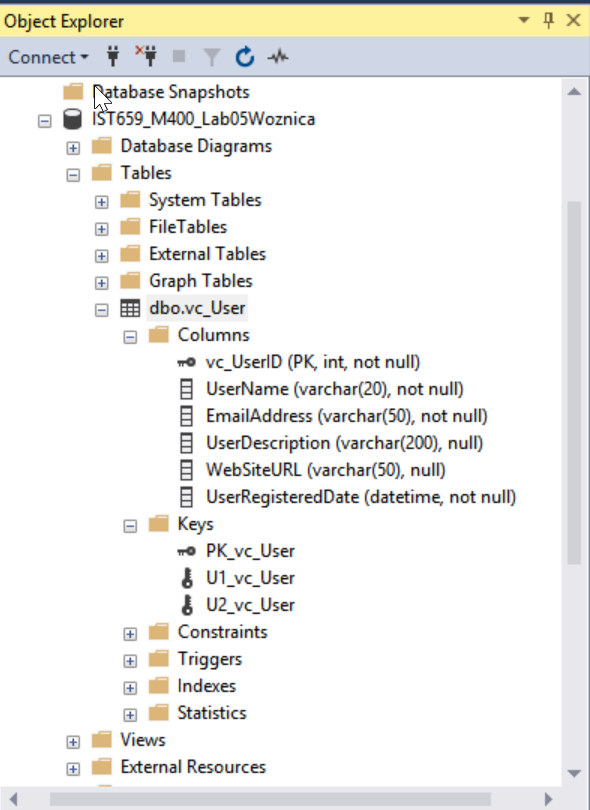
# Lab 05

## Part 1 – Creating Tables

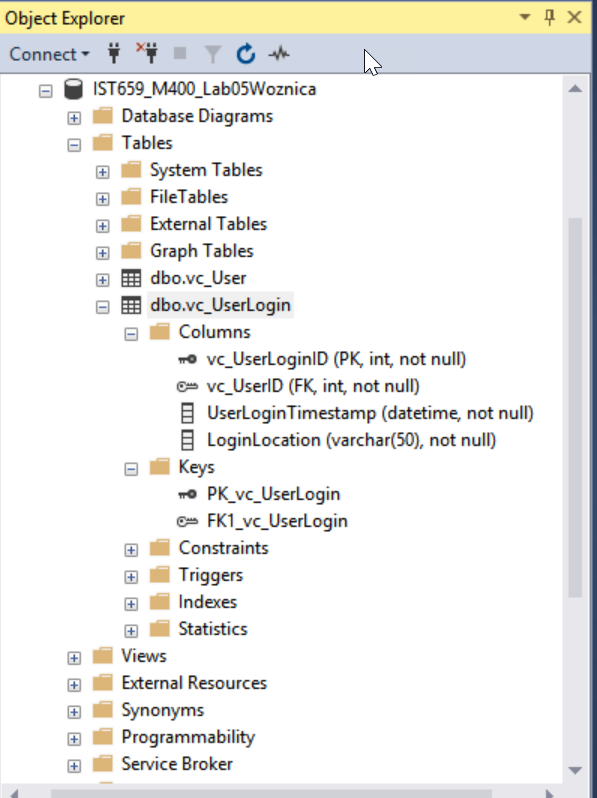
### User Table

Here is the User table created with MS SQL Server (2017).



