



# A DATABASE DEVELOPMENT PROJECT

MINISTRY DATABASE – QODESH FAMILY CHURCH

**DATA ADMINISTRATION CONCEPTS AND DATABASE DEVELOPMENT**

**(IST 659)**

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# CHURCH MINISTRY DATABASE

## An Attendance Database Experiment

### PROJECT SUMMARY

Over the years, the Qodesh Family Church, a denomination of the United Group of Lighthouse Churches has struggled with tracking and keeping of proper data on the various ministries under the church but importantly the Ministry and Programs organized by the church. Microsoft excel, is currently employed as the church's database for tracking all ministries and program attendance. However, the church is unable to provide adequate data regarding the growth of church and other ministries. This project is therefore focusing its work on designing and creating a database to track activities and program attendance of the church. The database will also aim at monitoring the progress of individuals in building their Christian faith, and provide a platform for organizing other church activities as a whole.

This document will provide all users and developers details about the development of a database for Qodesh Family Church.

The development of the 'PROJECT' as it was called started with understanding the operation of the Qodesh Family Church. We used some of the user questions and interactions to develop our conceptual model as our basis of what needs to be done.

We developed a number of tables for storing or recording activities of the church. After the development stage, we populated the database with 'Dummy' records in order to test the system. Few changes were made.

At this moment, we are confident the 'Project' will perform its functions and meet the needs of the users.

### STAKEHOLDERS DESCRIPTION

Stakeholders, for the purpose of this project, include but not limited to teachers, parents, program organizers, various ministry leaders and the leadership of the church. Leadership of the church (Qodesh Family Church) include the Pastor, the Assistant Pastor, Treasurer etc.

### DATA QUESTIONS

It is expected that the project will answer the following data or business questions about the Children Ministry.

- Which ministry recorded the highest number of attendances for any past months.
- What is the total membership and percentage distribution of each of the ministry or group in Qodesh Family Church Germantown?
- What is the gender demographic for the Qodesh Family Church - Germantown?
- What is the trend of attendance of both males and females?
- How many people attended programs organized by the various ministries over the past two months (this can be any given period).

## **GLOSSARY**

**Church** refers to other Qodesh Family Church in different locations (cities, towns and states).

**Ministry** refers to the various church groups that make makeup the Church. Examples of these groups are Men Fellowship, Women's Group, Youth Fellowship

**Person** refers to people or any individual work attends, fellowship at Qodesh Family church or works for the church. This can also be referred to as members of the church.

**Classroom** is an assigned room for Bible studies or any other related activities.

**Program** refers to activities or events that are held by the church at its various locations.

**Role** an assigned duty for a Person at the church.

## **ATTRIBUTES**

**ID** – All IDs are system generated and unique attribute to every entity created except for ProgramID.

### **Church Attributes**

**Church Name** – This refers to actual name assigned or given to the church.

**Address1** – This is the physical location of the Church in terms of street address.

**Address2** – A continuation of the physical address of the church in terms of street name.

**City** – The city in which the church is located.

**State** – State or province the church is located.

**Zip Code** – Postal Code of the church

**Telephone Number** – A telephone contact for the church

**Minister Name** – Spiritual Leader of a church

**Branch Name** – A computed column describing the church as a branch

#### **Ministry Attributes**

**Ministry Name** – This refers to the name of the various ministries in the church.

**Ministry Description** – A detailed description and purpose of a ministry.

#### **Program Attributes**

**Program Name** – The name of the activity being held or performed by the church itself, and or the various ministries of the church.

**Start Date Time** – The date and time the program/activity commences

**End Date Time** - The date and time the program/activity commences

**Description** - A detailed description and purpose of a Program.

#### **Classroom Attributes**

**Class Name** – A name assigned to the to a Classroom.

**Room Number** – An alphanumeric number assigned to a Classroom.

**Start Date Time** - The start date and time a particular classroom is occupied for an activity/program.

**End Date Time** - The end date and time a particular classroom is occupied for an activity/program.

**Lead Teacher** – A Person with the role of a Teacher for a particular class.

#### **Role Attributes**

**Role Name** – An assigned name to a Person for duties he or she performs at the church.

**Role Description** – A full clarification of the assigned Role.

## Person Attributes

**First Name** – The given name of a person or an individual in the church.

**Last Name** – The family name of a Person or an individual in the church.

**Middle Initial** – Middle Initial of any Person with a middle name.

**Gender** – Gender description of every Person.

**Date of Birth** – Birth date of a Person.

**Email Address** – An electronic mail address of a Person.

## DATA MODEL

### ENTITY TYPES

Church (ChurchID, Name, Location, Minister)

Person (PersonID, Name, Gender, Age, DOB)

Ministry (MinistryID, Name)

Program (ProgramID, Name, Location, Description, Attendance)

Classroom (ClassroomID, RoomNumber, AgeGroup, Teacher)

Role (RoleID, RoleDescription)

## ENTITY RELATIONSHIP

A **Church** is attended by one-to-many **Persons** however, a **Person** can only belong to a **Church**.

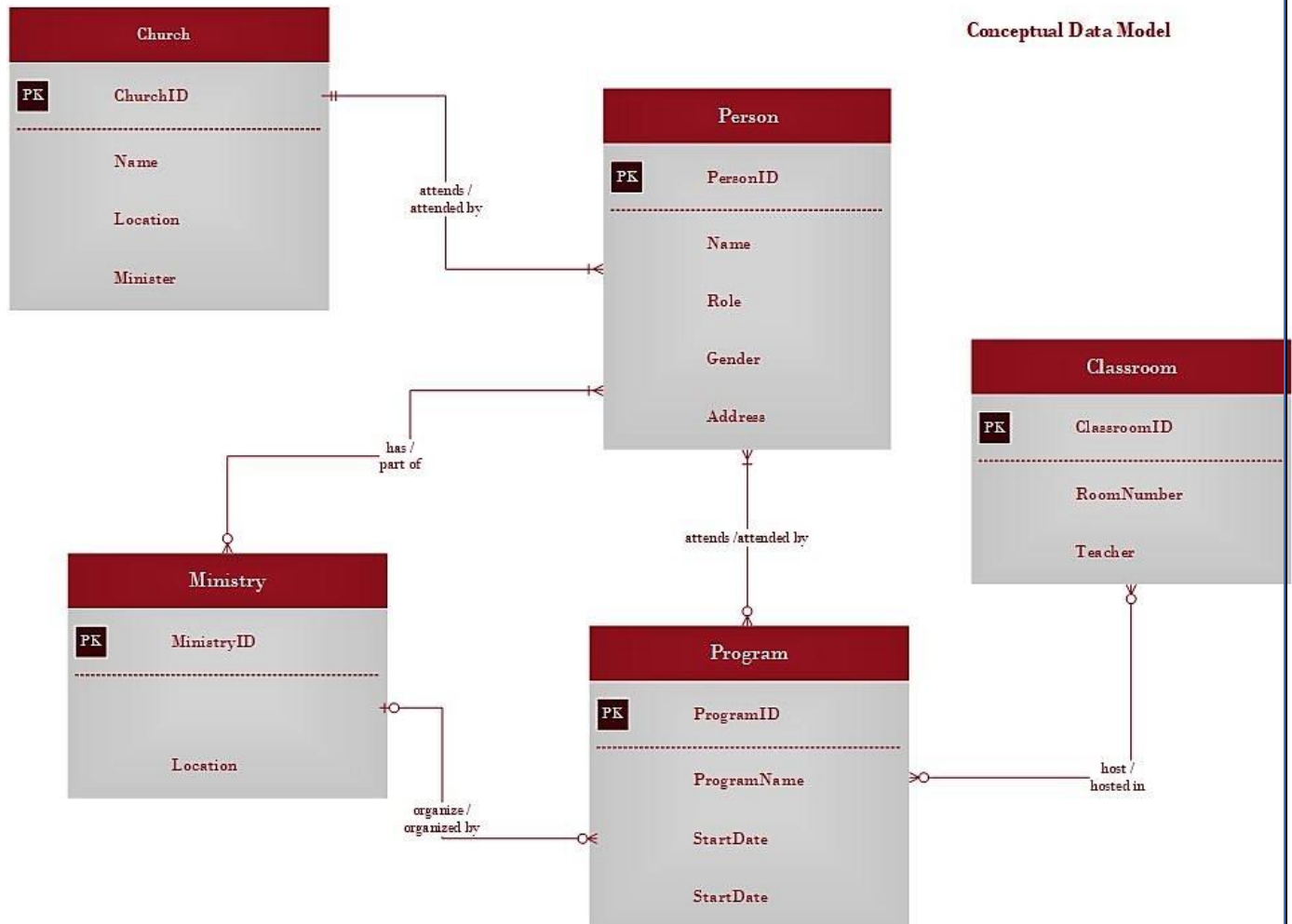
A **Person** can be part of zero-one-to-many **Ministries** and a **Ministry** can have one-to-many members

A **Program** can be organized by zero-to-one **Ministry** and a **Ministry** can organize zero-one-to-many **Programs**

A **Program** can be attended by one-to-many **Persons** and a **Person** can attended zero-one-to-many **Programs**.

