

**North South University**  
Department of Electrical & Computer Engineering

**PROJECT REPORT**

Course Name: **CSE311**

Section: 5

Project Name: <b>Religious Management Database</b>
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# **Religious Management Database**

## **Project Description :**

In this project we developed a comprehensive database about major religions in Bangladesh . The purpose of this database is to provide a single source of relevant religious information. We named this database as Religious Management Database. It will keep track of all Religious related information such as the location of religious institutions , details about various religious committee, prayers time, upcoming events, religious bookshops. This Religious Management Database consists of eight tables such as –

- 1) Main\_Religion
- 2) Information
- 3) Location
- 4) Committee\_Details
- 5) Muslims\_Prayer\_Timing
- 6) Hindus\_Prayer\_Timing
- 7) Cristian\_Prayer\_Timing
- 8) Bookshops

Each table contains particular information. From the Main\_Religion table we can know which religions are included in this database. There are three religions in this database: Muslim , Hindu , Christian. So, this will be a common database for all those people of different religions. Sometimes people face difficulties to find their religious institution , when they go to a new place. As a solution of this problem, they can use this database to find the location of their religious institution. In the Location table we included the location of Shaat Gombuj Masjid, DU Central Masjid, Lalbagh Shahi Masjid, Baitur Rauf Jame Masjid, Sri Chaitanya Mandir, Ramna Kali Temple, Paharpur Buddhist Monastery , Mainamati Shalban Bihara, Christ Church, St. Mary's Cathedral.

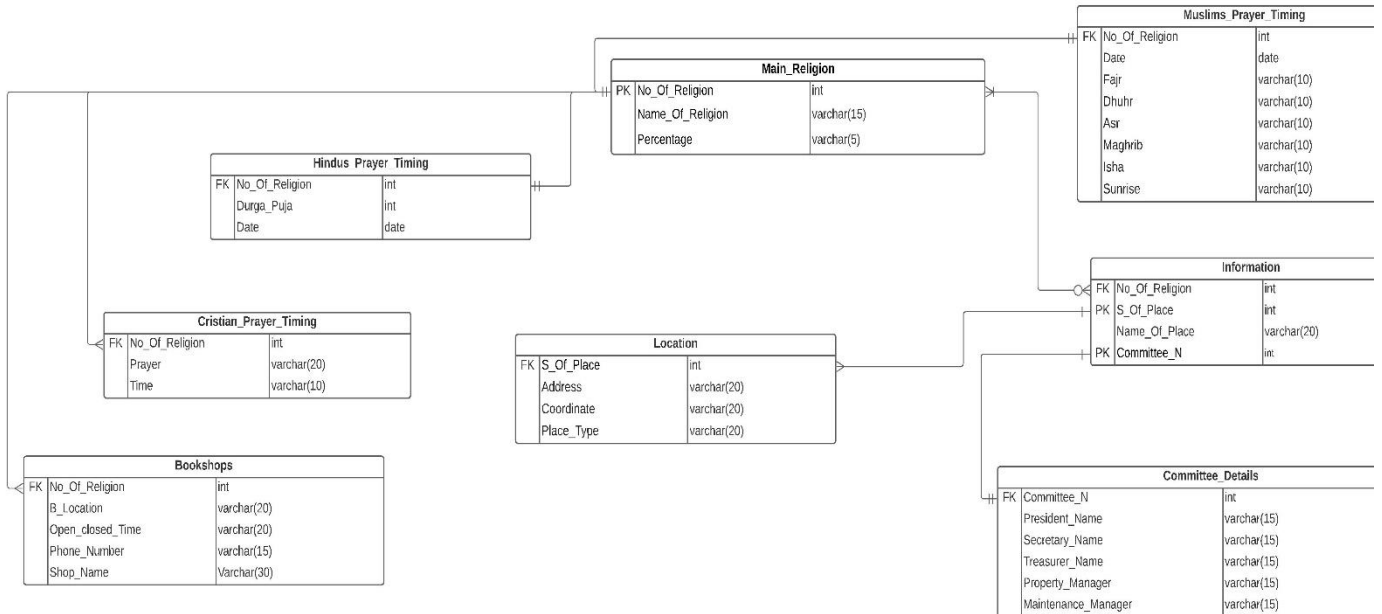
From the Committee\_Details table Muslim , Hindu , Christian people can know about their religious committee. They can know the committee members name and contact with the members whenever they want. Then, we have another table named Muslims\_Prayer\_Timing . This table is very useful because prayer time is a very important for muslims. Muslims have to pray five times in a day and those prayers have particular time . In our Muslims\_Prayer\_Timing table we add the time of pray Fajr, Dhuhur, Asr , Maghrib ,Isha, Sunrise.

