SQL Queries!

Table Creation ->

1.

CREATE TABLE Users (UserPK INT NOT NULL IDENTITY(1,1), Name varchar(20),email varchar(40) unique,password varchar(20), gender char(1), PRIMARY KEY(UserPk))

CHANGED

Password field deleted.

Salt field added

Hash field added

2.

CREATE TABLE Home (HomePk INT NOT NULL IDENTITY(1,1), Announcement varchar(100), Home\_Name varchar(20) unique, Address varchar(40), Description varchar(100), no\_of\_member INT, length decimal(10,2), width decimal(10,2), AreaFK INT, PRIMARY KEY(HomePk))

----- TO ADD A MEMBER ------

update home

set no\_of\_member = no\_of\_member + 1

where Home\_Name = '1'; // name of home

3.

CREATE TABLE Area (AreaPk INT NOT NULL IDENTITY(1,1), Name varchar(20), Description varchar(100), length decimal(10,2), width decimal(10,2), ActivityFk INT, PRIMARY KEY(AreaPk))

4.

CREATE TABLE Activity (ActivityPk INT NOT NULL IDENTITY(1,1), Name varchar(20), Description varchar(100), no\_of\_member INT, completed INT, PRIMARY KEY(ActivityPk))

CHANGED

completed field deleted.

outcome field added (int)

Alter Table (Applying Keys) ->

1.

ALTER TABLE Home ADD CONSTRAINT HomeAreaFK FOREIGN KEY(AreaFk) REFERENCES Area(AreaPk)

2.

ALTER TABLE Area ADD CONSTRAINT AreaActivityFK FOREIGN KEY(ActivityFk) REFERENCES Activity(ActivityPk)

Bridge Tables Creation ->

1.

[DELETED]

CREATE TABLE UserHome (UserPk INT, HomePk INT, Permission char(1), FOREIGN KEY(UserPk) REFERENCES Users(UserPk), FOREIGN KEY(HomePk) REFERENCES Home(HomePk), PRIMARY KEY(UserPk,HomePk) )

alter table UserHome

add check (permission = 'u' OR permission = 'U' OR permission = 'a' OR permission = 'A');

[NEW]

CREATE TABLE UserHome (email varchar(60), Home\_name varchar(20), Permission char(1), FOREIGN KEY(email) REFERENCES Users(email), FOREIGN KEY(Home\_name) REFERENCES Home(Home\_name), PRIMARY KEY(email,Home\_name) );

alter table UserHome

add check (permission = 'u' OR permission = 'U' OR permission = 'a' OR permission = 'A');

2.

CREATE TABLE UserActivity (UserPk INT, ActivityPk INT, FOREIGN KEY(UserPk) REFERENCES Users(UserPk), FOREIGN KEY(ActivityPk) REFERENCES Activity(ActivityPk), PRIMARY KEY(UserPk,ActivityPk) )

Insertion Queries ->

Color -> Data via function parameters

1.

INSERT INTO HOME (Announcement , Home\_Name , Address , Description , length , width ) VALUES (" + "'" + announcement + "'" + "," + "'" + name\_home + "'" + "," + "'" + address\_home + "'" + "," + "'" + description\_home + "'" + "," + length\_of\_home + "," + width\_of\_home + ")

2.

INSERT INTO AREA (Name, Description, length, width) VALUES (" + "'" + name\_area + "'" + "," + "'" + description\_area + "'" + "," + length\_of\_area + "," + width\_of\_area + ")

3.

INSERT INTO ACTIVITY (Name, Description, completed) VALUES (" + "'" + name\_activity + "'" + "," + "'" + description + "'" + "," + comp + ")

4.

INSERT INTO USERS (Name, email, password, gender) VALUES (" + "'" + name + "'" + "," + "'" + email + "'" + "," + "'" + password + "'" + "," + "'" + gender + "'" + ")