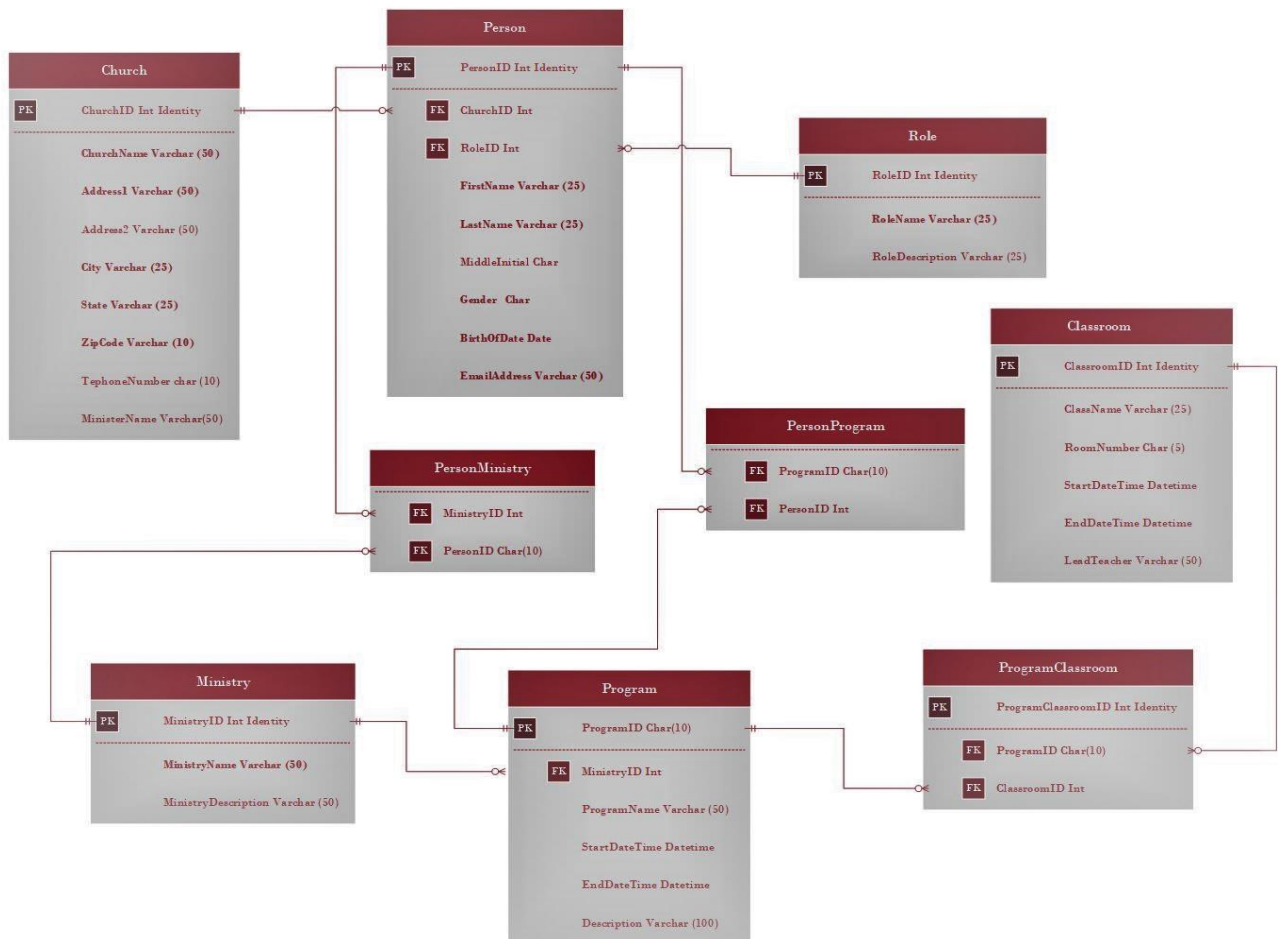
A **Program** can be hosted in **zero-one-to-many Classrooms** and a **Classroom** host **one-to-many Programs**.

## Conceptual Data Model



## Normalized Logical Data Model

### Normalized Logical Data Model



## PHYSICAL DATABASE DESIGN

### DDL CODES: TABLES CREATION

```
USE IST659CLASS; -- This specifies the database we want to use for our project.
GO
CREATE SCHEMA Project -- Created a Schema for the Project instead of using DEFAULT
schema dbo
GO
-- Church Table
USE IST659CLASS; -- This specifies the database we want to use for our project objects.
GO
-- check if table exists in INFORMATION_SCHEMA
IF NOT EXISTS (SELECT * FROM INFORMATION_SCHEMA.TABLES WHERE TABLE_NAME =
'Project.Church')
BEGIN
    DROP TABLE Project.Church; -- If table exists, the table is DROPPED
END
GO
CREATE TABLE Project.Church(
    ChurchID Int Identity,
    ChurchName Varchar (50) NOT NULL,
    Address1 Varchar(50) NOT NULL,
    Address2 Varchar(50),
    City Varchar (25) NOT NULL,
    State Varchar (25) NOT NULL,
    ZipCode Varchar (10) NOT NULL,
    TelephoneNumber Varchar (25) NOT NULL,
    MinisterName Varchar (50) NOT NULL,
    BranchName AS (ChurchName + '-' + City, -- added a computed column
CONSTRAINT UQ_City UNIQUE (City),
CONSTRAINT PK_ChurchID PRIMARY KEY (ChurchID))

-- Role Table
IF OBJECT_ID (N'Project.Role', N'U') IS NOT NULL -- Another approach of checking if table
exists
    DROP TABLE Project.Role;
GO
CREATE TABLE Project.Role(
    RoleID Int Identity,
    RoleName Varchar (25) NOT NULL,
    RoleDescription Varchar (50),
    CONSTRAINT UQ_Role UNIQUE(RoleName),
    CONSTRAINT PK_RoleID PRIMARY KEY (RoleID))

-- Person Table
IF OBJECT_ID (N'Project.Person', N'U') IS NOT NULL -- Another approach of checking if
table exists
    DROP TABLE Project.Person;
GO
CREATE TABLE Project.Person(
    PersonID Int Identity,
    ChurchID Int,
    RoleID Int,
    FirstName Varchar (25) NOT NULL,
```



```

        LastName Varchar (25) NOT NULL,
        MiddleInitial Char,
        Gender Char NOT NULL,
        DateOfBirth Date NOT NULL,
        EmailAddress Varchar (50) NOT NULL,
        CONSTRAINT PK_PersonID PRIMARY KEY (PersonID),
        CONSTRAINT FK_Person_ChurchID FOREIGN KEY(ChurchID) REFERENCES
Project.Church(ChurchID),
        CONSTRAINT FK_Person_RoleID FOREIGN KEY(RoleID) REFERENCES Project.Role(RoleID),
        CONSTRAINT UQ_Person_EmailID UNIQUE (EmailAddress))

/*
I noticed the Project.Person table need a Column to take Telephone numbers so I created a
column for the Person table by ALTERING the Project.Person Table
*/
ALTER Table Project.Person
ADD PhoneNumber Char (25) NULL; -- null allows for those without telephone numbers or
prefer not to give out their numbers.

-- added Default Constraint to Person table after noticing I omitted it
ALTER TABLE Project.Person
ADD CONSTRAINT DF_PhoneNumber --Default Name as DF_PhoneNumber
DEFAULT 'xxx-xxx-xxxx' FOR PhoneNumber; -- xxx-xxx-xxxx being our default phone number

-- Ministry Table
IF OBJECT_ID (N'Project.Ministry', N'U') IS NOT NULL -- Another approach of checking if
table exists
    DROP TABLE Project.Ministry;
GO
CREATE TABLE Project.Ministry(
    MinistryID Int Identity,
    MinistryName Varchar (50) NOT NULL,
    MinistryDescription Varchar (100),
    CONSTRAINT PK_MinistryID PRIMARY KEY (MinistryID))

-- Program Table
IF OBJECT_ID (N'Project.Program', N'U') IS NOT NULL
    DROP TABLE Project.Program;
GO
CREATE TABLE Project.Program(
    ProgramID Char (100), -- changed datatype to varchar
    MinistryID Int,
    ProgramName Varchar (50) NOT NULL,
    StartDateTime Datetime NOT NULL,
    EndDateTime Datetime NOT NULL,
    Description Varchar (100) NULL,
    CONSTRAINT PK_ProgramID PRIMARY KEY (ProgramID),
    CONSTRAINT FK_Program_MinistryID FOREIGN KEY(MinistryID) REFERENCES
Project.Ministry(MinistryID))

-- Classroom Table
IF OBJECT_ID (N'Project.Classroom', N'U') IS NOT NULL
    DROP TABLE Project.Classroom;
GO
CREATE TABLE Project.Classroom(
    ClassroomID Int Identity,

