter White	9999097561	400.00	N	300	M
1024	Jesse Pinkman	9999097562	200.00	N	301	M
1025	Saul Goodman	9999097563	0.00	Y	400	M
1026	Hank Scharder	9999097564	3300.00	N	400	M
1027	Skyler White	9999097565	3300.00	N	202	M
1028	Skinny Pete	9999097569	3300.00	N	201	M
1029	Badger	9999097543	3300.00	Y	300	M
1030	Raju	9978097556	3300.00	N	300	M
1031	Shyam	9349097578	3300.00	N	401	M
1032	Baburao Ganp...	9956097598	3300.00	Y	203	M
1033	Devi Prasad	6699097544	3300.00	Y	401	M
1034	Hank Scharder	9999078522	3300.00	N	401	M

### WARDEN

W_id	Gender	Age	W_Name	Shift
100	M	45	Ashok Kumar	Eve
101	F	32	Supriya Kumari	Mor
102	M	36	Balvinder Singh	Eve
103	M	43	Gajendar Dharal	Mor
104	F	43	Anita Khan	Mor

### ROOM

Room_No	Room_Type	Floor_No	W_id
200	A	2	100
201	A	2	100
202	A	2	101
203	A	2	101
300	B	3	102
301	B	3	102
400	C	4	103
401	C	4	103

## H\_PAYMENT

Start_Date	Roll_No	End_Date	Amount
2020-01-22	1011	2021-09-07	20000
2020-01-22	1014	2023-08-07	7000
2020-01-22	1026	2022-10-14	42000
2020-01-22	1034	2021-10-25	69000
2021-01-22	1022	2022-12-06	25000
2022-05-12	1000	2023-09-19	50000

## M\_PAYMENT

	Start_Date	Roll_No	End_Date	Amount
▶	2020-01-22	1014	2021-04-06	7000
	2020-01-22	1022	2021-12-30	2000
	2020-01-22	1026	2022-10-14	200
	2020-01-22	1034	2021-10-25	900
	2021-01-22	1000	2022-10-26	2500
	2021-07-13	1023	2023-09-19	3000

## GRIEVANCES

G_id	Roll_No	Room_No	G_Desc
10	1003	200	ac not working
11	1011	201	no hot water
12	1023	301	window broken
13	1034	203	fan not working
14	1005	400	no door latch