Hindus\_Prayer\_Timing table is also very important because they celebrate puja on some particular days . From this table they can know about the dates of their puja . We also have a table named Cristian\_Prayer\_Timing from which Christian people can know their prayer time.

Moreover , if anyone want to buy some books related to his religious , they can do it easily with the help of this database. Because, they can have the address of bookstore of their religion from our database. In our Bookshops table we include the address of those bookshops.

This database will be a very useful resource for people of diverse religious demographics. As such, we believe that this database will help the religious people with their religious practise.

## ER Diagram:



## **Create and populate(insert) data into database in MYSQL:**

-----Creating Tables

```
CREATE TABLE `Main_Religion` (  
  `No_Of_Religion` int,  
  `Name_Of_Religion` varchar(15),  
  `Percentage` varchar(5),  
  PRIMARY KEY (`No_Of_Religion`)  
);
```

```
CREATE TABLE `Information` (  
  `No_Of_Religion` int,  
  `S_Of_Place` int,  
  `Name_Of_Place` varchar(40),  
  `Committee_N` int,  
  PRIMARY KEY (`S_Of_Place`, `Committee_N`)  
);
```

```
CREATE TABLE `Location` (  
  `S_Of_Place` int,  
  `Address` varchar(70),  
  `Coordinate` varchar(50),  
  `Place_Type` varchar(70)  
);
```

```
CREATE TABLE `Committee_Details` (  
  `Committee_N` int,  
  `President_Name` varchar(15),  
  `Secretary_Name` varchar(15),  
  `Treasurer_Name` varchar(15),  
  `Property_Manager` varchar(15),
```

```
`Maintenance_Manager` varchar(15)  
);
```

```
CREATE TABLE `Muslims_Prayer_Timing` (  
  `No_Of_Religion` int,  
  `Date` date,  
  `Fajr` varchar(10),  
  `Dhuhr` varchar(10),  
  `Asr` varchar(10),  
  `Maghrib` varchar(10),  
  `Isha` varchar(10),  
  `Sunrise` varchar(10)  
);
```

```
CREATE TABLE `Hindus_Prayer_Timing` (  
  `No_Of_Religion` int not null,  
  `Durga_Puja` int,  
  `Date` date  
);
```

```
CREATE TABLE `Cristian_Prayer_Timing` (  
  `No_Of_Religion` int,  
  `Prayer` varchar(20),  
  `Time` varchar(10)  
);
```

```
CREATE TABLE `Bookshops` (  
  `No_Of_Religion` int,  
  `Shop_Name` varchar(70),  
  `B_Location` varchar(90),  
  `Open_closed_Time` varchar(20),
```

```
`Phone_Number` varchar(15)
);
```