```

```

        ClassName Varchar (50) NOT NULL,
        RoomNumber Char (5) NOT NULL,
        StartDateTime Datetime NOT NULL,
        EndDateTime Datetime NOT NULL,
        LeadTeacher Varchar (50) NOT NULL,
        CONSTRAINT PK_ClassroomID PRIMARY KEY (ClassroomID))

-- Creating Bridge Tables (PersonMinistry, PersonProgram and ProgramClassroom)
--PersonMinistry Table
/*
In creating the bridge table, I came to the realization that
PersonMinistryID, PersonProgramID columns weren't necessary since they won't create
any unique identifier for the records. so, I removed it from the
table creation
*/
IF OBJECT_ID (N'Project.PersonMinistry', N'U') IS NOT NULL
    DROP TABLE Project.PersonMinistry;
GO
CREATE TABLE Project.PersonMinistry(
    PersonID Int NOT NULL,
    MinistryID Int NOT NULL,
    CONSTRAINT FK_PersonMin_PersonID FOREIGN KEY(PersonID) REFERENCES
Project.Person(PersonID),
    CONSTRAINT FK_PersonMin_MinistryID FOREIGN KEY(MinistryID) REFERENCES
Project.Ministry(MinistryID))

--PersonProgram Table
IF OBJECT_ID (N'Project.PersonProgram', N'U') IS NOT NULL
    DROP TABLE Project.PersonProgram;
GO
CREATE TABLE Project.PersonProgram(
    ProgramID Char (10) NOT NULL,
    PersonID Int NOT NULL,
    CONSTRAINT FK_PersonProg_ProgramID FOREIGN KEY(ProgramID) REFERENCES
Project.Program(ProgramID),
    CONSTRAINT FK_PersonProg_PersonID FOREIGN KEY(PersonID) REFERENCES Project. Person
(PersonID))

--ProgramClassroom Table
IF OBJECT_ID (N'Project.ProgramClassroom', N'U') IS NOT NULL
    DROP TABLE Project.ProgramClassroom;
GO
CREATE TABLE Project.ProgramClassroom(
    ProgramClassroomID Int Identity,
    ProgramID Char NOT NULL,
    ClassroomID Int NOT NULL,
    CONSTRAINT FK_ProgramClass_ProgramID FOREIGN KEY(ProgramID) REFERENCES
Project.Program(ProgramID),
    CONSTRAINT FK_ProgramClass_ClassroomID FOREIGN KEY(ClassroomID) REFERENCES
Project.Classroom(ClassroomID))

/*****END OF TABLE CREATION IN "PROJECT" SCHEMA*****/

```

## VIEWS

```

/*
I decided to create a view for the Outreach Team for them to be able to follow up on
visitors
*/

```

```

CREATE VIEW Project.vw_VisitorsDetails
AS

```

```

    SELECT
        R.RoleName,
        P.FirstName,
        P.LastName,
        P.Gender,
        P.EmailAddress,
        P.PhoneNumber
    FROM Project.Church AS C
    INNER JOIN Project.Person AS P
    ON P.ChurchID = C.ChurchID
    INNER JOIN Project.Role AS R
    ON P.RoleID = R.RoleID
    WHERE R.RoleID = 6;

```

```

-- the view
SELECT * FROM Project.vw_VisitorsDetails;

```

```

Drop View Project.vw_VisitorsDetails; -- Drop view anytime I want from the system

```

## STORED PROCEDURES

```

/*The Sproc will fetch Attendance for every Ministry
this will help answer business question related to attendance and demand for larger space
and facilities or supplies for programs
*/

```

```

CREATE PROCEDURE Project.SP_ProgramAttendance @Month Char(3)
AS

```

```

    BEGIN
    SELECT
        P.MinistryID,
        M.MinistryName,
        P.ProgramName,
        COUNT(P.ProgramID) AS CountOfProgramAttendance, /*gives the count of
attendance
by program*/
        CONVERT(Varchar(3), StartDateTime, 100) AS Period /* this pulls the month
from the date. this line of code will ensure we limit the count to defined
period say month*/
    FROM Project.Program AS P
    INNER JOIN Project.PersonProgram AS PP
    ON P.ProgramID = PP.ProgramID
    INNER JOIN Project.Person AS C
    ON PP.PersonID = C.PersonID
    INNER JOIN Project.Ministry AS M
    ON M.MinistryID = P.MinistryID
    WHERE CONVERT(Varchar(3), StartDateTime, 100) = @Month /*-- filters the our search
to a particular period which is the parameter and in this case months*/

```

```

        GROUP BY P.MinistryID, M.MinistryName, P.ProgramName, CONVERT(Varchar(3),
StartDateTime, 100)
        ORDER BY MinistryID ASC
END;

DROP PROCEDURE Project.SP_ProgramAttendance -- I could have just ALTER the PROCEDURE but
decide to drop and recreate.

EXECUTE Project.SP_ProgramAttendance 'Feb'

```

## DATA CREATION

### INSERT STATEMENTS

```

/***** BEGIN INSERT STATEMENTS *****/

```

--The following scripts are sample scripts used to insert records or data into the various tables created.

#### --Project.Church Table

```

INSERT INTO Project.Church(ChurchName, Address1, Address2, City, State, ZipCode,
TelephoneNumber, MinisterName)
VALUES ('Visitor', 'Visitor', 'Visitor', 'Visitor', 'Visitor', 'Visitor', 'Visitor',
'Visitor'), ('Qodesh Family Church', '14801 Physicians Lane', NULL, 'Germantown',
'Maryland', '20874', '240-410-8457', 'Pastor Happy Kumah'), ('Qodesh Family Church',
'9104 Bakerhill Court', NULL, 'Gaithersburg', 'Maryland', '20886', '240-358-7953',
'Reverand David Forson'), ('Qodesh Family Church', '5440 Old Tucker Row', NULL,
'Columbia', 'Maryland', '21044', '443-561-9904', 'Pastor Angel Kumah'), ('First Love
Church', '5200 Perring Parkway', 'Morgan State University', 'Baltimore City', 'Maryland',
'21214', '347-621-9159', 'Reverand Gregory Block'), ('First Love Church', '2094 North
Warwick Avenue', 'Copping State University', 'Baltimore', 'Maryland', '21214', '410-568-
2152', 'Lady Pastor Sarah Woods'), ('Qodesh Family Church', '7954A Twist Lane', NULL,
'Springfield', 'Virginia', '22153', '703-652-2015', 'Pastor Darlene Singar'),

```

#### --Project.Role Table

```

INSERT INTO Project.Role(RoleName, RoleDescription)
VALUES('Minister', 'Spiritual Leader of the Church'), ('Worker', 'Employee of the
Church'), ('Pastor', 'Trained Spiritual Leader Associated to the Church'), ('Shepherd',
'Leader of a Ministry'), ('Member', 'Person affiliated to the Church'), ('Visitor',
'Person Looking for a Place of Worship')

```

#### --Project.Person Table

```

INSERT INTO Project.Person(ChurchID, RoleID, FirstName, LastName, MiddleInitial, Gender,
DateOfBirth, EmailAddress)
VALUES (2, 1, 'Happy', 'Kumah', NULL, 'M', '10-29-1971', 'happy.kumah@qgc.org'),
(2, 5, 'Justin', 'King', NULL, 'M', '03-14-1990', 'justin.king@gmail.com'),
(2, 5, 'Lily', 'Robertson', NULL, 'F', '12-28-1965', 'lily.robertson@gmail.com'),
(2, 4, 'Nathan', 'Mackay', 'D', 'M', '02-12-1990', 'nathan.mackay@hotmail.com'),
(2, 5, 'Amanda', 'Rutherford', 'L', 'F', '05-15-1981', 'amanda.rutherford@yahoo.com'),
(2, 4, 'Alison', 'Wilkins', NULL, 'F', '09-21-1977', 'alison.wilkins@gmail.com'),
(5, 5, 'Joseph', 'Lambert', 'T', 'M', '03-01-1989', 'joseph.lambert@gmail.com'),
(2, 5, 'Carl', 'Cornish', NULL, 'M', '07-24-2000', 'carl.cornish@gmail.com'),

```

### --Project.Ministry Table

```
INSERT INTO Project.Ministry(MinistryName, MinistryDescription)
VALUES('Youth Development', 'Ministry for youth Developing. Age Group 13-17'), ('Mens',
'Ministry for Solely Men and is focused on Men Related Issues'), ('Womens', 'Ministry for
Solely Women and focused on Women Related Issues'), ('Marriage & Family', 'Ministry for
Developing and Supporting Good Marraiges'), ('Outreach', 'Ministry for reaching out to
others'), ('Prayer Support', 'Prayer works Ministry. Pray and Support Others with
Prayer'), ('Senior Adults', 'Ministry for Senior Citizens'), ('Young Adults', 'Ministry
for Individuals in their 20s or Singles'), ('Divorce Care', 'Ministry for Supporting
People going through Divorce'), ('Music & Worship', 'Ministry for Praise and Worship')
```

### --Project.Program Table

```
INSERT INTO Project.Program(MinistryID, ProgramName, StartDateTime, EndDateTime)
VALUES ('1-YD-0001', 1, 'Elevate Night', '01-12-2019 18:45:00', '01-12-2019 20:30:00'),
('2-MM-0001', 2, 'Iron Sharpening Iron', '01/27/2018 21:00:00', '01/27/2018 22:45:00'),
('3-WW-0001', 3, 'Every Woman"s Grace', '01/30/2018 18:30:00', '01/30/2018 20:00:00'),
('4-MF-0001', 4, 'The Healthy Blended Family', '01/14/2018 14:45:00', '01/14/2018
14:15:00'), ('5-OO-0001', 5, 'Frederick Rescue Mission', '01/05/2018 09:00:00',
'01/05/2018 18:30:00'), ('6-PS-0001', 6, 'Prayer Support', '01/12/2018 06:00:00',
'01/12/2018 07:30:00'), ('7-SA-0001', 7, 'Serious Fitness', '01/19/2018 09:00:00',
'01/19/2018 10:45:00'), ('8-YA-0001', 8, 'Young Adults Worship Night', '01/20/2018
21:15:00', '01/14/2018 22:45:00'), ('9-DC-0001', 9, 'Divorce Care', '01/26/2018
19:00:00', '01/26/2018 20:15:00'),
```

