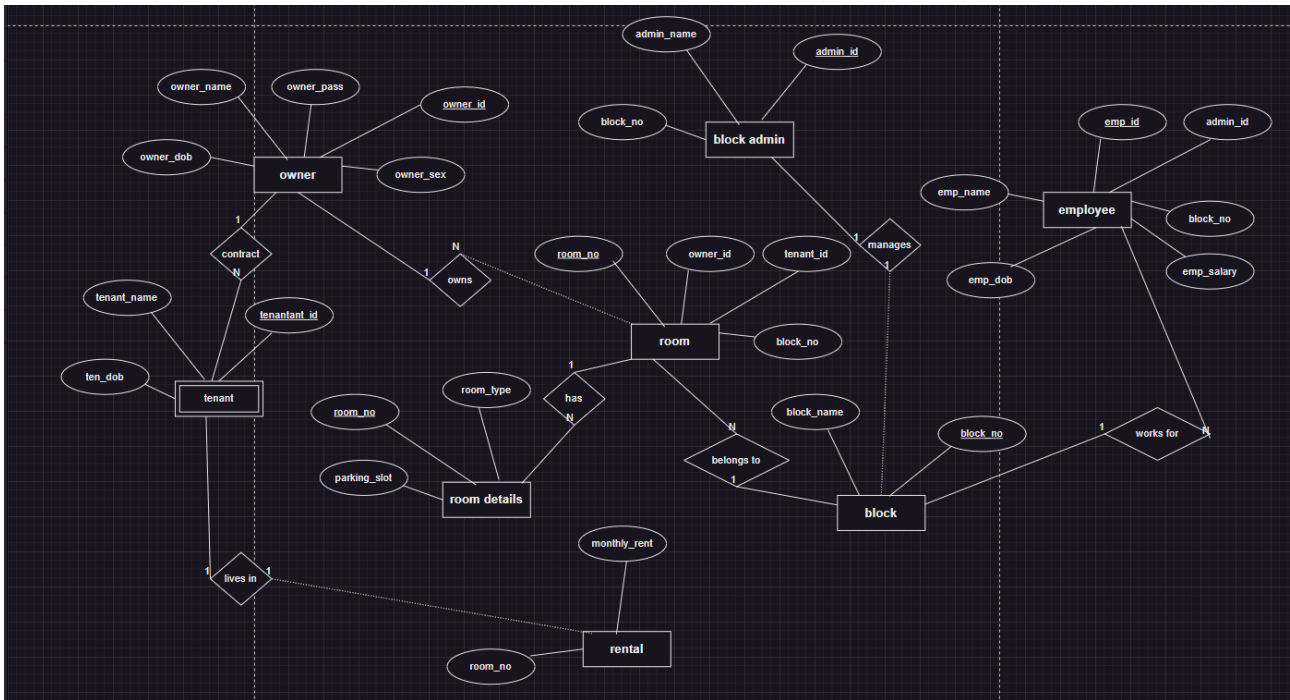




Project Synopsis :

ER Diagram :



Relation Schema :

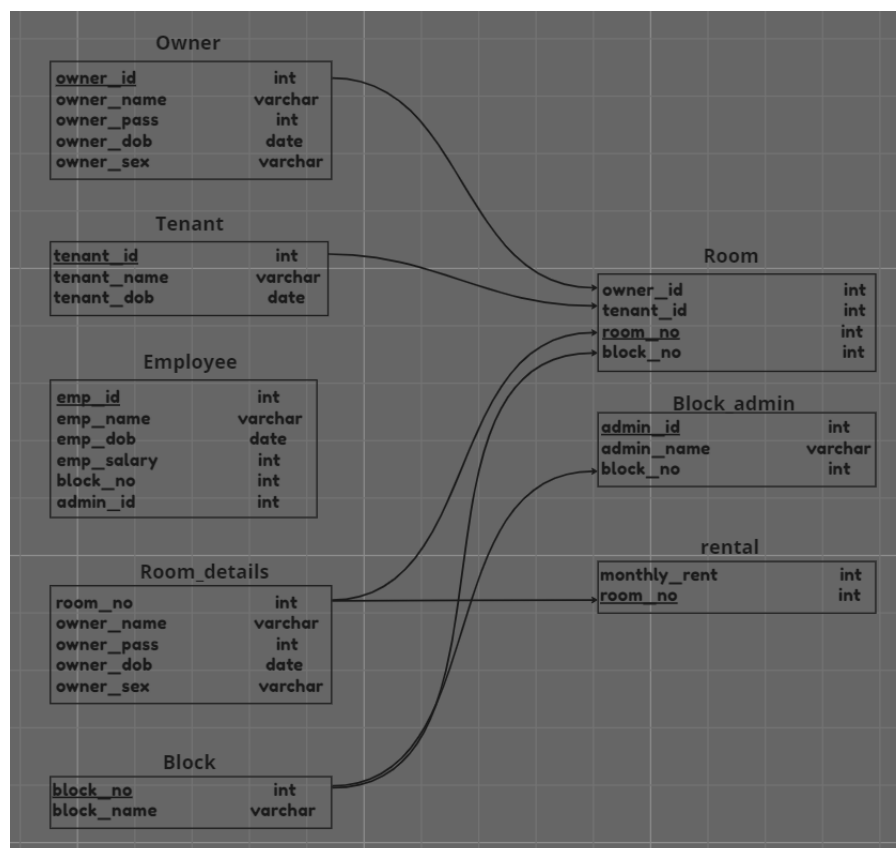


Figure 1:

Individual Contributions :

Shreyas S :

- CRUD operations
- Frontend
- Writing and executing relevant queries

Shriya JK :

- Designing the ER diagram
- Designing the Relation Schema
- Creation of Tables

Siddhant Biradar :

- Designing the Relation Schema
- Database Normalisation
- Populating the Database

Vismay N :

- Database Normalisation
- Creating the Dataset
- Designing the Relation schema

Queries :

- Query 1 :
Sorting employees based on salaries
`SELECT emp_name, emp_salary FROM 'employee' ORDERED BY emp_salary DESC;`

✓ Showing rows 0 - 5 (6 total, Query took 0.0004 seconds.) [emp_salary: 2030... - 1050...]

```
SELECT emp_name,emp_salary FROM `employee` ORDER BY emp_salary DESC;
```

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

☐ Show all | Number of rows: Filter rows:

Extra options

				emp_name	emp_salary
<input type="checkbox"/>				Grief Karga	2030
<input type="checkbox"/>				Taby Muddy	1250
<input type="checkbox"/>				Yur Brooke	1200
<input type="checkbox"/>				Din Djarin	1150
<input type="checkbox"/>				Kit Fisto	1100
<input type="checkbox"/>				Plo Koon	1050

- Query 2 :
Sorting tenant as per their block
`SELECT tenant.tenant_id, tenant.tenant_name, room.room.no, block.block_no FROM tenant, room, block`



WHERE tenant.tenant_id = room.tenant_id AND room.block_no = block.block_no GROUP BY tenant_id;

Showing rows 0 - 14 (15 total, Query took 0.0003 seconds.)

```
SELECT tenant.tenant_id, tenant.tenant_name, room.room_no, block.block_no, block.block_name FROM tenant, room, block WHERE tenant.tenant_id=room.tenant_id AND room.block_no=block.block_no GROUP BY tenant_id;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

tenant_id	tenant_name	room_no	block_no	block_name
22001	Yim Poor	1	1	Tranquil
22002	Jobnot Handy	2	1	Tranquil
22003	Partim Ejob	3	1	Tranquil
22004	Minim Ummonney	4	1	Tranquil
22005	Mybrok Ewaleet	5	1	Tranquil
22006	Timas Techmonney	6	1	Tranquil
22007	Fewcents Plis	7	2	Peace
22008	Dogma House	8	2	Peace
22009	Livcon Streets	9	2	Peace
22010	Altim Epor	10	2	Peace
22011	Acen Jobs	11	2	Peace
22012	Somejo Blegud	12	2	Peace
22013	Gamb Leaddict	13	3	Musical
22014	Altim Ectane	14	3	Musical
22015	Mond Rugs	15	3	Musical

- Query 3 :

Arranging the tenant based on their rent

SELECT tenant.tenant_id, tenant.tenant_name, room.room_no, rental.monthly_rent FROM room RIGHT JOIN tenant ON room.tenant_id = tenant.tenant_id JOIN room.room_no = rental.room_no;

```
SELECT tenant.tenant_id, tenant.tenant_name, room.room_no, rental.monthly_rent FROM room RIGHT JOIN tenant ON room.tenant_id=tenant.tenant_id JOIN rental ON room.room_no=rental.room_no;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

tenant_id	tenant_name	room_no	monthly_rent
22001	Yim Poor	1	600
22002	Jobnot Handy	2	600
22003	Partim Ejob	3	750
22004	Minim Ummonney	4	800
22005	Mybrok Ewaleet	5	600
22006	Timas Techmonney	6	750
22007	Fewcents Plis	7	600
22008	Dogma House	8	500
22009	Livcon Streets	9	600
22010	Altim Epor	10	700
22011	Acen Jobs	11	800
22012	Somejo Blegud	12	890
22013	Gamb Leaddict	13	760
22014	Altim Ectane	14	600
22015	Mond Rugs	15	600
22001	Yim Poor	16	900
22002	Jobnot Handy	17	880
22003	Partim Ejob	18	700

- Query 4 :

3-BHK deluxe flats in block-3

SELECT room_type, room.block_no FROM room_details JOIN room ON room_details.room_no = room.room_no WHERE room.block_no = 3 AND room_details.room_type = "3 BHK deluxe";