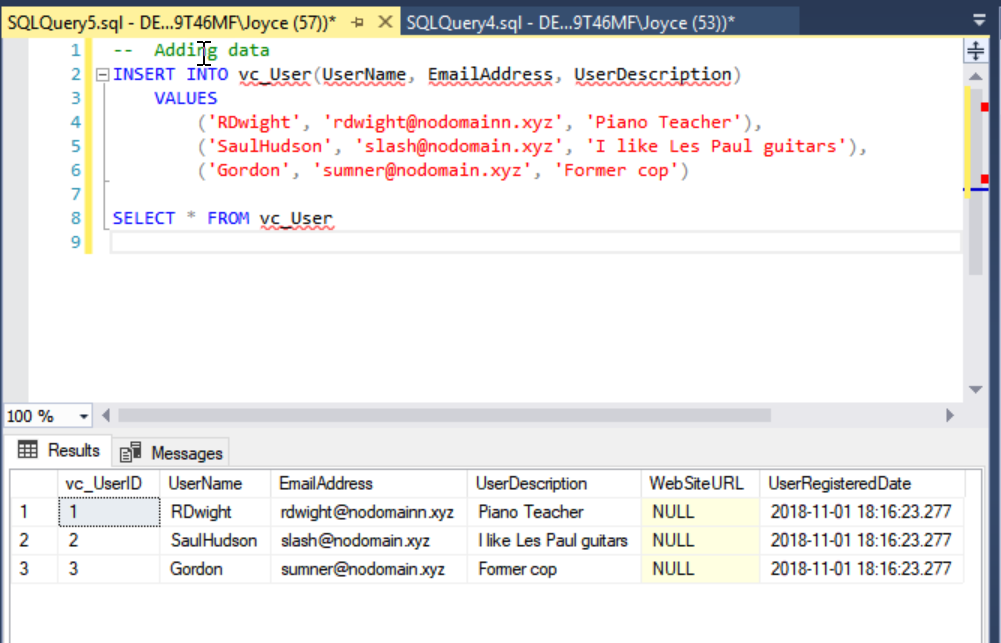
### User Login Table

Here is the User Login table created with MS SQL Server (2017).



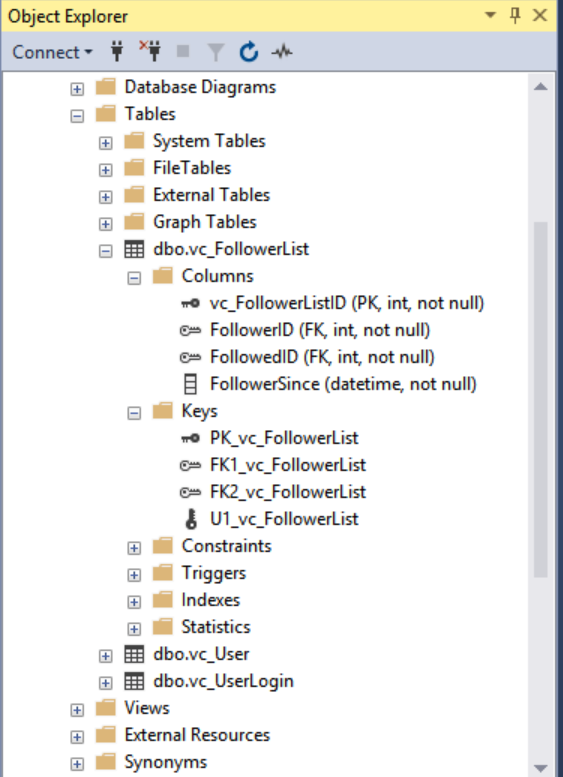
### User Records

Here are the User records inserted into the User table.



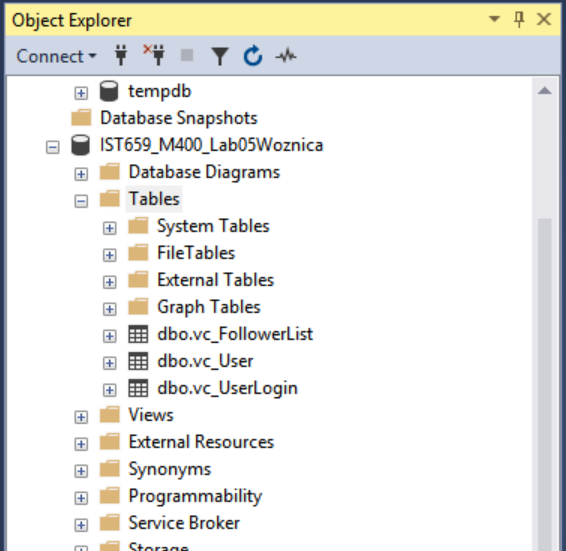
### Follower List table

Here is the Follower List table. \*\* Not asked for, but included to make sure I did correctly. \*\*