### --Project.Classroom Table

```
INSERT INTO Project.Classroom(ClassName, RoomNumber, StartDateTime, EndDateTime,
LeadTeacher) --ClassName reps the name of the ProgramName for that moment
VALUES ('Elevate Night', 'Z056', '01-12-2019 18:45:00', '01-12-2019 20:30:00', 'Nathan
Mackay'), ('Iron Sharpening Iron', 'T858', '01/27/2018 21:00:00', '01/27/2018 22:45:00',
'Nathan Dowd'), ('Every Woman"s Grace', 'E746', '01/30/2018 18:30:00', '01/30/2018
20:00:00', 'Cara Raymonds'), ('The Healthy Blended Family', 'Q813', '01/14/2018
14:45:00', '01/14/2018 14:15:00', 'Venus Curabitur'), ('Frederick Rescue Mission',
'C813', '01/05/2018 09:00:00', '01/05/2018 18:30:00', 'Samantha Burgess'), ('Prayer
Support', 'E746', '01/12/2018 06:00:00', '01/12/2018 07:30:00', 'Cara Raymonds'),
('Serious Fitness', 'Z056', '01/19/2018 09:00:00', '01/19/2018 10:45:00', 'Zoe Nolan'),
('Young Adults Worship Night', 'K159', '01/20/2018 21:15:00', '01/14/2018 22:45:00',
'Nathan Mackay'), ('Divorce Care', 'T858', '01/26/2018 19:00:00', '01/26/2018 20:15:00',
'Alison Wilkins')
```

### -- Inserting into Bridge Tables

#### -- Project.PersonMinistry

```
INSERT INTO Project.PersonMinistry(MinistryID, PersonID)
VALUES (2, 1), (2, 2), (2, 4), (2, 7), (2, 10), (2, 11), (2, 12), (2, 16), (2, 19), (2,
35), (2, 35), (2, 48), (2, 54), (2, 89), (2, 98), (2, 93), (2, 103), (2, 107), (2, 108),
(2, 109), (2, 110), (2, 124), (3, 5), (3, 6), (3, 9), (3, 13), (3, 18), (3, 21), (3, 25),
(3, 26), (3, 27), (3, 31), (3, 32), (3, 38), (3, 40), (3, 43), (3, 44), (3, 47), (3, 51)
```

#### -- Project.PersonProgram

```
INSERT INTO Project.PersonProgram (ProgramID, PersonID)
VALUES ('1-YD-0001', 34), ('1-YD-0001', 50), ('1-YD-0001', 49), ('1-YD-0001', 36), ('1-
YD-0001', 53), ('1-YD-0001', 24), ('1-YD-0001', 42), ('1-YD-0001', 17), ('2-MM-0001',
108), ('2-MM-0001', 124), ('2-MM-0001', 2), ('3-WW-0001', 122), ('3-WW-0001', 121), ('3-
```

```
WW-0001', 69), ('3-WW-0001', 69), ('4-MF-0001', 47), ('4-MF-0001', 91), ('4-MF-0001', 95), ('4-MF-0001', 32), ('5-00-0001', 1), ('5-00-0001', 59), ('5-00-0001', 110)
```

#### --Project.ProgramClassroom

```
INSERT INTO Project.ProgramClassroom(ProgramID, ClassroomID)
VALUES('1-YD-0001', 1), ('2-MM-0001', 2), ('3-WW-0001', 3), ('4-MF-0001', 4), ('5-00-0001', 5),
('6-PS-0001', 6), ('7-SA-0001', 7), ('8-YA-0001', 8), ('9-DC-0001', 9), ('1-YD-0002', 10),
('2-MM-0002', 11), ('3-WW-0002', 12), ('4-MF-0002', 13), ('5-00-0002', 14), ('6-PS-0002', 15),
('7-SA-0002', 16), ('8-YA-0002', 17), ('9-DC-0002', 18)
```

## DATA MANIPULATION

### ALTER TABLE, UPDATE AND DELETE STATEMENTS

```
-- added Default Constraint to Person table after noticing I omitted it
ALTER TABLE Project.Person
ADD CONSTRAINT DF_PhoneNumber --Default Name as DF_PhoneNumber
DEFAULT 'xxx-xxx-xxxx' FOR PhoneNumber; -- xxx-xxx-xxxx being our default phone number

-- I noted a spelling error for the CITY Fairfax. Originally as Faifax
UPDATE Project.Church
SET CITY = 'Fairfax' -- correct CITY name
WHERE ChurchID = 8

-- The following UPDATES were also made to correct the spelling of REVERAND in the
MinistryName Column
--Reverand David Forson
UPDATE Project.Church
SET MinisterName = 'Reverend David Forson' -- correct Minister's title
WHERE ChurchID = 3

--Reverand Gregory Block
UPDATE Project.Church
SET MinisterName = 'Reverend Gregory Block' -- correct Minister's title
WHERE ChurchID = 5

--Reverand Anthony Kobi
UPDATE Project.Church
SET MinisterName = 'Reverend Anthony Kobi' -- correct Minister's title
WHERE ChurchID = 8

--Reverand Edem Ameko
UPDATE Project.Church
SET MinisterName = 'Reverend Edem Ameko' -- correct Minister's title
WHERE ChurchID = 9

--Reverand Richard Tori
UPDATE Project.Church
SET MinisterName = 'Reverend Richard Tori' -- correct Minister's title
WHERE ChurchID = 16
```

```

-- UPDATE to correct spelling of 'Marriages'
-- I also did not like the description --supporting good marraiges-- so made changes to
the effect.

-- Ministry for Developing and Supporting Good 'Marraiges'
UPDATE Project.Ministry
SET MinistryDescription = 'Ministry for Developing Good Marriages' -- re-defined the
ministry
WHERE MinistryID = 4

-- Update statement to fix spelling mistake
UPDATE Project.Program
SET ProgramName = 'Weekend Youth Services' -- corrected ProgramName
WHERE ProgramName = 'Weeked Youth Services' -- typo error in 'weeked'

```

## BUSINESS QUESTIONS ANSWERED

**Which ministry recorded the highest number of program attendances for a particular month.**

```

SELECT
    P.MinistryID,
    M.MinistryName,
    P.ProgramName,
    COUNT(P.ProgramID) AS CountOfProgramAttendance, /*gives the count of attendance
    by program*/
    CONVERT(Varchar(3), StartDateTime, 100) AS Period /* this pulls the month
    from the date. this line of code will ensure we limit the count to defined
    period say month*/
FROM
    Project.Program AS P
    INNER JOIN Project.PersonProgram AS PP
    ON P.ProgramID = PP.ProgramID
    INNER JOIN Project.Person AS C
    ON PP.PersonID = C.PersonID
    INNER JOIN Project.Ministry AS M
    ON M.MinistryID = P.MinistryID
WHERE CONVERT(Varchar(3), StartDateTime, 100) = 'Jan' /*-- filters the our search
to a particular period. in
this case months*/
GROUP BY P.MinistryID, M.MinistryName, P.ProgramName, CONVERT(Varchar(3), StartDateTime,
100)
ORDER BY MinistryID ASC

```

Results		Messages			
	MinistryID	MinistryName	ProgramName	CountOfProgram/Attendance	Period
1	1	Youth Development	Elevate Night	48	Jan
2	2	Mens	Iron Sharpening Iron	19	Jan
3	3	Womens	Every Woman's Grace	26	Jan
4	4	Marriage & Family	The Healthy Blended Family	19	Jan
5	5	Outreach	Frederick Rescue Mission	21	Jan
6	6	Prayer Support	Prayer Support	26	Jan
7	7	Senior Adults	Serious Fitness	20	Jan
8	8	Young Adults	Young Adults Worship Night	24	Jan
9	9	Divorce Care	Divorce Care	10	Jan

Query executed successfully. RIC

## What is the total membership and percentage distribution of each of the ministry or group in Qodesh Family Church - Germantown?

----- Business Questions -----

/\*What is the total membership and percentage distribution of each of the ministry or group in Qodesh Family Church - Germantown? \*/

GO;

/\*

There are four tables involved in this query. The focus is to come out with the membership count for each ministry. I therefore need Project.Person Table and Ministry table.

However, this table has many to many relationship so I used Project.PersonMinistry as a bridge table which basically contains membership of all the ministries.

