

**HOSPITAL MANAGEMENT SYSTEM**

**<ITP** **WD\_B04\_ITP\_13 >**

**Activity 3**

|  |  |
| --- | --- |
| Name | Registration Number |
| Sachin harshitha W G | IT19013374 |
| Gunawardena W A T R | IT19395210 |
| Wickramasinghe T V | IT18073706 |
| Sharmelan G | IT20125370 |
| S N D N Deshan | IT20089054 |
| W A U K Surakshana | IT19160030 |
| Jayasinghe H D D P | IT20667832 |
| Ranasigha R A M K | IT13131852 |

**Doctors appointment scheduling -IT19395210**



Doctors

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Doctor\_ID | Doctor\_fname | Doctor\_lname | Gender | Address | DOB | Email | Speciality | Password |
|  |  |  |  |  |  |  |  |  |
| D001 | Tharushi | Gunawardena | Female | Galle | 02/05/1980 | Tharu@gmail.com | Dermology | d123 |

Foreign key (Doctor\_ID)references Doctors(Doctor\_ID)

doctor\_phone

|  |  |
| --- | --- |
| Doctor\_ID | Phone\_number |
| D001 | 774512689 |

Foreign key (Doctor\_ID)references Doctors(Doctor\_ID)

doctor\_profiles

|  |  |  |  |
| --- | --- | --- | --- |
| Doctor\_ID | About\_me | College | Degree |
| D001 | Dr. Tharushi is a talented Dermotologist... | University of Kelaniya | MBBS |

Foreign key (Doctor\_ID)references Doctors(Doctor\_ID)

doctor\_work\_experience

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Doctor\_ID | Hospital\_Name | Designation | From\_date | To\_date |
| D001 | Asiri | Doctor at dermotology Department | 20/01/2002 | 25/03/2005 |

Foreign key (Doctor\_ID)references Doctors(Doctor\_ID)

doctor\_work\_experience

|  |  |
| --- | --- |
| Doctor\_ID | Language |
| D001 | Sinhala |

Foreign key (Doctor\_ID)references Doctors(Doctor\_ID)

Patients

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Patient\_ID | First\_name | Last\_name | Gender | Address | DOB | Email | Blood\_group | Password |
| P001 | isuru | Perera | Male | wattala | 15/06/1985 | isuru@gmail.com | A+ | p1233 |

Patient\_phone

|  |  |
| --- | --- |
| Patient\_ID | Phone\_number |
| P001 | 775396231 |

Foreign key(Patient\_ID)references Patients(Patient\_ID)

Appointments

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Appointment\_ID | Doctor\_name | Patient\_name | Appointment\_date | Appointment\_time | Amount |
| A001 | Tharushi | Isuru | 20/08/2021 | 1700h | 2500 |

Specialities

|  |  |
| --- | --- |
| Speciality\_ID | Speciality\_name |
| S001 | Dermotologist |

* PRIMARY KEY IS HIGHLITED

**Medicine and Pharmacy - IT19160030**

Patients

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Patient\_ID | First\_name | Last\_name | Gender | Address | DOB | Email | Blood\_group | Password |
| P001 | Amal | Silva | Male | Colombo 03 | 24/02/1991 | amalsilva@gmail.com | O+ | amalP01 |

Patient\_phone

|  |  |
| --- | --- |
| Patient\_ID | Phone\_number |
| P001 | 714520325 |

Medicine

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Medicine\_ID | Medicine\_name | Manufacture\_date | Expire\_date | Amount |
| M001 | Paracetamol | 02/10/2021 | 14/02/2025 | 1350 |

Pharmacy

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Pharmacy\_ID | Pharmacy\_name | Contact\_number | Email | Location |
| P001 | Vijaya | 762531416 | vijayaph@gmail.com | Kadawatha |

**Payroll management system - IT19013374**

Salary

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sal\_ID | Month/year | Total Hours | Total OT Hour | Rate per hour | salary | EPF 8% | Net \_salary | Epf \_Employee | EFF 3% |
| P001 | 01/2022 | 208 | 100 | 500/600 | 154000 | 12320 | 141680 | 14168 | 4250.4 |
| 092 | 02/2022 | 205 | 55 | 500/650 | 138250 | 11040 | 127210 | 12721 | 3816.3 |

Foreign key (Doctor\_ID)references Doctors(Doctor\_ID)

Payrall

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Payroll\_ID | Ateendance\_ID | Doctor\_ID | Salary\_ID | date | Toy\_Amount |
| 001 | A112 | E01 | poo1 | 01/2022 | 154000 |

Foreign key (Doctor\_ID)references Doctors(Doctor\_ID)

Foreign key (Sal\_ID)references Doctors(Sal\_ID)

Foreign key (Ateendance\_ID)references Doctors(Ateendance\_ID)

Ateendance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Ateendance\_ID | EMP\_ID | name | date | S\_time | E\_time |
| A112 | 001 | Dr.sujith | 05/02/2022 | 8.30 | 17.30 |

## 

## **Laboratory Management System - IT20125370**

Admitted Patient

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| patient\_ID | patient\_name | agrahara\_claim | gender | address | dob | email | bed\_No |
| PA001 | Wickramasinga.M.K.W | yes | male | Colombo 03 | 21/04/1989 | lahirumkw@gmail.com | W4B4 |

