

## Database Design

**Table: Donor**

Field Name	Data Type	Constraint
Id	INT	PK
Name	VARCHAR(30)	NOT NULL
Age	INT	NOT NULL
Aadhar	VARCHAR(12)	NOT NULL, UNIQUE
Mobile	VARCHAR(10)	NOT NULL, UNIQUE
City	VARCHAR(30)	NOT NULL
State	VARCHAR(30)	NOT NULL
Pin	VARCHAR(6)	NOT NULL
Email	VARCHAR(40)	NOT NULL, UNIQUE
Password	VARCHAR(40)	NOT NULL

**TABLE : Medicine**

Field Name	Data Type	Constraint
Id	INT	PK
Name	VARCHAR(30)	NOT NULL
Expiry Date	DATETIME	NOT NULL
Pharma Company	VARCHAR(30)	NOT NULL
Quantity	INT	NOT NULL
Donor_Id	INT	FK(DONOR)
DonationDate	VARCHAR(20)	NOT NULL

**Table : NGO**

Field Name	Data Type	Constraint
Id	INT	PK
Name	VARCHAR(30)	NOT NULL
Mobile	VARCHAR(10)	NOT NULL, UNIQUE
City	VARCHAR(30)	NOT NULL
State	VARCHAR(30)	NOT NULL
Pin	VARCHAR(6)	NOT NULL
Email	VARCHAR(30)	NOT NULL, UNIQUE
Password	VARCHAR(40)	NOT NULL

**TABLE : REQUEST**

Field Name	Data Type	Constraint
Id	INT	PK
Medicine_Id	INT	FK(MEDICINE)
Medicine Name	VARCHAR(30)	NOT NULL
Quantity	INT	NOT NULL
NGO_Id	INT	FK(NGO)

**TABLE : FINAL REQUEST**

Field Name	Data Type	Constraint
Id	INT	PK
Medicine_Id	INT	FK(MEDICINE)
Medicine Name	VARCHAR(30)	NOT NULL
Quantity	INT	NOT NULL
NGO_Id	INT	FK(NGO)

**TABLE : ENQUIRY**

Field Name	Data Type	Constraint
Id	INT	PK
Name	VARCHAR(30)	NOT NULL
Email	VARCHAR(30)	NOT NULL
Message	VARCHAR(30)	NOT NULL

## SQL SCRIPT

USE [master]

GO

/\*\*\*\*\* Object: Database [UmdsDB] Script Date: 30-12-2021 12:54:04 PM \*\*\*\*\*/

CREATE DATABASE [UmdsDB]

CONTAINMENT = NONE

ON PRIMARY

( NAME = N'UmdsDB', FILENAME =  
N'C:\Users\ekanshpurwar\AppData\Local\Microsoft\VisualStudio\SSDT\UmdsDB.mdf' , SIZE =  
8192KB , MAXSIZE = UNLIMITED, FILEGROWTH = 65536KB )

LOG ON

( NAME = N'UmdsDB\_log', FILENAME =  
N'C:\Users\ekanshpurwar\AppData\Local\Microsoft\VisualStudio\SSDT\UmdsDB.ldf' , SIZE = 8192KB  
, MAXSIZE = 2048GB , FILEGROWTH = 65536KB )

GO

ALTER DATABASE [UmdsDB] SET COMPATIBILITY\_LEVEL = 130

GO

IF (1 = FULLTEXTSERVICEPROPERTY('IsFullTextInstalled'))

begin

EXEC [UmdsDB].[dbo].[sp\_fulltext\_database] @action = 'enable'