\*/

SELECT

X.MinistryID,

X.MinistryName,

COUNT(Y.MinistryID) AS TotalMemberCount -- takes a count of each ministry in

PersonMinistry

FROM Project.Ministry AS X

INNER JOIN Project.PersonMinistry AS Y

ON X.MinistryID = Y.MinistryID

INNER JOIN Project.Person AS Z

ON Y.PersonID = Z.PersonID

INNER JOIN Project.Church AS C

ON C.ChurchID = Z.ChurchID

WHERE BranchName = 'Qodesh Family Church-Germantown' --the filter is for Germantown Branch

GROUP BY X.MinistryID, X.MinistryName

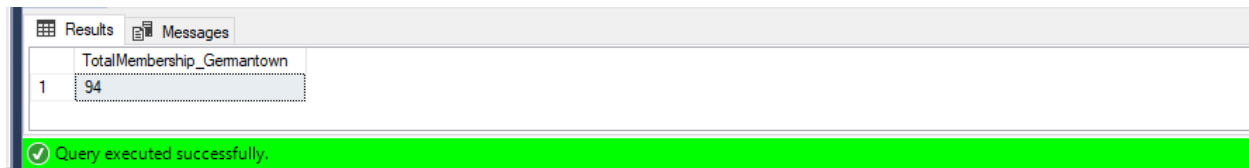
ORDER BY TotalMemberCount DESC

Results		Messages	
	MinistryID	MinistryName	TotalMemberCount
1	3	Womens	26
2	2	Mens	23
3	8	Young Adults	21
4	5	Outreach	18
5	6	Prayer Support	18
6	1	Youth Development	17
7	4	Marriage & Family	7
8	7	Senior Adults	7
9	9	Divorce Care	2



## What is the gender demographic for the Qodesh Family church - Germantown

```
/*
First determine the total number of members in Qodesh Family Church - Germantown
Then write a query to show distribution of men and women in the church.
*/
SELECT COUNT(*) AS TotalMembership_Germantown -- users the filter to take count of all
members in Germantown Branch
FROM Project.Person a
INNER JOIN Project.Church b
ON a.ChurchID = b.ChurchID
WHERE BranchName = 'Qodesh Family Church-Germantown' -- this filters the Branch of Church
to Germantown
```

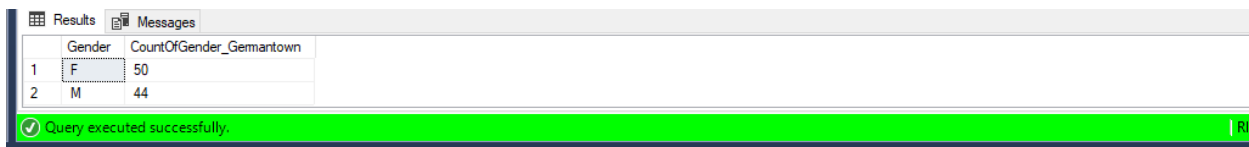


The screenshot shows the SQL Server Enterprise Manager interface. The 'Results' tab is active, displaying a single row with the value 94 for the column 'TotalMembership\_Germantown'. Below the results, a green status bar indicates 'Query executed successfully.'

	TotalMembership_Germantown
1	94

Now to answer the business question

```
-- What is the gender demographic for the Qodesh Family church - Germantown
-- all Persons in the Germantown church and not limited to only those in Ministries.
/*This query will provide a count for MALES and FEMALES in the Qodesh Family Church-
Germantown
Branch*/
SELECT
    Z.Gender, -- Gender being the focus of our query
    COUNT(Z.Gender) AS CountOfGender_Germantown -- uses the filter to take count of
all members in Germantown Branch
FROM Project.Church AS X
INNER JOIN Project.Person AS Z
ON X.ChurchID = Z.ChurchID
WHERE X.BranchName = 'Qodesh Family Church-Germantown' -- this filters the Branch of
Church to Germantown
GROUP BY Z.Gender
```



The screenshot shows the SQL Server Enterprise Manager interface. The 'Results' tab is active, displaying two rows of data. The first row shows 'F' for Gender and 50 for CountOfGender\_Germantown. The second row shows 'M' for Gender and 44 for CountOfGender\_Germantown. Below the results, a green status bar indicates 'Query executed successfully.'

	Gender	CountOfGender_Germantown
1	F	50
2	M	44

## What is the trend of attendance of both males and females?

```
-- In answering this business question. I created a SPROC that takes two parameters
-- Month and Gender. This will answer the question male/female attendance.
CREATE PROCEDURE Project.SP_GenderAttendanceDistribution @Month char(3), @Gender Char
AS
BEGIN
    SELECT
        P.MinistryID,
        M.MinistryName,
        P.ProgramName,
```

```

COUNT(P.ProgramID) AS CountOfProgramAttendance, /*gives the count of
attendance

by program*/
    CONVERT(Varchar(3), StartDateTime, 100) AS Period /* this pulls the month
from the date. this line of code will ensure we limit the count to defined
period say month*/
FROM
Project.Program AS P
INNER JOIN Project.PersonProgram AS PP
ON P.ProgramID = PP.ProgramID
INNER JOIN Project.Person AS C
ON PP.PersonID = C.PersonID
INNER JOIN Project.Ministry AS M
ON M.MinistryID = P.MinistryID
WHERE CONVERT(Varchar(3), StartDateTime, 100) = @Month AND GENDER = @Gender --
where the parameters will be applied
GROUP BY P.MinistryID, M.MinistryName, P.ProgramName, CONVERT(Varchar(3),
StartDateTime, 100)
ORDER BY MinistryID ASC, Period
END;

EXEC Project.SP_GenderAttendanceDistribution 'Jan', 'M' -- This fetches MALES for January
period
EXEC Project.SP_GenderAttendanceDistribution 'Jan', 'F' -- This fetches FEMALES for
February period

--Repeat for Feb.
EXEC Project.SP_GenderAttendanceDistribution 'Feb', 'M' -- This fetches MALES for January
period
EXEC Project.SP_GenderAttendanceDistribution 'Feb', 'F' -- This fetches FEMALES for
February period

```

149 EXEC Project.SP\_GenderAttendanceDistribution 'Jan', 'M' -- This fetches MALES for January period  
150 EXEC Project.SP\_GenderAttendanceDistribution 'Jan', 'F' -- This fetches FEMALES for February period

99 %

MinistryID	MinistryName	ProgramName	CountOfProgramAttendance	Period
1	Youth Development	Elevate Night	22	Jan
2	Mens	Iron Sharpening Iron	19	Jan
3	Outreach	Frederick Rescue Mission	9	Jan
4	Prayer Support	Prayer Support	7	Jan
5	Senior Adults	Serious Fitness	6	Jan
6	Young Adults	Young Adults Worship Night	9	Jan
7	Divorce Care	Divorce Care	3	Jan

MinistryID	MinistryName	ProgramName	CountOfProgramAttendance	Period
1	Youth Development	Elevate Night	26	Jan
2	Womens	Every Woman's Grace	26	Jan
3	Marriage & Family	The Healthy Blended Family	19	Jan
4	Outreach	Frederick Rescue Mission	12	Jan
5	Prayer Support	Prayer Support	19	Jan

**How many (trend) people attended programs organized by the various ministries over the past two months (this can be any given period).**

The focus here is the trend of membership attendance for the period.

In order to answer this question, I used the month of January and February to determine the Ministry with the highest or lowest number of attendance. This could have expanded if I had the time.

```
-- This script is similar to a previous business question code
-- the difference, this code uses the 'IN' operator in the WHERE to include the periods
SELECT
    P.MinistryID,
    M.MinistryName,
    P.ProgramName,
    COUNT(P.ProgramID) AS CountOfProgramAttendance, /*gives the count of attendance
    by program*/
    CONVERT(Varchar(3), StartDateTime, 100) AS Period /* this pulls the month
    from the date. this line of code will ensure we limit the count to defined
    period say month*/
FROM
    Project.Program AS P
    INNER JOIN Project.PersonProgram AS PP
    ON P.ProgramID = PP.ProgramID
    INNER JOIN Project.Person AS C
    ON PP.PersonID = C.PersonID
    INNER JOIN Project.Ministry AS M
    ON M.MinistryID = P.MinistryID
WHERE CONVERT(Varchar(3), StartDateTime, 100) IN ('Jan', 'Feb') /*-- filters the our
search with the IN operator*/
GROUP BY P.MinistryID, M.MinistryName, P.ProgramName, CONVERT(Varchar(3), StartDateTime,
100)
ORDER BY MinistryID ASC, Period
```

	MinistryID	MinistryName	ProgramName	CountOfProgramAttendance	Period
1	1	Youth Development	Weekend Youth Services	44	Feb
2	1	Youth Development	Elevate Night	48	Jan
3	2	Mens	Iron Sharpening Iron	15	Feb
4	2	Mens	Iron Sharpening Iron	19	Jan
5	3	Womens	Every Woman's Grace	31	Feb
6	3	Womens	Every Woman's Grace	26	Jan
7	4	Marriage & Family	Making the Most of your Marriage	25	Feb
8	4	Marriage & Family	The Healthy Blended Family	19	Jan
9	5	Outreach	Frederick Rescue Mission	19	Feb

Query executed successfully.

## RAW DATA SAMPLES

In most cases, records for my database for the purpose of this project was generated using a dummy data generator from the internet. Most fields have to be refined in order to meet the expectations and answer all business questions. However, in real life raw data begins with a **Welcome Card** from the Outreach team as below and records will be populated in the sample of excel file shown .

