**Data Dictionaries**

|  |  |  |  |
| --- | --- | --- | --- |
| column | Type | Description | Example |
| Id (pk) | int(11) | Unique key to identify  each user | 1876534279 |
| username | Varchar(15) | username for log in to  system | John0802 |
| auth\_key | Varchar(32) | key to remember  username and  password | PdNfV2HWtL5efmYKS  wN3kWnF97Bz2rEl |
| password\_hash | Varchar(60) | generate hash for  password | $2y  $13$QtBx5UYoH3Fg9S  lp2X8d7eHpxswuy4zZ/  VWfHgs2kXDnr8HXhZo  BC |
| password\_reset\_token | Varchar(43) | token for user to reset  password | S\_f7X10B83mpMaLBYz7H\_  TNv7q-  Ta6j\_1497180423 |
| email | Varchar(60) | email address that user  use for register to  system | abc@gmail.com |
| created\_at | Date | date of new username  is created | 01/03/2017 |
| updated\_at | Date | date of user update  username or password | 23/12/2017 |
| role | Smallint(2) | role to distinguish user  type | 10 = donor  20 = patient |

**User : Contains general information of a User**

**Pk(primary key) , FK(foreign key)**

**Donor: Contains general information of a Donor**

|  |  |  |  |
| --- | --- | --- | --- |
| Column | Type | Description | Example |
| d\_id(PK) | Int(11) | Unique key to identify donor | **1** |
| d\_name | Varchar(50) | Name and surname of donor | Alexander washington |
| d\_dob | Date | Donor’s date of birth | 02/10/2001 |
| d\_age | Int(2) | Donor’s age | 25 |
| d\_addr | Varchar(200) | Address od donor | 424 trapha bkk 1200025 |
| d\_gender | Varchar(6) | Gender of donor | Male,female |
| d\_phone | Int(10) | Contact number of donor | 9438227836 |
| blood\_type | Text(3) | Blood type of donor | AB |
| type\_rh | Varchar(10) | Identify special type of blood | Rh positive ,Rh negative |
| Medical\_certificate  \_submitted | varchar(3) | Has the donor  Submitted his/her medical certificate | ‘YES’ or ‘NO’ |

**Pk(primary key) , FK(foreign key)**

**Blood Donation: Contains blood donation information of each donor**

|  |  |  |  |
| --- | --- | --- | --- |
| Column | Type | Description | Example |
| b\_id(PK) | Int(10) | Unique key to identify each donation | 1234567890 |
| d\_id(FK) | Int(11) | Unique key to identify donor | 1 |
| h\_id(FK) | Int(10) | Unique key to identify hospital | 3257865235 |
| bloodbag\_id(FK) | Int(10) | Unique key to identify each bag | 128 |
| blood\_qty | Int(2) | A unit of blood donate per time | 1(units) |
| donor\_date | Date | Donation date | 17/04/2019 |
| blood\_type | Varchar(3) | Blood type of donor | AB |
| type\_rh | Varchar(10) | Identify special type of blood | Rh positive,  Rh negative |

Pk(primary key) , FK(foreign key)

**Inventory: Contains the inventory information**

|  |  |  |  |
| --- | --- | --- | --- |
| Column | Type | Description | Example |
| bloodbag\_id (PK) | varchar(10) | generate id to identify  blood bag | 1109746001 |
| blood\_type | Varchar(3) | blood type of donor | AB |
| blood\_volume | int(3) | Amount of blood in  each bag | 150 (cc) |
| expire\_date | Date | date of blood expire | 24/04/2020 |
| receive\_date | Date | Date of receive blood | 28/04/2019 |
| send\_status | Varchar(1) | Identify whether blood is sent | 1 = yes  0 = no |
| expire\_status | Varchar(1) | Identify whether blood is sent | 1 = yes  0 = no |
| type\_rh | Varchar(10) | Identify special type of blood | Rh positive,  Rh negative |

Pk(primary key) , FK(foreign key)

**Hospital: Contains general information of the Hospital**

|  |  |  |  |
| --- | --- | --- | --- |
| Column | Type | Description | Example |
| h\_id(PK) | Int(10) | Unique key to identify hospital | 1234985600 |
| h\_name | Varchar(30) | Hospital name | Indraprastha Apollo hospital |
| h\_addr | Varchar(60) | Address of hospital | Sarita vihar , Delhi - mathura road , New delhi |
| h\_phone | Int(15) | Contact number of hospital | 029561335-3213 |
| h\_email | Varchar(30) | Contact email to hospital | apollohospital@gmail.com |

Pk(primary key) , FK(foreign key)

**Patient : contains all the information of patient**

|  |  |  |  |
| --- | --- | --- | --- |
| Column | Type | Description | Example |
| p\_id(PK) | Int(10) | Unique identity given to the patient | 5566565235 |
| p\_name | Varchar(30) | Name of the patient | Mohit kumar |
| p\_age | Int(3) | Age of the patient | 30 |
| p\_contact | Int(10) | Contact number of the patient | 9468127389 |
| p\_addr | Varchar(60) | Address of the patient | 9, friends market , opp SBI , Chandni chowk, delhi |
| p\_email | Varchar(50) | Email of the patient | [xyz@gmail.com](mailto:xyz@gmail.com) |
| request\_date | Date | On which date blood is requested | 25/05/2020 |
| require\_date | Date | On which day he requires blood | 28/05/2020 |
| req\_blood\_group | Varchar(3) | Blood group that is required | AB |
| rh\_type | Varchar(10) | Special type of blood required | Rh positive ,  Rh negative |
| req\_amount | Int(5) | Amount of blood required | 100 (cc) |
| Emergency\_case | Varchar(3) | is this an urgent case | ‘YES’ or ‘NO’ |