-----Inserting Values into Tables

```
insert into main_religion
values(1,'Islam','83%),
      (2,'Hinduism','16%),
      (3,'Buddhists','0.6%),
      (4,'Christians','0.4%);
```

```
insert into location
values(1,'Bagerhat - Khulna Rd, Bagerhat 9300, Bangladesh','22.6745068, 89.7418359','Mosque, Place Of
Worship'), -- Shaat Gombuj Masjid
      (2,' University of Dhaka, Dhaka University Kendrio Jame Masjid, Dhaka','23.8697269,
90.4261152','Mosque, Place Of Worship'), -- DU Central Masjid
      (3,'Shaista Khan Road, Dhaka','23.8697269, 90.4261152','Mosque, Place Of Worship'), -- Lalbagh Shahi
Masjid
      (4,'Faidabad Transmitter Link Road, 1230','23.8697269, 90.4261152','Mosque, Place Of Worship'), -- Baitur
Rauf Jame Masjid
      (5,'Inner Service Road, Naya Bazaar, Cuttack, Odisha 753006, India','23.8697269, 90.4261152','Tample,
Place Of Worship'), -- Sri Chaitanya Mandir
      (6,'Old Mymensingh Road, Kazi Nazrul Islam Ave, Dhaka 1000','23.8697269, 90.4261152','Tample, Place Of
Worship'), -- Ramna Kali Temple
      (7,'Sompur Mahavihara','23.8697269, 90.4261152','Tample, Place Of Worship'), -- Paharpur Buddhist
Monastery
      (8,'Shalban Vihara,City-Corporation 24no Word,Shalmanpur 3503','23.8697269, 90.4261152','Tample,
Place Of Worship'), -- Mainamati Shalban Bihara
      (9,'Ishwarpur, Satkhira','23.8697269, 90.4261152','Tample, Place Of Worship'), -- Christ
Church
      (10,'Kakrail Road-Ramna, Dhaka-1000, 1 Kakrail Road Kakrail Cir, Dhaka 1000','23.8697269,
90.4261152','Tample, Place Of Worship'); -- St. Mary's Cathedral
```

```
insert into information
values(1,1,'Shaat Gombuj Masjid',1),
      (1,2,'DU Central Masjid',2),
```

```
(1,3,'Lalbagh Shahi Masjid',3),
(1,4,'Baitur Rauf Jame Masjid',4),
(2,5,'Sri Chaitanya Mandir',5),
(2,6,'Ramna Kali Temple',6),
(3,7,'Paharpur Buddhist Monastery',7),
(3,8,'Mainamati Shalban Bihara',8),
(4,9,'Christ Church',9),
(4,10,'St. Marys Cathedral',10);
```

insert into committee\_details

```
values(1,'Sazzad','Mushfique','Sakib','Raihan','Shakil'),
      (2,'Sani','Tanvir','Roni','Hridoy','Shamim'),
      (3,'Ratul','Razzak','Sajib','Sitol','Tumzid'),
      (4,'Fahim','Rakib','Rahat','Masum','Shanto'),
      (5,'Bijoy','Joy','Plabon','Auntu','Obak'),
      (6,'Anik','Kumar','Majumdar','Billal','Bishwas'),
      (7,'Roki','Protty','Hiron','Salmon','Sayem'),
      (8,'Shariar','Alamin','Salauddin','Khaled','Ashik'),
      (9,'Smith','Dihan','Robert','Pattison','Siddik'),
      (10,'George','Dclock','Michale','Jackson','Manna');
```

insert into muslims\_prayer\_timing

```
values(1,str_to_date('14-01-2021','%d-%m-%Y'),'5.00 AM','1.15 PM','4.45 PM','6.00 PM','7.45 PM','5.50 AM'),
      (1,str_to_date('15-01-2021','%d-%m-%Y'),'5.01 AM','1.15 PM','4.44 PM','6.01 PM','7.45 PM','5.48 AM'),
      (1,str_to_date('16-01-2021','%d-%m-%Y'),'5.02 AM','1.15 PM','4.44 PM','6.01 PM','7.46 PM','5.45 AM'),
      (1,str_to_date('17-01-2021','%d-%m-%Y'),'5.03 AM','1.15 PM','4.43 PM','6.03 PM','7.45 PM','5.45 AM'),
      (1,str_to_date('18-01-2021','%d-%m-%Y'),'5.03 AM','1.15 PM','4.42 PM','6.04 PM','7.45 PM','5.44 AM'),
      (1,str_to_date('19-01-2021','%d-%m-%Y'),'5.04 AM','1.15 PM','4.42 PM','6.05 PM','7.40 PM','5.42 AM'),
      (1,str_to_date('20-01-2021','%d-%m-%Y'),'5.05 AM','1.15 PM','4.40 PM','6.05 PM','7.40 PM','5.42 AM');
```