## Visitors and First Timers Welcome Card

**welcome**  
Thank you for visiting with us today.

Date: \_\_\_\_\_  
 Name(s): \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City/State/Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Status: ☐ Single ☐ Married  
 E-Mail: \_\_\_\_\_  
 Age Groups: ☐ 13-19 ☐ 20-29 ☐ 30-39 ☐ 40-49 ☐ 50-59 ☐ 60-Older

Children:  
 Name: \_\_\_\_\_ Age: \_\_\_\_\_ Name: \_\_\_\_\_ Age: \_\_\_\_\_  
 Name: \_\_\_\_\_ Age: \_\_\_\_\_ Name: \_\_\_\_\_ Age: \_\_\_\_\_

Please check the applicable boxes:  
☐ First time visitor ☐ Returning Visitor ☐ Would like to know more about this church  
☐ New to area ☐ Would like a visit ☐ Would like to know more about being a Christian

Guest of: \_\_\_\_\_  
**Church/Pastor Name Here**

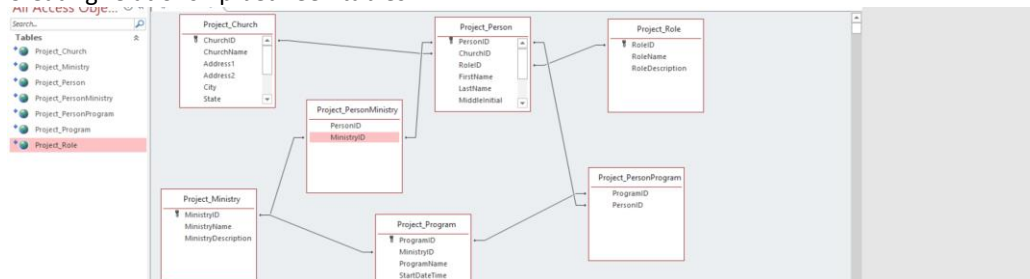
## Sample records sheet

Raw Data Information Sheet											
Date	Name	Address	City/ZipCode	State/Country	DOB	Email	Phone	Purpose	Church	Minister Name	

## IMPLEMENTATION

### Microsoft Access User Interface

#### Creating relationship between tables



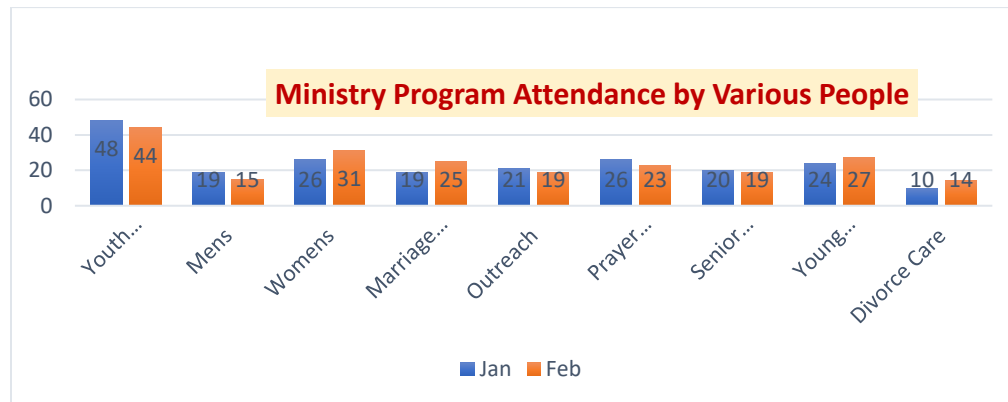
## Person Form

Access Obje...

ChurchID	RoleID	FirstName	LastName	M	G	DateOfBirth	Email
5	Raphael	Maphael	R	F	2000-07-27	aenean.m	
2	5 Alexander	Bailey	D	M	1982-01-12	alexander.	
2	5 Alexander	Baileys	D	M	2003-01-12	alexander.	
2	5 Alexander	Gills	D	M	2003-01-12	alexander.	
2	5 Alexandra	Russell	F	F	1985-05-12	alexandra.	
2	5 Irene	Aliquam	Z	F	1998-11-20	aliquam@	
2	3 Alison	Mackenzie	W	F	1969-02-28	alison.mac	
2	4 Alison	Wilkins	F	F	1977-09-21	alison.wil	
2	5 Amanda	Rutherford	L	F	1981-05-15	amanda.ru	
3	3 Uma	Pellentesque	N	F	2003-09-03	amet.orci	
12	3 Andrea	Terry	K	F	1980-07-18	andrea.ter	
2	5 Andrew	Gill	M	F	1997-08-03	andrew.gil	
2	3 Fiona	Nam	A	F	1981-12-05	ante.ipsun	
2	5 Caillin	Ipsum	F	F	2001-10-12	arcu.civam	
1	6 Ori	Maxwells	F	F	2001-12-13	arcu.Vivan	
1	6 Ariel	Tempus	W	F	1987-10-27	ariel.temp	
1	6 Amena	Lesley	C	F	1985-07-22	auctor.nisl	
5	5 Evelyn	Elmo	S	F	2000-10-20	auctor.velli	

Which ministry recorded the highest number of program attendances for the past months.

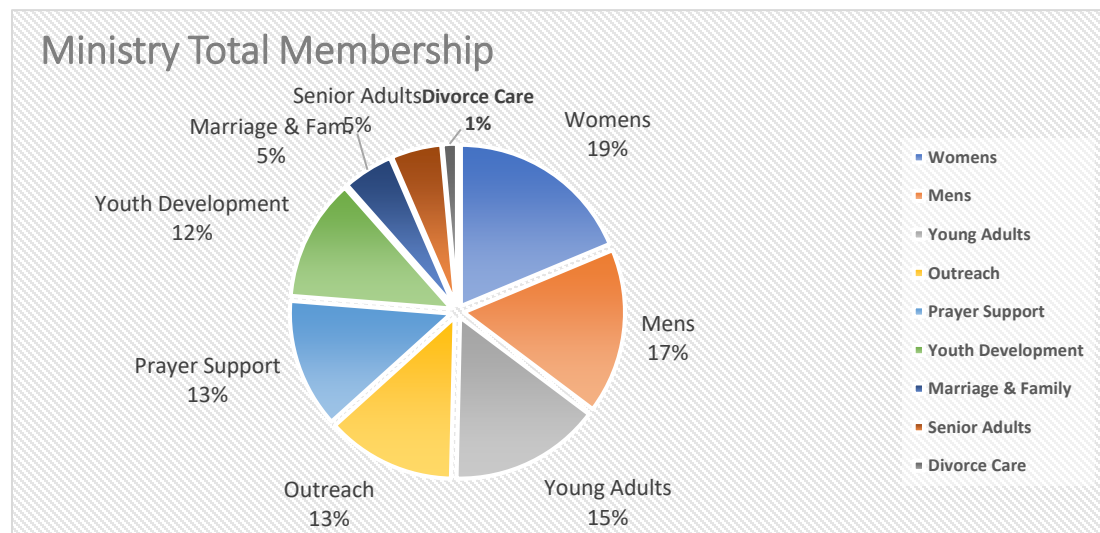
Program Attendance for the period of January 2018 - February 2018				
Ministry	Program	Attendance	Month	
Youth Development	Weekend Youth Services	44	Feb	
Youth Development	Elevate Night	48	Jan	
Mens	Iron Sharpening Iron	15	Feb	
Mens	Iron Sharpening Iron	19	Jan	
Womens	Every Woman's Grace	31	Feb	
Womens	Every Woman's Grace	26	Jan	
Marriage & Family	Making the Most of your Marriage	25	Feb	
Marriage & Family	The Healthy Blended Family	19	Jan	
Outreach	Frederick Rescue Mission	19	Feb	
Outreach	Frederick Rescue Mission	21	Jan	
Prayer Support	Prayer Support	23	Feb	
Prayer Support	Prayer Support	26	Jan	
Senior Adults	Jesus-Sight & Sound Theatres Trip	19	Feb	
Senior Adults	Serious Fitness	20	Jan	
Young Adults	Young Adults Worship Night	27	Feb	
Young Adults	Young Adults Worship Night	24	Jan	
Divorce Care	Divorce Care	14	Feb	
Divorce Care	Divorce Care	10	Jan	



## What is the total membership and percentage distribution of each of the ministry or group in Qodesh Family Church - Germantown?

### Report

	Total Ministry Membership for Qodesh Family Church-Germantown					
		<b>Ministry</b>	<b>Total Membership</b>			
		Womens	26			
		Mens	23			
		Young Adults	21			
		Outreach	18			
		Prayer Support	18			
		Youth Development	17			
		Marriage & Family	7			
		Senior Adults	7			
		Divorce Care	2			

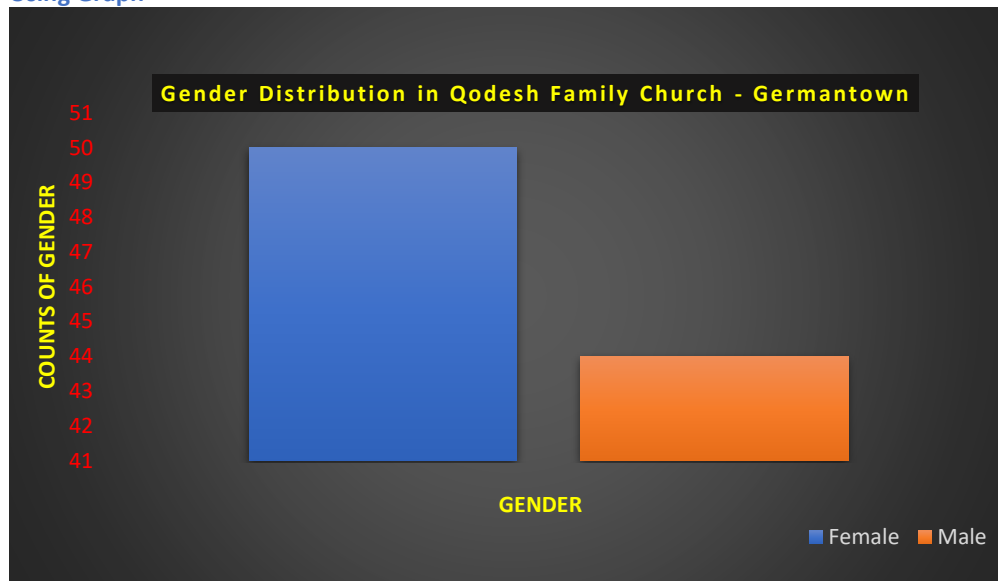


## What is the gender demographic for the Qodesh Family church - Germantown

### Report

	Gender demographic for the Qodesh Family church - Germantown					
		<b>Gender</b>	<b>CountOfGender-Germantown</b>			
		Female	50			
		Male	44			