end

GO

ALTER DATABASE [UmdsDB] SET ANSI\_NULL\_DEFAULT ON

GO

ALTER DATABASE [UmdsDB] SET ANSI\_NULLS ON

GO

ALTER DATABASE [UmdsDB] SET ANSI\_PADDING ON

GO

ALTER DATABASE [UmdsDB] SET ANSI\_WARNINGS ON

GO

ALTER DATABASE [UmdsDB] SET ARITHABORT ON

GO

ALTER DATABASE [UmdsDB] SET AUTO\_CLOSE OFF

GO

ALTER DATABASE [UmdsDB] SET AUTO\_SHRINK OFF

GO

ALTER DATABASE [UmdsDB] SET AUTO\_UPDATE\_STATISTICS ON

GO

ALTER DATABASE [UmdsDB] SET CURSOR\_CLOSE\_ON\_COMMIT OFF

GO

ALTER DATABASE [UmdsDB] SET CURSOR\_DEFAULT LOCAL

GO

ALTER DATABASE [UmdsDB] SET CONCAT\_NULL\_YIELDS\_NULL ON

GO

ALTER DATABASE [UmdsDB] SET NUMERIC\_ROUNDABORT OFF

GO

ALTER DATABASE [UmdsDB] SET QUOTED\_IDENTIFIER ON

GO

ALTER DATABASE [UmdsDB] SET RECURSIVE\_TRIGGERS OFF

GO

ALTER DATABASE [UmdsDB] SET DISABLE\_BROKER

GO

ALTER DATABASE [UmdsDB] SET AUTO\_UPDATE\_STATISTICS\_ASYNC OFF

GO

ALTER DATABASE [UmdsDB] SET DATE\_CORRELATION\_OPTIMIZATION OFF

GO

ALTER DATABASE [UmdsDB] SET TRUSTWORTHY OFF

GO

ALTER DATABASE [UmdsDB] SET ALLOW\_SNAPSHOT\_ISOLATION OFF

GO

ALTER DATABASE [UmdsDB] SET PARAMETERIZATION SIMPLE

GO

ALTER DATABASE [UmdsDB] SET READ\_COMMITTED\_SNAPSHOT OFF

GO

ALTER DATABASE [UmdsDB] SET HONOR\_BROKER\_PRIORITY OFF

GO

ALTER DATABASE [UmdsDB] SET RECOVERY FULL

GO

ALTER DATABASE [UmdsDB] SET MULTI\_USER

GO

ALTER DATABASE [UmdsDB] SET PAGE\_VERIFY CHECKSUM

GO

ALTER DATABASE [UmdsDB] SET DB\_CHAINING OFF

GO

ALTER DATABASE [UmdsDB] SET FILESTREAM( NON\_TRANSACTED\_ACCESS = OFF )

GO

ALTER DATABASE [UmdsDB] SET TARGET\_RECOVERY\_TIME = 60 SECONDS

GO

ALTER DATABASE [UmdsDB] SET DELAYED\_DURABILITY = DISABLED

GO

ALTER DATABASE [UmdsDB] SET QUERY\_STORE = OFF

GO

USE [UmdsDB]

GO

ALTER DATABASE SCOPED CONFIGURATION SET LEGACY\_CARDINALITY\_ESTIMATION = OFF;

GO

ALTER DATABASE SCOPED CONFIGURATION SET MAXDOP = 0;

GO

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ALTER DATABASE SCOPED CONFIGURATION SET PARAMETER_SNIFFING = ON;

GO

ALTER DATABASE SCOPED CONFIGURATION SET QUERY_OPTIMIZER_HOTFIXES = OFF;

GO

USE [UmdsDB]

