

hospital management project

"Understanding Hospital Management Database Relationships"



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| --- | --- | --- | --- |
| S. NO | ENTITES | ATTRIBUTES | RELATION |
| 1 | Admin | User Id | Admin appoints staff |
|  |  | User Name |  |
| 2 | Staff | Staff id | Staff facilitate execution of all the task |
|  |  | First name |  |
|  |  | Last name |  |
|  |  | Designation |  |
| 3 | Doctor | Doctor id | A doctor attends in/out patients |
|  |  | Staff id |  |
|  |  | Doctor name |  |
|  |  | Specialization |  |
| 4 | In patient | Admission id | Inpatient is given treatment/medical services |
|  |  | Admission date |  |
|  |  | Patient name |  |
|  |  | Patient id |  |
|  |  | Gender |  |
| 5 | Room | Room id | The room governs by a nurse |
|  |  | Room no |  |
|  |  | Room charge |  |
| 6 | In patient services | Admission id | In patient services generate bill |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Service name |  |
| 7 | In patient bill | Payment id | In patient bill is paid by patient to cashier |
|  |  | Admission id |  |
|  |  | Total amount |  |
| 8 | Out patient | Patient id | Out patient is discharged by doctor |
|  |  | Patient name |  |
|  |  | Doctor id |  |
|  |  | Doctor name |  |
| 9 | Out patient bill | Patient id | Out patient bill is paid by patient’family to the cashier |
|  |  | Payment id |  |
|  |  | Total amount |  |
|  |  | Doctor id |  |
| 10 | Appointment | Appointment id | Appointment is given to in patient by receptionists |
|  |  | Appointment date |  |
|  |  | Appointment time |  |
|  |  | Patient id |  |
|  |  | Patient name |  |
|  |  | Doctor id |  |
|  |  | Doctor name |  |
| 11 | Prescription | Patient id | Prescription is given to out patient by doctor |
|  |  | Medicine id |  |
|  |  | Medicine name |  |
|  |  | Dosage |  |
|  |  | Time |  |
|  |  | Days |  |
|  |  | Category |  |
|  |  | Treatment date |  |
| 12 | Treatment | Treatment id | Treatment is provided by doctor |
|  |  | Treatment date |  |
|  |  | Treatment number |  |
|  |  | Fees |  |
|  |  | Material list |  |
|  |  | Patient id |  |
|  |  | Treatment1, 2, ….n |  |
| 13 | Medicine | Medicine id | Treatment includes medicine |
|  |  | Medicine name |  |
|  |  | Usage |  |
|  |  | Caution |  |
|  |  | Amount |  |
| 14 | Nurse | Nurse id | Nurse governs rooms |
|  |  | Nurse name |  |
|  |  | Patient id |  |
|  |  | Phone number |  |
|  |  | Email |  |
| 15 | Receptionists | Receptionists id | Receptionist gives appointments |
|  |  | Receptionists name |  |
|  |  | Staff id |  |
|  |  | Contact no |  |
| 16 | Salary | Salary id | Salary is provided by cashier |
|  |  | Staff id |  |
|  |  | Amount |  |
| 17 | Medical record | Record id |  |
|  |  | Patient id |  |
|  |  | Diagnosis |  |
|  |  | Treatment id |  |
|  |  | Discharge date/time |  |
| 18 | Cashier | Cashier id | The cashier provides salary to the doctor and collects amounts from in/out patients |
|  |  | Staff id |  |
|  |  | Role |  |
|  |  | Cashier name |  |

**Database Overview:**

**1. STAFF**

Contains information about the hospital staff.

Each staff member is uniquely identified by their STAFF\_ID.

**2. ADMIN**

Stores administrative user information.

Linked to the STAFF table via the STAFF\_ID foreign key.

**3. DOCTOR**

Stores data about the doctors working in the hospital.

Linked to the STAFF table through the STAFF\_ID foreign key.

**4. PATIENT**

Contains details of patients admitted to the hospital.

Links to other tables such as ROOM and CASHIER using foreign keys.

**5. NURSE**

Stores information about nurses working in the hospital.

Connected to the STAFF table through the STAFF\_ID foreign key.

**6. MEDICINE**

Contains data about the medicines available in the hospital.

Used in prescribing medication to patients.

**7. ROOM**

Stores details of rooms available in the hospital.

Linked to the NURSE table through the NURSE\_ID foreign key.

**8. IN\_PATIENT**

Contains information about patients admitted to the hospital.

Connected to various tables like DOCTOR, MEDICINE, and ROOM.

**9. IN\_PATIENT\_SERVICES**

Stores details of services provided to in-patients.

Linked to the IN\_PATIENT table using the ADMISSION\_ID foreign key.

**10. CASHIER**

Contains information about hospital cashiers.

Linked to the STAFF table via the STAFF\_ID foreign key.

**11. IN\_PATIENT\_BILL**

Stores billing information for in-patients.

Linked to the CASHIER and IN\_PATIENT\_SERVICES tables.

**12. PRESCRIPTION**

Contains data about prescriptions given to patients.

Linked to the PATIENT and DOCTOR tables.

**13. OUT\_PATIENT**

Stores details of patients who visit the hospital but are not admitted.

Connected to the DOCTOR and PRESCRIPTION tables.

**14. OUT\_PATIENT\_BILL**

Stores billing information for out-patients.

Linked to the CASHIER table.

**15. RECEPTIONISTS**

Contains details of hospital receptionists.

Linked to the STAFF table via the STAFF\_ID foreign key.

**16. APPOINTMENT**

Stores information about patient appointments.

Linked to the DOCTOR, PATIENT, and RECEPTIONISTS tables.

**17. TREATMENT**

Contains data about treatments provided to patients.

Linked to the DOCTOR and PATIENT tables.

**18. SALARY**

Stores information about staff salaries.

Linked to the STAFF table through the STAFF\_ID foreign key.

**19. MEDICAL\_RECORD**

Contains medical records of patients.

Linked to the PATIENT and DOCTOR tables.