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| --- | --- | --- |
| **ll Name** | : | Sathish Kumar Rajendiran |
| **Current Date** | : | 02/13/2020 |
| **Lab Number** | : | 05 |

**Part 1 – Creating Tables**

* ***User Table***

A screenshot of a cell phone

Description automatically generated

* ***User Login Table***

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* ***User records***

**A screenshot of a cell phone

Description automatically generated**

* ***User Tables***

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**Part 2 – Rest of the Tables**

* ***VidCast Tables***

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* ***SQL Script***

USE [IST659\_M406\_srajendi]

GO

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Title : Lab 05 -SQL Scripts

Author : Sathish Kumar Rajendiran

Course : IST659 M406

Term : January, 2020

\*/

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLES WHERE TABLE\_NAME='vc\_UserLogin')

BEGIN

DROP TABLE vc\_UserLogin

END

Go

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLES WHERE TABLE\_NAME='vc\_FollowerList')

BEGIN

DROP TABLE vc\_FollowerList

END

GO

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLES WHERE TABLE\_NAME='vc\_VidCastTagList')

BEGIN

DROP TABLE vc\_VidCastTagList

END

GO

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLES WHERE TABLE\_NAME='vc\_UserTagList')

BEGIN

DROP TABLE vc\_UserTagList

END

GO

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLES WHERE TABLE\_NAME='vc\_VidCast')

BEGIN

DROP TABLE vc\_VidCast

END

GO

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLES WHERE TABLE\_NAME='vc\_Tag')

BEGIN

DROP TABLE vc\_Tag

END

GO

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLES WHERE TABLE\_NAME='vc\_User')

BEGIN

DROP TABLE vc\_User

END

GO

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLES WHERE TABLE\_NAME='vc\_Status')

BEGIN

DROP TABLE vc\_Status

END

GO

--Creating the User table

CREATE TABLE vc\_User (

--Columns for the User table

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

UserName varchar(20) not null CONSTRAINT U1\_vc\_User UNIQUE (UserName),

EmailAddress varchar(50) not null CONSTRAINT U2\_vc\_User UNIQUE (EmailAddress),

UserDescription varchar(200),

WebSiteURL varchar(50),

UserRegisteredDate datetime not null default GetDate()

)

GO

--End Creating the User table

--Creating the UserLogin table

CREATE TABLE vc\_UserLogin (

--Columns for the UserLogin table

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

vc\_UserID int not null CONSTRAINT FK1\_vc\_UserLogin FOREIGN KEY (vc\_UserID) REFERENCES vc\_User(vc\_UserID),

UserLoginTimestamp datetime not null default GetDate(),

LoginLocation varchar(50) not null

)

GO

--End Creating the User Login table

--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','sumner@nodomain.xyz','Former cop')

GO

--SELECT \* FROM vc\_User

--Creating the Follower List table

CREATE TABLE vc\_FollowerList (

--Columns for the Follower List table

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

FollowerID int not null CONSTRAINT FK1\_vc\_FollowerList FOREIGN KEY (FollowerID) REFERENCES vc\_User(vc\_UserID),

FollowedID int not null CONSTRAINT FK2\_vc\_FollowerList FOREIGN KEY (FollowedID) REFERENCES vc\_User(vc\_UserID),

FollowerSince datetime not null CONSTRAINT DF1\_FollowerList DEFAULT GETDATE(),

)

GO

--End Creating the User table

--Add unique constraints on FollowerList table

ALTER TABLE vc\_FollowerList

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

GO

--End adding unique constraints to FollowerList table

--Creating the Tag table

CREATE TABLE vc\_Tag (

--Columns for the Tag table

vc\_TagID int identity CONSTRAINT PK\_vc\_Tag PRIMARY KEY (vc\_TagID),

TagText varchar(20) not null CONSTRAINT U1\_vc\_Tag UNIQUE (TagText),

TagDescription varchar(100)

)

GO

--End Creating the Tag table

--Creating the Status table

CREATE TABLE vc\_Status (

--Columns for the Status table

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

StatusText varchar(20) not null CONSTRAINT U1\_vc\_Status UNIQUE (StatusText)

)

GO

--End Creating the Status table

--Creating the VidCast table

CREATE TABLE vc\_VidCast (

--Columns for the VidCast table

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

VidCastTitle varchar(50) not null,

StartDateTime datetime,

EndDateTime datetime,

ScheduledDurationMinutes int,

RecordingURL varchar(50) not null,

vc\_UserID int not null CONSTRAINT FK1\_vc\_VidCast FOREIGN KEY (vc\_UserID) REFERENCES vc\_User(vc\_UserID),

vc\_StatusID int not null CONSTRAINT FK2\_vc\_VidCast FOREIGN KEY (vc\_StatusID) REFERENCES vc\_Status(vc\_StatusID)

)

GO

--End Creating the VidCast table

--Creating the VidCastTagList table

CREATE TABLE vc\_VidCastTagList (

--Columns for the VidCastTagList table

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

vc\_TagID int not null CONSTRAINT FK1\_vc\_VidCastTagList FOREIGN KEY (vc\_TagID) REFERENCES vc\_Tag(vc\_TagID),

vc\_VidCastID int not null CONSTRAINT FK2\_vc\_VidCastTagList FOREIGN KEY (vc\_VidCastID) REFERENCES vc\_VidCast(vc\_VidCastID)

)

GO

--End Creating the VidCastTagList table

--Add unique constraints on VidCastTagList table

ALTER TABLE vc\_VidCastTagList

ADD CONSTRAINT U1\_vc\_VidCastTagList UNIQUE (vc\_TagID,vc\_VidCastID)

GO

--End adding unique constraints to VidCastTagList table

--Creating the UserTagList table

CREATE TABLE vc\_UserTagList (

--Columns for the UserTagList table

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

vc\_TagID int not null CONSTRAINT FK1\_vc\_UserTagList FOREIGN KEY (vc\_TagID) REFERENCES vc\_Tag(vc\_TagID),

vc\_UserID int not null CONSTRAINT FK2\_vc\_UserTagList FOREIGN KEY (vc\_UserID) REFERENCES vc\_User(vc\_UserID)

)

GO

--End Creating the UserTagList table

--Add unique constraints on UserTagList table

ALTER TABLE vc\_UserTagList

ADD CONSTRAINT U1\_vc\_UserTagList UNIQUE (vc\_TagID,vc\_UserID)

GO

--End adding unique constraints to UserTagList table