GO

/***** Object: Table [dbo].[Donor]  Script Date: 30-12-2021 12:54:04 PM *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Donor](
    [Id] [int] IDENTITY(1,1) NOT NULL,
    [Name] [varchar](50) NOT NULL,
    [Age] [varchar](50) NOT NULL,
    [Aadhar] [varchar](12) NOT NULL,
    [Mobile] [varchar](10) NOT NULL,
    [City] [varchar](50) NOT NULL,
    [State] [varchar](50) NOT NULL,
    [Pin] [varchar](6) NOT NULL,
    [Email] [varchar](50) NOT NULL,
    [Password] [varchar](50) NOT NULL,
PRIMARY KEY CLUSTERED
(
    [Id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY],
UNIQUE NONCLUSTERED
(

```

[Aadhar] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF,  
ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY],

UNIQUE NONCLUSTERED

(

[Mobile] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF,  
ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY],

UNIQUE NONCLUSTERED

(

[Email] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF,  
ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

/\*\*\*\*\* Object: Table [dbo].[Enquiry] Script Date: 30-12-2021 12:54:04 PM \*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Enquiry](

[Id] [int] IDENTITY(1,1) NOT NULL,

[Name] [varchar](50) NOT NULL,

[Email] [varchar](50) NOT NULL,

[Message] [varchar](150) NOT NULL,

PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF,  
ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

/\*\*\*\*\* Object: Table [dbo].[FinalRequest] Script Date: 30-12-2021 12:54:04 PM \*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[FinalRequest](

[Id] [int] NOT NULL,

[Medicine\_Id] [int] NOT NULL,

[MedicineName] [varchar](50) NOT NULL,

[Quantity] [int] NOT NULL,

[NGO\_Id] [int] NOT NULL,

PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF,  
ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

/\*\*\*\*\* Object: Table [dbo].[Medicine] Script Date: 30-12-2021 12:54:04 PM \*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Medicine](

[Id] [int] IDENTITY(1,1) NOT NULL,

[Name] [varchar](50) NOT NULL,

[DonationDate] [varchar](50) NOT NULL,



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        [ExpiryDate] [date] NOT NULL,
        [PharmaCompany] [varchar](50) NOT NULL,
        [Quantity] [int] NOT NULL,
        [Donor_Id] [int] NOT NULL,
PRIMARY KEY CLUSTERED
(
        [Id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO

/***** Object: Table [dbo].[NGO]  Script Date: 30-12-2021 12:54:04 PM *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[NGO](
        [Id] [int] IDENTITY(1,1) NOT NULL,
        [Name] [varchar](50) NOT NULL,
        [Mobile] [varchar](10) NOT NULL,
        [City] [varchar](50) NOT NULL,
        [State] [varchar](50) NOT NULL,
        [Pin] [varchar](6) NOT NULL,
        [Email] [varchar](50) NOT NULL,
        [Password] [varchar](50) NOT NULL,
PRIMARY KEY CLUSTERED
(
        [Id] ASC

```

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF,  
ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY],

UNIQUE NONCLUSTERED

(

[Mobile] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF,  
ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY],

UNIQUE NONCLUSTERED

(

[Email] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF,  
ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

/\*\*\*\*\* Object: Table [dbo].[Request] Script Date: 30-12-2021 12:54:04 PM \*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Request](

[Id] [int] IDENTITY(1,1) NOT NULL,

[Medicine\_Id] [int] NOT NULL,

[MedicineName] [varchar](50) NOT NULL,

[Quantity] [int] NOT NULL,

[NGO\_Id] [int] NOT NULL,

PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF,  
ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[FinalRequest] WITH CHECK ADD FOREIGN KEY([Medicine\_Id])

REFERENCES [dbo].[Medicine] ([Id])

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[FinalRequest] WITH CHECK ADD FOREIGN KEY([NGO\_Id])

REFERENCES [dbo].[NGO] ([Id])

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Medicine] WITH CHECK ADD FOREIGN KEY([Donor\_Id])

REFERENCES [dbo].[Donor] ([Id])

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Request] WITH CHECK ADD FOREIGN KEY([Medicine\_Id])

REFERENCES [dbo].[Medicine] ([Id])

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Request] WITH CHECK ADD FOREIGN KEY([NGO\_Id])

REFERENCES [dbo].[NGO] ([Id])

ON DELETE CASCADE

GO

USE [master]

GO

ALTER DATABASE [UmdsDB] SET READ\_WRITE

GO