Showing rows 0 - 2 (3 total, Query took 0.0002 seconds.)

```
SELECT room_type, room.block_no FROM room_details JOIN room ON room_details.room_no=room.room_no where room.block_no=3 AND room_details.room_type="3 bhk deluxe";
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

room_type	block_no
3 bhk deluxe	3
3 bhk deluxe	3
3 bhk deluxe	3

- Query 5 :

Rent earned by each owner

SELECT owner.owner_name, owner.owner_id, room.room_no, SUM(rental.monthly_rental) FROM owner JOIN room ON owner.owner_id = room.owner_id RIGHT JOIN rental ON rental.room_no GROUP BY owner_id;

Showing rows 0 - 9 (10 total, Query took 0.0088 seconds.)

```
SELECT owner_name, owner.owner_id, room.room_no, SUM(rental.monthly_rent) FROM owner JOIN room ON owner.owner_id=room.owner_id RIGHT JOIN rental ON rental.room_no=room.room_no GROUP BY owner_id;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

owner_name	owner_id	room_no	SUM(rental.monthly_rent)
Ben Meyer	12001	3	2150
Tom Handy	12002	2	600
Justin Time	12003	6	750
Tim Holland	12004	4	2250
Prim Kram	12005	7	1300
Hilmond Jones	12006	5	1480
Dolahan Mine	12007	8	500
Otty Jill	12008	9	600
Prim Elme	12009	10	1600
Yondo Mason	12010	1	1360

- Query 6 :

Total number of each type of room

SELECT room_type, COUNT(room_type) FROM room_details RIGHT JOIN room ON room.room_no =



room_details.room_no GROUP BY room_type;

Showing rows 0 - 2 (3 total, Query took 0.0002 seconds.)

```
SELECT room_type,COUNT(room_type) FROM room_details RIGHT JOIN room ON room.room_no=room_details.room_no GROUP BY room_type;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

room_type	COUNT(room_type)
2 bhk delux	3
3 bhk delux	9
3 bhk normal	6

- Query 7 :

Rooms in each block

SELECT block.block_no, COUNT(room.room_no) FROM block JOIN room ON block.block_no = room.block_no
GROUP BY block.block_no;

Showing rows 0 - 2 (3 total, Query took 0.0005 seconds.)

```
SELECT block.block_name,count(room.room_no) FROM block JOIN room ON block.block_no=room.block_no GROUP BY block.block_no;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

block_name	count(room.room_no)
Tranquil	6
Peace	6
Musical	6

- Query 8 :

list of employees born between 1991-1999

SELECT emp_id, emp_name, emp_DOB FROM employee WHERE emp_DOB > '1990-03-05' AND emp_DOB < '1999-07-03' ;

Showing rows 0 - 2 (3 total, Query took 0.0005 seconds.)

```
SELECT emp_id,emp_name,emp_DOB FROM employee WHERE emp_DOB > '1990-03-05' AND emp_DOB < '1999-07-03';
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	emp_id	emp_name	emp_DOB
<input type="checkbox"/> Edit Copy Delete	1	Yur Brooke	1992-03-01
<input type="checkbox"/> Edit Copy Delete	2	Taby Muddy	1998-01-10
<input type="checkbox"/> Edit Copy Delete	5	Din Djarin	1991-05-05

- Query 9 :

Total parking slots for each room type

SELECT room_type, COUNT(parking_slot) FROM room_details GROUP BY room_type;

Showing rows 0 - 2 (3 total, Query took 0.0005 seconds.)

```
SELECT room_type,count(parking_slot) FROM room_details GROUP BY room_type;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key:

Extra options

	room_type	count(parking_slot)
<input type="checkbox"/> Edit Copy Delete	2 bhk delux	3
<input type="checkbox"/> Edit Copy Delete	3 bhk delux	9
<input type="checkbox"/> Edit Copy Delete	3 bhk normal	6

- Query 10 :

Femal owner who own 3 BHK delux rooms

SELECT owner.owner_id, owner.owner_name, room_type FROM owner JOIN room ON room.owner_id =



owner.owner_id RIGHT JOIN room_details.room_no WHERE owner.owner_sex = "Female" AND room_type = "3 BHK deluxe" GROUP BY owner_name;

Showing rows 0 - 3 (4 total, Query took 0.0003 seconds.)

```
SELECT owner.owner_id,owner_name,room_type FROM owner JOIN room ON room.owner_id=owner.owner_id RIGHT JOIN room_details ON room_details.room_no=room.room_no WHERE owner_sex='Female' AND room_type='3 bhk deluxe' GROUP BY owner_name;
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

owner_id	owner_name	room_type
12006	Hilmond Jones	3 bkh deluxe
12009	Prim Elime	3 bkh deluxe
12005	Prim Kran	3 bkh deluxe
12010	Yondo Mason	3 bkh deluxe