Clinic Patient

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| patient\_ID | patient\_name | agrahara\_claim | gender | address | dob | email | appoinment\_ID |
| PC001 | Kumarathunga.K.W.R | no | male | Colombo 03 | 18/06/1985 | mithrakwr@gmail.com | D043 |

Medical Test

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| testID | patirent\_ID | test\_Type | glucose\_coefficient | cholestrol\_level | pressure\_level |
| CB056 | PC024 | Full checkup | 8.29 | 256 | 135 |

Lab Staff

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| labs\_ID | labs\_name | username | password | age | gender | email |
| LS030 | amarathunga.R.W | amarathungals30 | \*\*\*\*\*\*\* | 25 | male | amarathungarw@gmail.com |

Medical Report

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| report\_ID | patientID | test\_type | blood\_group | age | gender | date | agrahara\_claim |
| RBPC023 | PC040 | Covid test | O+ | 30 | male | 15/02/2022 | no |

**Administration and monitoring - IT20667832**

message

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Doctor\_ID | D\_name | start\_Date | end\_Date | D\_message | D\_shift |
| D003 | Dr. Y.D.Kariyawasm | 2021/08/10 | 2021/08/11 | I get leave | Night Shift |

Admin

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Admin\_ID | Doctor\_ID | D\_name | start\_Date | end\_Date | D\_messege | D\_shift |
| Admin007 | D003 | Dr. Y.D.Kariyawasm | 2021/08/10 | 2021/08/11 | I get leave | Night Shift |

Foreign key (Doctor\_ID)references Doctors(Doctor\_ID)

## **Vehicle Management System - IT13131852**

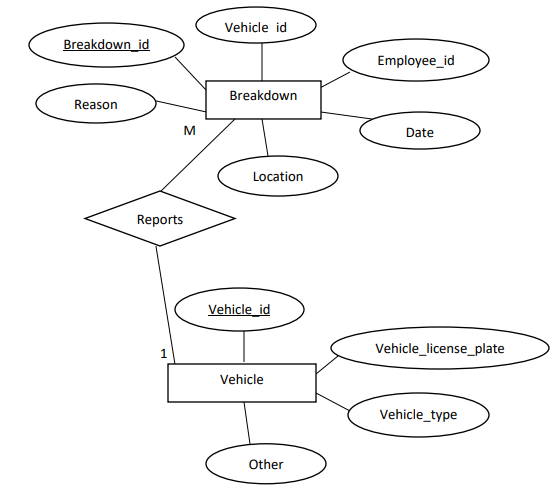
Vehicle

|  |  |  |  |
| --- | --- | --- | --- |
| Vehicle\_id | Vehicle\_License\_Plate | Vehicle\_Type | Other |
| V001 | 64-7670 | Ambulence |  |
| V002 | 32-4586 | Ambulence |  |



Breakdown 

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Breakdown\_id | Vehicle\_id | Employee\_Id | Date | Location | Reason |
| B001 | 64-7670 | E234 | 12/04/2021 | Malabe | Tyre Punch |
| B004 | 32-4586 | E213 | 07/08/2020 | Kottawa | Engine problem |



## **Inventory and Stock Management - IT18073706**

Product\_details

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Product\_id | Name | Manufacturer | Expiry\_date | Amount |
| P563 | Syringe | AccuPoint | 12/04/2025 | 600 |

Stock\_reorder\_levels

|  |  |  |
| --- | --- | --- |
| Product\_id | Reorder\_levels | Stock\_levels |
| P563 | 1000/5000 | 3675/5000 |

Staff\_details

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Staff\_ID | First\_name | Last\_name | Gender | Address | DOB | Email | Password |
| S346 | Kamala | Perera | Female | Kaduwela | 15/07/1982 | kperera@gmail.com | kPera21 |

Doctors/nurse

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| First name | Last name | ID no. | Date | Start time | End time |
| Nadeera | Deshan | D001 | 16/03/2022 | 13.00p.m | 17.00p.m |
| Hansi | perera | N001 | 16/03/2022 | 17.00p.m | 22.00p.m |

patient

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| First name | Last name | NIC | Age | Blood group | Bed no. |
| Asantha | Harshana | 982246480v | 24 | B+ | 0001 |

Bed notice

|  |  |
| --- | --- |
| NIC | Bed notice |
| 982246480v | Body temperature is 40 C |

Forign key(NIC) References Patient(NIC)

Doctors/nurse patient

|  |  |
| --- | --- |
| ID no. | NIC |
| D001 | 982246480v |

Forign key(ID no.) References Doctors/nurse(ID no.)  
Forign key(NIC) References Patient(NIC)

Medicine

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| First name | Last name | Quantity | Expire date | M.code |
| Panadol | none | 50 | 05/09/2022 | M001 |

Doctors/nurse Medicine

|  |  |
| --- | --- |
| ID no. | M.code |
| D001 | M001 |

Forign key(ID no.) References Doctors/nurse(ID no.)

Forign key(M.code) References Medicine(M.code.)