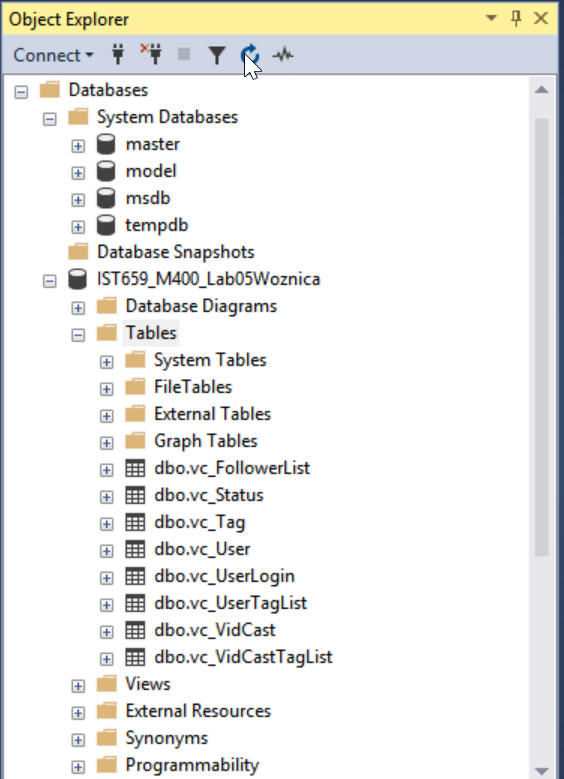
### User Tables

Here are the user tables that I created.



## Part 2 – The Rest of the Tables

VidCast Tables in SQL Server.



## SQL Query File Used for the exercise

Here is the query file that I used.

Please note that I could not figure out the syntax to make foreign keys unique – so I did not do that in my database. You will see my note in the comments of my SQL statements following.

select 'Hello, SQL' as Greeting

/\*

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Course: IST659 M400

Term: Fall 2018

\*/

-- Creating the User Table for Vidcast

CREATE TABLE vc\_User (

-- Columns for the User table

vc\_UserID int identity,

UserName varchar(20) not null,

EmailAddress varchar(50) not null,

UserDescription varchar(200),

WebSiteURL varchar(50),

UserRegisteredDate datetime not null default GetDate(),

-- Constraints on the User Table

CONSTRAINT PK\_vc\_User PRIMARY KEY (vc\_UserID),

CONSTRAINT U1\_vc\_User UNIQUE(UserName),

CONSTRAINT U2\_vc\_User UNIQUE(EmailAddress)

)

-- End Creating User Table

-- Creating UserLogin table

CREATE TABLE vc\_UserLogin (

-- Columns for UserLogin table

vc\_UserLoginID int identity,

vc\_UserID int not null,

UserLoginTimestamp datetime not null default GetDate(),

LoginLocation varchar(50) not null,

-- Constraints on the UserLogin table

CONSTRAINT PK\_vc\_UserLogin PRIMARY KEY (vc\_UserLoginID),

CONSTRAINT FK1\_vc\_UserLogin FOREIGN KEY (vc\_UserID) REFERENCES vc\_User(vc\_UserID)

)

-- End Creating the User Login Table

-- Adding data

INSERT INTO vc\_User(UserName, EmailAddress, UserDescription)

VALUES

('RDwight', 'rdwight@nodomainn.xyz', 'Piano Teacher'),

('SaulHudson', 'slash@nodomain.xyz', 'I like Les Paul guitars'),

('Gordon', 'sumner@nodomain.xyz', 'Former cop')

