EMERGENCY SERVICES

“SAHAJJO”

Course Name: Introduction to Database

Section: G

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**Introduction:**

The purpose of this system is to get the emergency services contact information in the emergency situation.

This database will help to achieve emergency services phone number, address, email address etc. User will just input his/her location and he/she will be able to see list of emergency services in his/her location.

Emergency services include fire services, ambulance, blood bank, police station, hospital care.

If any user want to get all the contact information of all emergency services in his/her own area he/she able to have those by this database. Or they can also see those contact information separately. By this database user can modify their search, if they wish to see only phone numbers of all emergency services it can be possible also.

**ER Diagram**

­­­­­­­­­

same location

Blood bank

same location

same location

Police

Hospital

same location

same location

Fire service

area

­­­­­­­

Ambulance

**Mapping:**

Area

|  |  |
| --- | --- |
| Location\_id | location |

Fire\_service

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Location\_id | location | phone | station | Fireservice\_id |

Ambulance

|  |  |  |  |
| --- | --- | --- | --- |
| Location\_id | location | phone | Ambulance\_id |

Police

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Location\_id | location | phone | station | Police\_id |

Hospital

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Location\_id | location | phone | station email | hospital\_id |

Blood bank

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Location\_id | location | phone | station email | blood\_id |

**Table Creation:**

1. Blood bank

create table Blood\_bank

(

bloodbank\_id number(10) PRIMARY KEY,

Location\_id number(10),

name varchar2(25),

phone number(20) NOT NULL UNIQUE,

location varchar2(100) NOT NULL,

email varchar2(50) NOT NULL

);

1. Fire service

create table fire\_service

(

fireservice\_id number(10) PRIMARY KEY,

location\_id number(10),

station varchar2(50) NOT NULL,

phone number(20) NOT NULL UNIQUE,

location varchar2(100) NOT NULL

);

1. Police

create table Police

(

police\_id number(10) PRIMARY KEY,

location\_id number(10),

station\_name varchar2(50) NOT NULL,

phone number(20) NOT NULL UNIQUE,

location varchar2(100) NOT NULL

);

1. Hospital

create table Hospital

(

hospital\_id number(10) PRIMARY KEY,

location\_id number(10),

hospital\_name varchar2(50) NOT NULL,

phone number(20) NOT NULL UNIQUE,

location varchar2(100) NOT NULL,

email varchar2(100) NOT NULL

);

1. Ambulance

create table ambulance

(

ambulance\_id number(10) PRIMARY KEY,

location\_id number(10),

ambulance\_name varchar2(50) NOT NULL,

phone number(20) NOT NULL UNIQUE,

location varchar2(100) NOT NULL

);

1. Area

create table Area

(

Location\_id number(10) PRIMARY KEY,

Location varchar2(50) NOT NULL

);

**Data Insertion:**

1.

insert into blood\_bank values(1,1,'sandhani1',2568599,'Mohammadpur','sandhani2@gmail.com');

insert into blood\_bank values(2,1,'sandhani2',2568598,'Mohammadpur','sandhani@gmail.com');

insert into blood\_bank values(3,2,'sandhani4',3568599,'Shahbag','sandhani4@gmail.com');

insert into blood\_bank values(4,2,'sandhani5',8568599,'Shahbag','sandhani5@gmail.com');

insert into blood\_bank values(5,3,'sandhani6',1897499,'Banani','sandhani6@gmail.com');

insert into blood\_bank values(6,3,'sandhani7',1896499,'Banani','sandhani7@gmail.com');

2.

insert into fire\_service values(1,1,'Mohammadpur\_dhaka',4855965546,'Mohammadpur');

insert into fire\_service values(2,1,'Mohammadpur\_dhaka',4855965547,'Mohammadpur');

insert into fire\_service values(3,1,'Mohammadpur\_dhaka',4855965548,'Mohammadpur');

insert into fire\_service values(4,2,'Shahbag\_dhaka',4855965541,'Shahbag');

insert into fire\_service values(5,2,'Shahbag\_dhaka',4855965542,'Shahbag');

insert into fire\_service values(6,2,'Shahbag\_dhaka',4855965549,'Shahbag');

insert into fire\_service values(7,3,'Banani\_dhaka',4855965540,'Banani');

insert into fire\_service values(9,3,'Banani\_dhaka',4855965543,'Banani');

insert into fire\_service values(10,3,'Banani\_dhaka',4855865541,'Banani');

3.

insert into police values(9,1,'Mohammadpur\_Thana',454486565,'Mohammadpur');

insert into police values(1,1,'Mohammadpur\_Thana2',45226565,'Mohammadpur');

insert into police values(7,2,'Dhanmondi\_Thana',454846566,'Shahbag');

insert into police values(3,3,'Banani\_Thana',454846561,'Banani');

insert into police values(6,2,'Dhanmondi\_Thana2',454800566,'Shahbag');

4.

insert into hospital values(1,1'Eye Hospital',54549656851,'Mohammadpur','eyehospital@ymail.com');

insert into hospital values(2,1,'Japan Bangladesh Hospital',54549656859,'Mohammadpur','jpbd@ymail.com');

insert into hospital values(3,1,'Care Hospital',54549656850,'Mohammadpur','care@gmail.com');

insert into hospital values(4,2,'Bardem Hospital',5454965651,'Shahbag','bardem@ymail.com');

insert into hospital values(5,2,'Lab-aid Hospital',5454965656,'Shahbag','labaid@ymail.com');

insert into hospital values(6,2,'Popular Hospital',5454965652,'Shahbag','popular@ymail.com');

insert into hospital values(7,3,'Popular Hospital',5454965682,'Banani','popular2@ymail.com');

insert into hospital values(8,3,'Lab\_AID',5454965672,'Banani','labaid2@ymail.com');

5.

insert into ambulance values (1,1,'Alif ambulance',54549656859,'Mohammadpur');

insert into ambulance values (2,1,'Samra ambulance',54889656859,'Shahbag');

insert into ambulance values (3,1,'Talab ambulance',99889656859,'Banani');

6.

insert into Area values(1,'Mohammadpur');

insert into Area values(2,'Shahbag');

insert into Area values(3,'Banani');

**Normal Queries:**

All in one row:

SELECT \*

FROM

(

SELECT COUNT(location) as "hospital,Ambulance,Police",location FROM hospital GROUP BY location

UNION ALL

SELECT COUNT(location),location FROM ambulance GROUP BY location

UNION ALL

SELECT COUNT(location),location FROM Police GROUP BY location

)

Only police station:

SELECT \*

FROM

(

SELECT location, COUNT(location) as "Police station in areas" FROM police GROUP BY location

)

Only hospital:

SELECT \*

FROM

(

SELECT location, COUNT(location) as "Hospitals in areas" FROM police GROUP BY location

)

Only Ambulance:

SELECT \*

FROM

(

SELECT location, COUNT(location) as "Ambulances in areas" FROM ambulance GROUP BY location

)