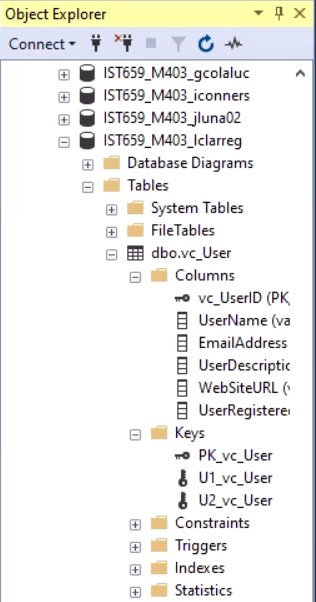
## Name: Laura C. Larregui Date: February 12, 2020

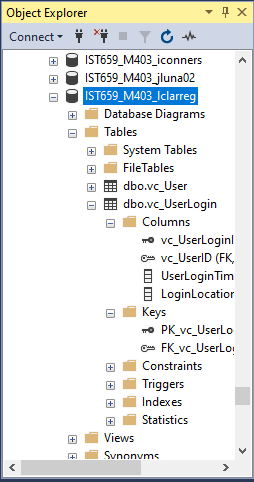
## Lab 05 - Physical Design and DDL

Part 1 – Creating Tables

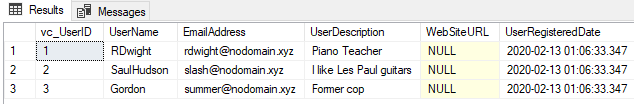
1. User Table



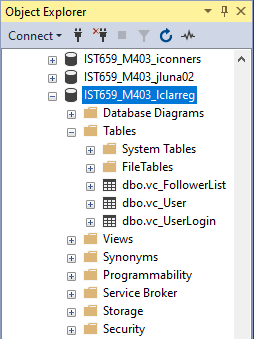
1. User Login Table



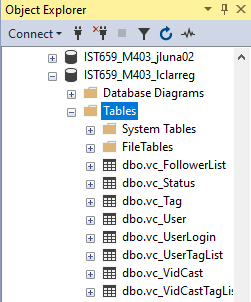
1. User Records



1. User Tables



1. VidCast Table



Part 2 – The Rest of the Tables

1. SQL query file

/\*

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Course: IST659 M403

Term: Winter 2020

\*/

--Creating first table

Create table vc\_User (

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

constraint PK\_vc\_User Primary key (vc\_UserID),

constraint U1\_vc\_User unique(UserName),

constraint U2\_vc\_User unique(EmailAddress)

)

--Creating second table

Create table vc\_UserLogin (

vc\_UserLoginID int identity,

vc\_UserID int NOT NULL,

UserLoginTimestamp datetime NOT NULL default GetDate(),

LoginLocation varchar(50) NOT NULL,

--constraints

constraint PK\_vc\_UserLogin Primary key (vc\_UserLoginID),

constraint FK\_vc\_UserLogin Foreign Key (vc\_UserID) references vc\_User(vc\_UserID)

)

--adding data to the user table

insert into vc\_User(UserName, EmailAddress, UserDescription)

values

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

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

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

select \* from vc\_User

--Creating third table

Create table vc\_FollowerList (

vc\_FollowerListID int identity,

FollowerID int NOT NULL,

FollowedID int NOT NULL,

FollowerSince datetime NOT NULL,

--constraints

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),

)

--Creating tag table

Create table vc\_Tag (

vc\_TagID int identity,

TagText varchar(20) NOT NULL,

TagDescription varchar(100),

--constraints

constraint PK\_vc\_Tag Primary key (vc\_TagID),

constraint U1\_vc\_Tag  Unique (TagText)

)

--Creating status table

Create table vc\_Status (

vc\_StatusID int identity,

StatusText varchar(20),

--constraints

constraint PK\_vc\_Status Primary key (vc\_StatusID),

constraint U1\_vc\_Status Unique (StatusText)

)

--Creating VidCast table

Create table vc\_VidCast (

vc\_VidCastID int identity,

VidCastTitle varchar(50) NOT NULL,

StartDateTime datetime,

EndDateTime datetime,

ScheduledDurationMinutes int,

RecordingURL varchar(50),

vc\_UserID int NOT NULL,

vc\_StatusID int NOT NULL,

--constraints

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 VidCastTagList table

Create table vc\_VidCastTagList (

vc\_VidCastTagListID int identity,

vc\_TagID int NOT NULL,

vc\_VidCastID int NOT NULL,

--constraints

constraint PK\_vc\_VidCastTagList Primary key (vc\_VidCastTagListID),

constraint U1\_vc\_VidCastTagList Unique (vc\_TagID, vc\_VidCastID),

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)

)

--Creating UserTagList table

Create table vc\_UserTagList (

vc\_UserTagListID int identity,

vc\_TagID int NOT NULL,

vc\_UserID int NOT NULL,

--constraints

constraint PK\_vc\_UserTagList Primary key (vc\_UserTagListID),

constraint U1\_vc\_UserTagList Unique (vc\_TagID, vc\_UserID),

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)

)