**Healthcare Management System (HMS)**

Database:-

**Users:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| user\_id | Int | Y | - | Pk |
| name | char(45) | Y | - | - |
| email | char(255) | Y | - | unique |
| password | char(255) | Y | - | - |
| dob | date | N | - | - |
| contact | char(10) | Y | - | unique |
| address | varchar(500) | N | - | - |
| profile\_pic | char(255) | N | - | - |
| status\_id | int | Y | - | Fk |
| user\_type\_id | int | Y | - | Fk |
| Activation\_code | char(255) | N | - | - |

**Pharma\_companies**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| pharma\_company\_id | Int | Y | - | Pk |
| user\_id | int | Y | - | Fk |
| Details | Varchar(500) | Y | - | - |
| License | char(255) | Y | - | - |

**medicines:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| Medicine\_id | Int | Y | - | Pk |
| pharma\_company\_id | Int | Y | - | Fk |
| Name | char(100) | Y | - | - |
| Description | varchar(500) | Y | - | - |
| Ingredients | varchar(500) | Y | - | - |
| Effective\_bodypart | char(100) | Y | - | - |
| Side\_effects | char(100) | Y | - | - |
| Warnings | char(100) | Y | - | - |

**Medicine\_formats**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| medicine\_format\_id | Int | Y | - | Pk |
| Medicine\_id | Int | Y | - | Fk |
| Format\_id | int | Y | - | Fk |

**Medicine\_denominations**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| medicine\_denomination\_id | Int | Y | - | Pk |
| Medicine\_format\_id | Int | Y | - | Fk |
| quantity | int | Y | - | - |
| unit\_id | int | Y | - | Fk |

**Doctors:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| Doctor\_id | Int | Y | - | Pk |
| user\_id | int | Y | - | Fk |
| Gender | char(1) | N | - | - |
| Specialization\_id | int | N | - | Fk |
| Qualification | char(100) | N | - | - |
| Experience | Int | N | Null | - |
| Certificate | char(255) | - | Null | - |

licence certificate

**clinics**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| clinic\_id | Int | Y | - | Pk |
| Doctor\_id | Int | Y | - | Fk |
| address | Varchar(500) | Y | - | - |
| city\_id | int | Y | - | Fk |
| contact | char(10) | Y | - | - |
| Consultation\_fee | int | Y | - | - |

**Clinic\_shifts**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| clinic\_shift\_id | Int | Y | - | Pk |
| Clinic\_id | Int | Y | - | Fk |
| Start\_time | Time | Y | - | - |
| End\_time | Time | Y | - | - |
| Max\_appointment | Int | Y | - | Cheak(Max\_aptm) |

**Clinic\_days**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| clinic\_day\_id | Int | Y | - | Pk |
| Clinic\_id | Int | Y | - | Fk |
| day\_id | int | Y | - | Fk |

**Clinic\_pics**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| clinic\_pic\_id | Int | Y | - | Pk |
| Clinic\_id | Int | Y | - | Fk |
| pic\_path | char(255) | Y | - | - |

**Patients:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| Patient\_id | Int | Y | - | Pk |
| user\_id | int | Y | - | Fk |
| Gender | char(1) | Y | - | - |
| Blood\_group | char(5) | Y | - | - |
| Weight | float | Y | - | - |
| Height | Int | Y | - | - |
| uid | char(12) | Y | - | - |

**Appointments**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| appointment\_id | Int | Y | - | Pk |
| patient\_id | Int | Y | - | Fk |
| appointment\_date | date | Y | - | - |
| clinic\_shift\_id | int | Y | - | Fk |
| status\_id | int | Y | - | Fk |

**Prescriptions**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| prescription\_id | Int | Y | - | Pk |
| appointment\_id | Int | Y | - | Fk |
| medicine\_denomination\_id | int | Y | - | Fk |
| dosage | char(50) | Y | - | - |

**formats:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| format\_id | Int | Y | - | Pk |
| name | char(25) | Y | - | - |

tablets,capsule,injection ……

**units:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| unit\_id | Int | Y | - | Pk |
| name | char(15) | Y | - | - |

mcg,mg,ml,gram ……

**states:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| state\_id | Int | Y | - | Pk |
| name | char(45) | Y | - | - |

MP, UP, Mh ……

**cities:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| city\_id | Int | Y | - | Pk |
| name | char(45) | Y | - | - |
| state\_id | int | Y | - | Fk |

Jabalpur, Indore ……

**status:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| status\_id | Int | Y | - | Pk |
| name | char(15) | Y | - | - |

Appointed, Treated, Visited, Cancelled ……

**Specializations:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| specialization\_id | Int | Y | - | Pk |
| name | char(45) | Y | - | - |

neurologist, cardiologist……

**Days:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| day\_id | Int | Y | - | Pk |
| name | char(15) | Y | - | - |

monday, tuesday …..

**User\_types -:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Datatype | Not Null | Default | Constraint |
| user\_type\_id | Int | Y | - | Pk |
| type | char(15) | Y | - | - |

Patient,doctor,pharma company

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