## Using Graph

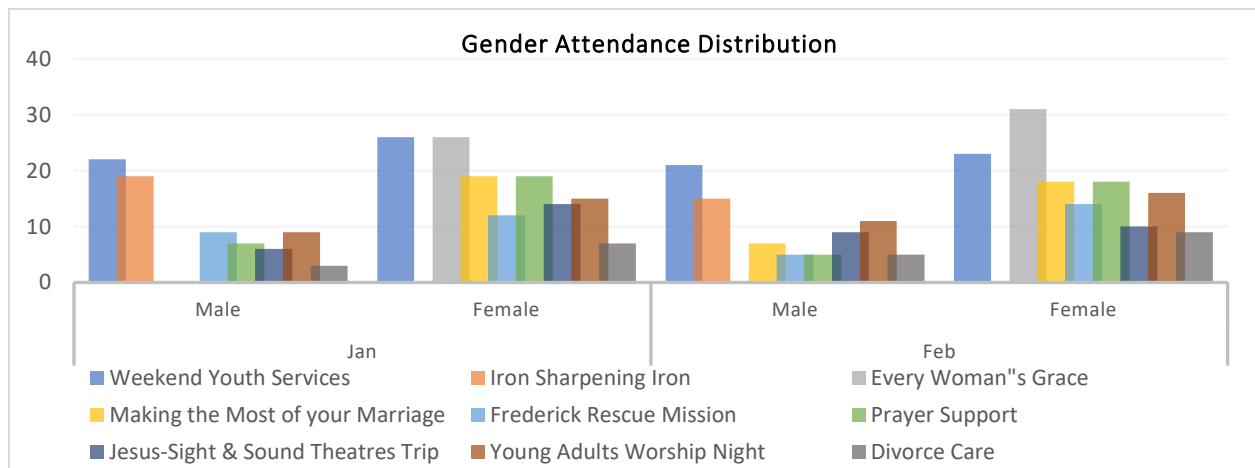


**What is the trend of attendance of both males and females?**

## Report

Gender Distribution for the Jan and Feb 2018 Period					
Ministry	Program	Jan		Feb	
		Male	Female	Male	Female
Youth Development	Weekend Youth Services	22	26	21	23
Mens	Iron Sharpening Iron	19	0	15	0
Womens	Every Woman"s Grace	0	26	0	31
Marriage & Family	Making the Most of your Marriage	0	19	7	18
Outreach	Frederick Rescue Mission	9	12	5	14
Prayer Support	Prayer Support	7	19	5	18
Senior Adults	Jesus-Sight & Sound Theatres Trip	6	14	9	10
Young Adults	Young Adults Worship Night	9	15	11	16
Divorce Care	Divorce Care	3	7	5	9

This report basically men are not committed to certain programs or issues

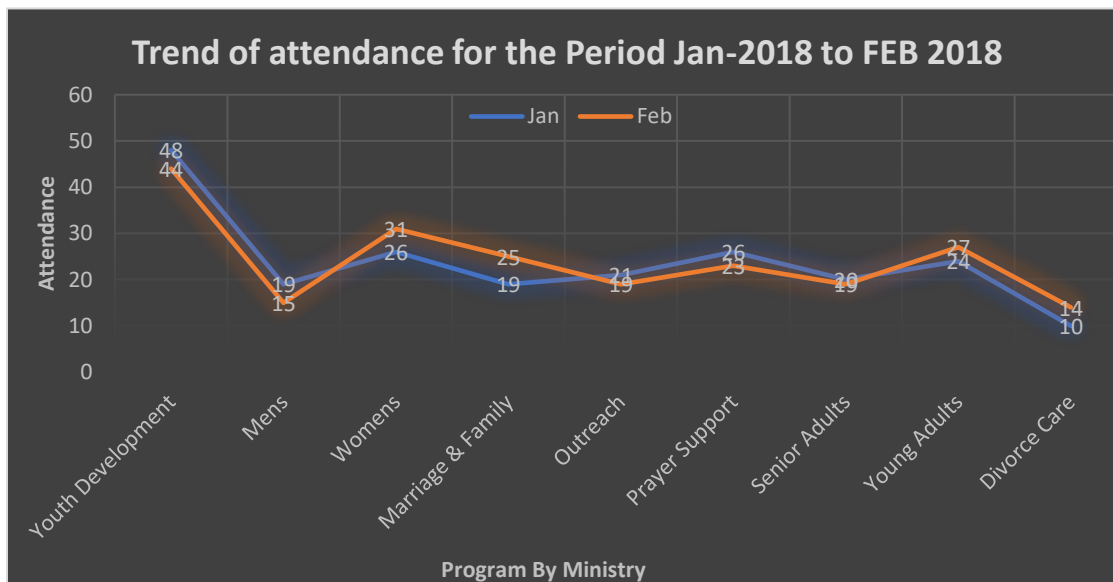


How many (trend) people attended programs organized by the various ministries over the past two months.

## Report

Program Attendance for the period of January 2018 - February 2018				
Ministry	Program	Attendance	Month	
Youth Development	Weekend Youth Services	44	Feb	
Youth Development	Elevate Night	48	Jan	
Mens	Iron Sharpening Iron	15	Feb	
Mens	Iron Sharpening Iron	19	Jan	
Womens	Every Woman's Grace	31	Feb	
Womens	Every Woman's Grace	26	Jan	
Marriage & Family	Making the Most of your Marriage	25	Feb	
Marriage & Family	The Healthy Blended Family	19	Jan	
Outreach	Frederick Rescue Mission	19	Feb	
Outreach	Frederick Rescue Mission	21	Jan	
Prayer Support	Prayer Support	23	Feb	
Prayer Support	Prayer Support	26	Jan	
Senior Adults	Jesus-Sight & Sound Theatres Trip	19	Feb	
Senior Adults	Serious Fitness	20	Jan	
Young Adults	Young Adults Worship Night	27	Feb	
Young Adults	Young Adults Worship Night	24	Jan	
Divorce Care	Divorce Care	14	Feb	
Divorce Care	Divorce Care	10	Jan	

## Graph





## REFLECTION

The project, overall, is an eye opener. I have acquired quite a number of skills, knowledge and approaches to developing a database. Looking at the nature and number of tables for this project, a much better job could have been done however, time was the biggest constraint or factor which affected the overall project work. A lot of other areas could have been explored and implemented in the project but as stated earlier, time would not allow.

Another issue noted was the fact that I under-estimated the building of the database stage of the project. Here, I meant the physical design and data insertion stage of the whole project. In the future, or should this be done all over again, I would start making my trades early in order not to find myself wanting or being consumed by the physical design stage.

In building the project in Milestone 2, few changes were made to the original approach. The Bridge tables, Project.PersonMinistry and Project.PersonProgram, for instance, saw the GUID column removed and datatype for ProgramID column for Project.Program table changed to CHAR(10).

An ALTER statement was also written to add Phone Numbers to the Project.Person table and also altered to add DEFAULT constraint to the column Phone Number.

Again, this IST659 is by far my favorite since as a newbie in the IT field, I have learnt a lot in the area of Stored Procedures and other functions of the SQL Server.

## Appendix

### Screenshots

#### Project.Church Table

ChurchID	ChurchName	Address1	Address2	City	State	ZipCode	TelephoneNumber	MinisterName	BranchName
1	Visitor	Visitor	Visitor	Visitor	Visitor	Visitor	Visitor	Visitor	Visitor-Visitor
2	Qodesh Family Church	14801 Physicians Lane	NULL	Germantown	Maryland	20874	240-410-8457	Pastor Happy Kumah	Qodesh Family Church-Germantown
3	Qodesh Family Church	9104 Bakerhill Court	NULL	Gaithersburg	Maryland	20886	240-358-7953	Reverend David Forson	Qodesh Family Church-Gaithersburg
4	Qodesh Family Church	5440 Old Tucker Row	NULL	Columbia	Maryland	21044	443-561-9904	Pastor Angel Kumah	Qodesh Family Church-Columbia
5	First Love Church	5200 Perring Parkway	Morgan State University	Baltimore City	Maryland	21214	347-621-9159	Reverend Gregory Block	First Love Church-Baltimore City
6	First Love Church	2094 North Warwick Avenue	Copping State University	Baltimore	Maryland	21214	410-568-2152	Lady Pastor Sarah Woods	First Love Church-Baltimore
7	Qodesh Family Church	7954A Twist Lane	NULL	Springfield	Virginia	22153	703-652-2015	Pastor Darlene Singar	Qodesh Family Church-Springfield
8	First Love Church	4400 University Drive	George Mason University	Fairfax	Virginia	22030	615-331-5169	Reverend Anthony Kobi	First Love Church-Fairfax
9	First Love Church	1100 Eastern Blvd. N	NULL	Hagerstown	Maryland	21742	258-587-6582	Reverend Edem Ameke	First Love Church-Hagerstown
10	Qodesh Family Church	1136 Centerville Tumpike North	NULL	Virginia Beach	Virginia	23320	757-698-1052	Lady Pastor Daniella Ray	Qodesh Family Church-Virginia Beach
11	Qodesh Family Church	350 White Horse Avenue	NULL	Trenton	New Jersey	8610	609-556-5854	Pastor William Mensa	Qodesh Family Church-Trenton
12	First Love Church	1625 Ocean Avenue	NULL	Brooklyn	New York	11226	347-251-3215	Pastor Jamy Johnson	First Love Church-Brooklyn

