|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Entity | Attribute | Data Type | Length | Key (PK/FK) | FK Entity | Constraint | Description |
| CheckUp | checkUpID | int |  | PK |  |  | Patients Medical Checkup ID |
|  | patientID | varchar | 6 | FK | Patient |  |  |
|  | doctorID | varchar | 6 | FK | Doctor |  |  |
|  | conditionID | varchar | 3 | FK | MedicalRecord |  |  |
|  | time | timestamp |  |  |  | Format – time & Date | Time/Date of CheckUp |
|  |  |  |  |  |  |  |  |
| Patient | patientID | varchar | 6 | PK |  |  | ID of Patient |
|  | pFirstName | nvarchar | 40 |  |  |  |  |
|  | pSurname | nvarchar | 40 |  |  |  | Patient Details |
|  | roomNumber | nchar | 4 |  |  |  |  |
|  | dob | Date |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| MedicalRecord | conditionID | varchar | 3 | PK |  |  | ID of medical conditions which a patient have |
|  | medicalCondition | Varchar | 20 |  |  |  | Medical Condition name |
|  | servID | nchar | 3 | FK | MedicalService |  |  |
|  |  |  |  |  |  |  |  |
| Doctor | doctorID | varchar | 6 | PK |  |  | ID of doctor |
|  | dFirstName | nvarchar | 40 |  |  |  |  |
|  | dSurname | nvarchar | 40 |  |  |  | Doctors Information |
|  | office | nchar | 5 |  |  |  |  |
|  | address | nvarchar | 30 |  |  |  |  |
|  | suburb | Varchar | 15 |  |  |  |  |
|  | city | varchar | 15 |  |  |  |  |
|  | dob | date |  |  |  |  | Date of Birth |
|  |  |  |  |  |  |  |  |
| Visitation | visitationID | Varchar | 3 | PK |  |  | ID of visitation,  Visitation details |
|  | patientID | varchar | 6 | FK | Patient |  |  |
|  | relativeID | Varchar | 6 | FK | Relative |  |  |
|  | visitTime | Timestamp |  |  |  |  | Visit Time |
|  |  |  |  |  |  |  |  |
| Relative | relativeID | Varchar | 6 | PK |  |  | ID of relative |
|  | rFirstName | nvarchar | 40 |  |  |  |  |
|  | rSurname | nVarchar | 40 |  |  |  | Relative info |
|  | rAddress | nVarchar | 30 |  |  |  |  |
|  | rSuburb | Varchar | 15 |  |  |  |  |
|  | rCity | Varchar | 15 |  |  |  |  |
|  | contact | varchar | 12 |  |  |  |  |
|  |  |  |  |  |  |  |  |
| MedicalService | servID | nchar | 3 | PK |  |  | Medical Service ID |
|  | servName | Varchar | 40 |  |  |  | Medical Service details |
|  | servType | Varchar | 25 |  |  |  |  |
|  | servAddress | nVarchar | 30 |  |  |  |  |
|  | servSuburb | Varchar | 15 |  |  |  |  |
|  | servCity | Varchar | 15 |  |  |  |  |
|  | servContact | varchar | 12 |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Contact | doctorID | varchar | 6 |  |  |  |  |
|  | contactType | Enum |  |  |  | Contact Types are after-hours and work-hours | Contact details of a doctor |
|  | phoneNumber | varchar | 12 |  |  |  | Indexing doctorID & phoneNumber |
|  |  |  |  |  |  |  |  |
| ActivityLog | logID | Int |  | PK |  |  | Activity log ID |
|  | activityID | nVarchar | 3 | FK | Activity |  |  |
|  | patientID | varchar | 6 | FK | Patient |  |  |
|  | companionID | varchar | 6 | FK | Companion |  |  |
|  | date | Date |  |  |  | Format – Date | Patient activities done with companion |
|  | startTime | Time |  |  |  | Format – Time |  |
|  | endTime | time |  |  |  | Format - Time |  |
|  |  |  |  |  |  |  |  |
| Carer | carerID | varchar | 6 | PK |  |  | ID of Carer |
|  | cFirstName | nVarchar | 40 |  |  |  |  |
|  | cSurname | nVarchar | 40 |  |  |  | Carer Details |
|  | cContact | Varchar | 12 |  |  |  |  |
|  | cAddress | nVarchar | 30 |  |  |  |  |
|  | cSuburb | Varchar | 15 |  |  |  |  |
|  | cCity | Varchar | 15 |  |  |  |  |
|  | dob | date |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| CareLog | cLogID | nchar | 5 | PK |  |  | Care log ID |
|  | patientID | varchar | 6 | FK | Patient |  |  |
|  | carerID | varchar | 6 | FK | Carer |  |  |
|  | date | Date |  |  |  | Format - Date |  |
|  | startTime | Time |  |  |  | Format – Time | Recorded details of patients with the Carer. |
|  | endTime | Time |  |  |  | Format – Time |  |
|  |  |  |  |  |  |  |  |
| Activity | activityID | nVarchar | 3 | PK |  |  | Id of activity |
|  | activityDescription | varchar | 50 |  |  |  | Activities such as exercising, chess board games |
|  |  |  |  |  |  |  |  |
| Skill | companionID | varchar | 6 |  |  |  |  |
|  | skill | varchar | 50 |  |  |  | Index Skill names |
|  |  |  |  |  |  |  |  |
| Companion | companionID | varchar | 6 | PK |  |  | ID of companion |
|  | firstName | nVarchar | 40 |  |  |  |  |
|  | surname | nVarchar | 40 |  |  |  |  |
|  | address | nVarchar | 30 |  |  |  | Companion details |
|  | suburb | Varchar | 15 |  |  |  |  |
|  | city | Varchar | 15 |  |  |  |  |
|  | dob | date |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| ConsentDocumentation | consentID | Varchar | 6 |  |  |  | ID of consent |
|  | consentLocation | Varchar | 150 |  |  |  | Consent Files Link, INDEX(consentID,consentLocation) |
|  | consentType | ENUM |  |  |  | Consent Types are online, written |  |
|  |  |  |  |  |  |  |  |
| Consent | consentID | Varchar | 6 |  |  |  | ID of Consent, INDEX |
|  | consentTime | Timestamp |  |  |  | Format - Timestamp |  |
|  | consentStatus | Enum |  |  |  | Consent Status are stopped, withdrawn, given | Consent Details |

Note: Skill, Consent, ConsentDocumentation, Contact are indexed