SELECT \* FROM vc\_User

-- Creating the Follower List table

CREATE TABLE vc\_FollowerList (

-- Columns for the Follower table

vc\_FollowerListID int identity,

FollowerID int not null,

FollowedID int not null,

FollowerSince datetime not null,

-- Constraints on the FollowerList table

CONSTRAINT PK\_vc\_FollowerList PRIMARY KEY (vc\_FollowerListID),

CONSTRAINT U1\_vc\_FollowerList UNIQUE (FollowerID, FollowedID),

CONSTRAINT FK1\_vc\_FollowerList FOREIGN KEY (FollowerID) REFERENCES vc\_User(vc\_UserID),

CONSTRAINT FK2\_vc\_FollowerList FOREIGN KEY (FollowedID) REFERENCES vc\_User(vc\_UserID)

)

-- End creating table FollowerList

-- Creating the Tag table

CREATE TABLE vc\_Tag (

-- Columns for the Tag table

vc\_TagID int identity,

TagText varchar(20) not null,

TagDescription varchar(100),

-- Constraints on the Tag table

CONSTRAINT U1\_vc\_Tag UNIQUE (TagText),

CONSTRAINT PK\_vc\_Tag PRIMARY KEY (vc\_TagID)

)

-- End creating Tag Table

-- Creating the Status table

CREATE TABLE vc\_Status (

-- Columns for the Status table

vc\_StatusID int identity,

StatusText varchar(20),

-- Constraints on the Status table

CONSTRAINT PK\_vc\_Status PRIMARY KEY (vc\_StatusID),

CONSTRAINT U1\_vc\_Status UNIQUE (StatusText)

)

-- Creating the VidCast table

CREATE TABLE vc\_VidCast (

-- Columns for the VidCast table

vc\_VidCastID int identity,

VidCastTitle varchar(50) not null,

StartDateTime datetime,

EndDateTime datetime,

ScheduleDurationMinutes int,

RecordingURL varchar(50),

vc\_UserID int not null,

vc\_StatusID int not null,

-- Constraints on the VidCast table

CONSTRAINT PK\_vc\_VidCast PRIMARY KEY (vc\_VidCastID),

CONSTRAINT FK1\_vc\_VidCast FOREIGN KEY (vc\_UserID) REFERENCES vc\_User(vc\_UserID),

CONSTRAINT FK2\_vc\_VidCast FOREIGN KEY (vc\_StatusID) REFERENCES vc\_Status(vc\_StatusID)

)

-- Creating VidCast Tag List table

CREATE TABLE vc\_VidCastTagList (

-- Columns for the VidCast Tag List table

vc\_VidCastTagListID int identity,

vc\_TagID int not null,

vc\_VidCastID int not null,

-- Constraints on the VidCast Tag List table

CONSTRAINT PK\_vc\_VidCastTagList PRIMARY KEY (vc\_VidCastTagListID),

CONSTRAINT FK1\_vc\_VidCastTagList FOREIGN KEY (vc\_TagID) REFERENCES vc\_Tag(vc\_TagID),

CONSTRAINT FK2\_vc\_VidCastTagList FOREIGN KEY (vc\_VidCastID) REFERENCES vc\_VidCast(vc\_VidCastID)

-- I cannot figure out how to make the FK1 and FK2 unique - or are they be default?

)

-- Creating the User Tag List table

CREATE TABLE vc\_UserTagList (

-- Columns for the User Tag List table

vc\_UserTagListID int identity,

vc\_TagID int not null,

vc\_UserID int not null,

-- Constraints on the User Tag List table

CONSTRAINT PK\_vc\_UserTagList PRIMARY KEY (vc\_UserTagListID),

CONSTRAINT FK1\_vc\_UserTagList FOREIGN KEY (vc\_TagID) REFERENCES vc\_Tag(vc\_TagID),

CONSTRAINT FK2\_vc\_UserTagList FOREIGN KEY (vc\_UserID) REFERENCES vc\_User(vc\_UserID)

-- I cannot figure out how to make the FK1 and FK2 unique - or are they be default?

)