## Project.Role Table

100 % ▾

Results Messages

	RoleID	RoleName	RoleDescription
1	1	Minister	Spiritual Leader of the Church
2	2	Worker	Employee of the Church
3	3	Pastor	Trained Spiritual Leader Associated to the Church
4	4	Shepherd	Leader of a Ministry
5	5	Member	Person affiliated to the Church
6	6	Visitor	Person Looking for a Place of Worship

## Project.Person Table

PersonID	ChurchID	RoleID	FirstName	LastName	MiddleInitial	Gender	DateOfBirth	EmailAddress	PhoneNumber
1	2	1	Happy	Kumah	NULL	M	1971-10-29	happy.kumah@qgc.org	240-410-8457
2	2	5	Justin	King	NULL	M	1990-03-14	justin.king@gmail.com	863-418-1059
3	2	5	Lily	Robertson	NULL	F	1965-12-28	lily.robertson@gmail.com	281-834-4253
4	2	4	Nathan	Mackay	D	M	1990-02-12	nathan.mackay@hotmail.com	723-146-6258
5	2	5	Amanda	Rutherford	L	F	1981-05-15	amanda.rutherford@yahoo.com	112-273-6376
6	2	4	Alison	Wilkins	NULL	F	1977-09-21	alison.wilkins@gmail.com	332-402-0396
7	5	5	Joseph	Lambert	T	M	1989-03-01	joseph.lambert@gmail.com	713-341-2156
8	2	5	Carl	Cornish	NULL	M	2000-07-24	carl.cornish@gmail.com	206-760-7728
9	2	5	Stella	Mollis	A	F	1973-03-07	non.quam@duis.ca	xxx-xxx-xxxx
10	2	5	Frank	Buckland	NULL	M	1956-07-23	frank.buckland@gmail.com	783-832-3774
11	2	5	Greg	Black	O	M	1952-04-13	greg.black@hotmail.com	611-328-3519
12	2	5	Richard	Dowd	P	M	1952-08-15	richard.dowd@gmail.com	967-997-0499
13	2	5	Xaviera	Ferris	A	F	1979-04-01	ferris@tricsit.org	256-723-9055
14	2	5	Raphael	Maphael	R	F	2000-07-27	aenean.massa@mattis.co.uk	xxx-xxx-xxxx
15	2	5	Thomas	Terry	NULL	M	1999-05-30	thomas.terry@yahoo.com	667-419-7740

## Project.Ministry Table

Results

Messages

	MinistryID	MinistryName	MinistryDescription
1	1	Youth Development	Ministry for youth Developing. Age Group 13-17
2	2	Mens	Ministry for Solely Men and is focused on Men Relat...
3	3	Womens	Ministry for Solely Women and focused on Women R...
4	4	Marriage & Family	Ministry for Developing Good Marriages
5	5	Outreach	Ministry for reaching out to others
6	6	Prayer Support	Prayer works Ministry. Pray and Support Others with ...
7	7	Senior Adults	Ministry for Senior Citizens
8	8	Young Adults	Ministry for Individuals in their 20s or Singles
9	9	Divorce Care	Ministry for Supporting People going through Divorce
10	10	Music & Worship	Ministry for Praise and Worship

Query executed successfully.

## Project.Program Table

Results

Messages

	ProgramID	MinistryID	ProgramName	StartDateTime	EndDateTime	Description
1	1-YD-0001	1	Elevate Night	2019-01-12 18:45:00.000	2019-01-12 20:30:00.000	NULL
2	1-YD-0002	1	Weekend Youth Services	2018-02-04 11:00:00.000	2018-02-04 11:30:00.000	NULL
3	2-MM-0001	2	Iron Sharpening Iron	2018-01-27 21:00:00.000	2018-01-27 22:45:00.000	NULL
4	2-MM-0002	2	Iron Sharpening Iron	2018-02-10 21:00:00.000	2018-02-10 22:45:00.000	NULL
5	3-WW-0001	3	Every Woman"s Grace	2018-01-30 18:30:00.000	2018-01-30 20:00:00.000	NULL
6	3-WW-0002	3	Every Woman"s Grace	2018-02-14 18:30:00.000	2018-02-14 20:00:00.000	NULL
7	4-MF-0001	4	The Healthy Blended Family	2018-01-14 14:45:00.000	2018-01-14 14:15:00.000	NULL
8	4-MF-0002	4	Making the Most of your Marriage	2018-02-21 10:45:00.000	2018-02-21 12:15:00.000	NULL
9	5-OO-0001	5	Frederick Rescue Mission	2018-01-05 09:00:00.000	2018-01-05 18:30:00.000	NULL
10	5-OO-0002	5	Frederick Rescue Mission	2018-02-23 09:00:00.000	2018-02-23 18:30:00.000	NULL

Query executed successfully.

## Project.Classroom Table

	ClassroomID	ClassName	RoomNumber	StartDateTime	EndDateTime	LeadTeacher
1	1	Elevate Night	Z056	2019-01-12 18:45:00.000	2019-01-12 20:30:00.000	Nathan Mackay
2	2	Iron Sharpening Iron	T858	2018-01-27 21:00:00.000	2018-01-27 22:45:00.000	Nathan Dowd
3	3	Every Woman's Grace	E746	2018-01-30 18:30:00.000	2018-01-30 20:00:00.000	Cara Raymonds
4	4	The Healthy Blended Family	G813	2018-01-14 14:45:00.000	2018-01-14 14:15:00.000	Venus Curabitur
5	5	Frederick Rescue Mission	C813	2018-01-05 09:00:00.000	2018-01-05 18:30:00.000	Samantha Burgess
6	6	Prayer Support	E746	2018-01-12 06:00:00.000	2018-01-12 07:30:00.000	Cara Raymonds
7	7	Serious Fitness	Z056	2018-01-19 09:00:00.000	2018-01-19 10:45:00.000	Zoe Nolan
8	8	Young Adults Worship Night	K159	2018-01-20 21:15:00.000	2018-01-14 22:45:00.000	Nathan Mackay
9	9	Divorce Care	T858	2018-01-26 19:00:00.000	2018-01-26 20:15:00.000	Alison Wilkins
10	10	Weekend Youth Services	Z056	2018-02-04 11:00:00.000	2018-02-04 11:30:00.000	Keith Parsons
11	11	Iron Sharpening Iron	T858	2018-02-10 21:00:00.000	2018-02-10 22:45:00.000	Nathan Dowd
12	12	Every Woman's Grace	E746	2018-02-14 18:30:00.000	2018-02-14 20:00:00.000	Cara Raymonds

Query executed successfully.

## Project.PersonMinistry Table

	PersonID	MinistryID
1	1	2
2	2	2
3	4	2
4	7	2
5	10	2
6	11	2
7	12	2
8	16	2
9	19	2
10	35	2
11	35	2

Query executed successfully.

## Project.PersonProgram Table

	ProgramID	PersonID
1	1-YD-0001	34
2	1-YD-0001	50
3	1-YD-0001	61
4	1-YD-0001	84
5	1-YD-0001	90
6	1-YD-0001	120
7	1-YD-0001	116
8	1-YD-0001	94
9	1-YD-0001	49
10	1-YD-0001	62
11	1-YD-0001	68

Query executed successfully.

## Project.ProgramClassroom Table

	ProgramClassroomID	ProgramID	ClassroomID
1	1	1-YD-0001	1
2	2	2-MM-0001	2
3	3	3-WW-0001	3
4	4	4-MF-0001	4
5	5	5-OO-0001	5
6	6	6-PS-0001	6
7	7	7-SA-0001	7
8	8	8-YA-0001	8
9	9	9-DC-0001	9
10	10	1-YD-0002	10
11	11	2-MM-0002	11
12	12	3-WW-0002	12

## Project.vw\_VisitorsDetails

401 -- the view  
402 SELECT \* FROM Project.vw\_VisitorsDetails;  
403

99 %

	RoleName	FirstName	LastName	Gender	EmailAddress	PhoneNumber
1	Visitor	Grace	Xantha	F	grace.magna@celement.co.uk	662-973-8449
2	Visitor	Ariel	Tempus	F	ariel.tempus@vitaesodalesat.com	785-970-6770
3	Visitor	Leah	Dolor	F	rutrum@luctusetultrices.com	127-503-8147
4	Visitor	Ori	Maxwells	F	arcu.Vivamus.sit@eget.org	803-297-6395
5	Visitor	Dai	Fringilla	F	ringilla@aenean.edu	623-117-3461
6	Visitor	Amena	Lesley	F	auctor.nisl@pede.com	311-624-0151
7	Visitor	Miriam	Lael	F	cursus.non@pellentesque.ca	158-675-7305
8	Visitor	Brenna	Sociis	F	lectus.call@tellusid.edu	110-483-2448

