**E DIAGNOSTIC LAB MANAGEMENT SYSTEM**

**Table design**

Login

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No: | Field name | Datatype | Key constraints | Description |
| 1 | Username | Varchar(50) | Not Null | User name name for login |
| 2 | password | varchar(50) | Not Null | password |

User

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No: | Field name | Data type | Key constraints | Description |
| 1 | Userid | int | Primary key | Unique identifier for user |
| 2 | Username | varchar(50) | Not Null | User name for login |
| 3 | password | varchar(50) | Not Null | password |
| 4 | email | varchar(50) | Not Null | email |
| 5 | Phonenumber | int | Not Null | Contactnumber |
| 6 | Role | Enum(Patient,Staff) | Not null | Indicates whether the user is patient or staff. |
| 7 | Full name | Varchar(50) | Not Null | Full name of user |
| 8 | Address id | int | Foreign Key | References to the address of user |

Appointments

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No: | Field name | Data type | Key constraints | Description |
| 1 | Appoinmentid | int | Primary key | Unique identifier for each appoinment |
| 2 | userid | int | foreignkey | Referenced to the user who booked |
| 3 | Appoinment\_date | dateTime | Not Null | Date and time for appoinment |
| 5 | Appoinment\_type | varchar(50) | Not Null | Online/Offline |
| 6 | Testid | int | Foreign key | Referenced to the test booked |
| 7 | Prescription | FileField | Not Null | Patient’s prescription regarding test |
| 8 | Additional\_Testid | int | Foreign key | Referenced to additional the test booked |
| 9 | Location\_id | int | Foreign Key | Referenced to the location for sample collection |

Test

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No: | Field name | Data type | Key constraints | Description |
| 1 | Testid | int | Primary Key | Unique  identifier for each test |
| 2 | TestName | varchar(50) | Not Null | Name of test |
| 3 | Cost | decimal | Not Null | Cost of test |

Address

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No: | Field name | Data type | Key constraints | Description |
| 1 | Addressid | int | Primary key | Unique identifier for each address |
| 2 | userid | int | Foreign key | Referencing the user associated with the address |
| 3 | Streetaddress | varchar(50) | Not Null | Street Address |
| 4 | city | Varchar(50) | Not Null | City of user |
| 6 | Postalcode | Varchar(50) | Not Null | Postal code of user |

Payment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No: | Field name | Data type | Key constraints | Description |
| 1 | Paymentid | int | Primary key | Unique identifier for payment |
| 2 | Appoinmentid | int | foreignkey | References appoinment associated with payment |
| 3 | Paymentdate | Datetime | Not Null | Date and time of payment |
| 4 | Amount(test+service) | decimal | Not Null | Amount payed |
| 5 | Razorpay\_id | varchar(50) | Not Null | Gateway id of payment |
| 6 | Userid | int | Foreign Key | References to the user who doing payment |

Location

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No: | fieldname | Datatype | Key Constraints | Description |
| 1 | Locationid | int | Primary Key | Unique identifier for a location |
| 2 | Distance | Decimal | Not Null | Distance from lab to locations for selecting sample |
| 3 | Address | Text | Not Null | Address of the selected Location |
| 4 | Latitude | Varchar(50) | Not Null | Latitude of the selected location |
| 5 | Longitude | Varchar(50) | Not Null | Logitude of the selected location |

Patient

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No: | fieldname | Datatype | Key constraints | Description |
| 1 | patientid | int | Primary Key | Unique identifier for patient |
| 2 | appoinmentid | int | Foreign key | References tothe appoinment |
| 3 | pname | Varchar(50) | Not Null | Patient Name |
| 4 | age | int | Not Null | Patient age |
| 5 | gender | Enum(male,female,others) | Not Null | Patient gender |

Review

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No: | fieldname | Datatype | Key constraints | Description |
| 1 | reviewid | int | Primary Key | Unique identifier for a review |
| 2 | comment | Text | Not Null | Review by a user |
| 3 | rating | int | Not Null | Rating by a user |
| 4 | Created\_at | dateTime | Not Null | Date and time of review created |
| 5 | userid | int | ForeignKey | Referenced to the user who make review |