insert into hindus\_prayer\_timing



```
values(2,1,str_to_date('11-10-21','%d-%m-%Y')),
      (2,2,str_to_date('12-10-21','%d-%m-%Y')),
      (2,3,str_to_date('13-10-21','%d-%m-%Y')),
      (2,4,str_to_date('14-10-21','%d-%m-%Y')),
      (2,5,str_to_date('15-10-21','%d-%m-%Y'));
```

insert into cristian\_prayer\_timing

```
values(3,'Morning Prayer','6.00 AM'),
      (3,'Terce Of Mid Morning','9.00 AM'),
      (3,'Sext Prayer','12.00 PM'),
      (3,'Mid After Noon','3.00 PM');
```

insert into bookshops

```
values(1,'Ali Bookshop','Uttara-Sector-4','12 AM - 12 PM','011515462'),
      (1,'Vhai-Vhai Store','250 Airport - Dakshinkhan Rd','10 AM - 8 PM','022314586'),
      (1,'Al Furkan Islami Book Store','Bir Uttam Ziaur Rahman Rd','9 AM - 10 PM','011456785'),
      (2,'Boi Bichitra','Plot No-37, Shop No-48, SB. Plaza, Dhaka - Mymensingh Hwy, Dhaka 1230','12 AM - 12 PM','64686655'),
      (2,'Charcha Bookstore','House # 107 (Tarakunjo), Sher Shah Shuri Road, Dhaka 1207','8 AM - 8 PM','15796485'),
      (3,'Noor Book Store','84 Purana Paltan Line, Dhaka 1000','7 AM - 10 PM','34897512'),
      (4,'Bishwa Bichitra','Mirpur Rd, Dhaka 1205','12 AM - 12 PM','02369785');
```

```
-- select * from bookshops;
-- select * from committee_details;
-- select * from cristian_prayer_timing;
-- select * from hindus_prayer_timing;
-- select * from information;
-- select * from location;
-- select * from main_religion;
-- select * from muslims_prayer_timing;
```

## **Test queries to fullfill our project description :**

**1. write a query to show all the bookshops that are available for muslims.**

**Answer :**

```
select b.Shop_Name, b.B_Location from bookshops b,main_religion m
where b.No_Of_Religion = m.No_Of_Religion;
```

**2. write a query to show the committe details of 'Shaath Gombuj Masjid'.**

**Answer :**

```
select * from committee_details c,information i
where i.Name_Of_Place like 'Shaath Gombuj Masjid' and i.Committee_N = c.Committee_N;
```

**3. Show the Fajr prayer timing for the next 3 days for muslims.**

**Answer :**

```
select m.Name_Of_Religion,m1.Fajr from main_religion m,muslims_prayer_timing m1
where m.Name_Of_Religion like 'Islam' and m1.Date between '2021-01-14' and '2021-01-16';
```

**4. What can we find in 'Sompur Mahavihara'.**

**Answer :**

```
select l.Address,i.Name_Of_Place from location l,information i
where l.Address like 'Sompur Mahavihara' and i.S_Of_Place = l.S_Of_Place;
```

**5. Basically when 'Terce Of Mid Morning' prayer starts for Christian.**

**Answer :**

```
select c.Time from main_religion m, cristian_prayer_timing c
where m.Name_Of_Religion like 'Christians' and c.Prayer like 'Terce Of Mid Morning';
```

