Course: IST-659

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Homework #5

Due Date: 4/30/2020

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Topic: Lab05 – Physical Design and DDL

## Part 1 – Creating Tables

A screenshot of a social media post

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**Fig: User Table**

A screenshot of a social media post

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A screenshot of a social media post

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A screenshot of a cell phone

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**Fig: User Tables**

## Part 2 – The Rest of the tables

Here is the corresponding SQL code/syntax:

-- Part2 --

-- Create table vc\_tag

CREATE TABLE vc\_Tag (

vc\_TagID int identity,

TagText varchar(20) not null,

TagDescription varchar(100),

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

CONSTRAINT U1\_vc\_TagText UNIQUE(TagText)

)

-- Create table vc\_Status

CREATE TABLE vc\_Status (

vc\_StatusID int identity,

StatusText varchar(20),

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

CONSTRAINT U1\_vc\_StatusText UNIQUE(StatusText)

)

-- Create table vc\_VidCast

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,

vc\_StatusID int,

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

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

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

)

-- Create table vc\_VidCastTagList

CREATE TABLE vc\_VidCastTagList (

vc\_VidCastTagListID int identity,

vc\_TagID int not null,

vc\_VidCastID int not null,

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

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

CONSTRAINT FK2\_vc\_VidCastID FOREIGN KEY (vc\_VidCastID) REFERENCES vc\_Vidcast(vc\_VidCastID),

CONSTRAINT U1\_TagVidCastID UNIQUE(vc\_TagID, vc\_VidCastID)

)

-- Create table vc\_UserTagList

CREATE TABLE vc\_UserTagList (

vc\_UserTagListID int identity,

vc\_TagID int not null,

vc\_UserID int not null,

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

-- Rename FKs since FK1\_vc\_TagID is already in the database.

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

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

CONSTRAINT U1\_TagUserID UNIQUE(vc\_TagID, vc\_UserID)

)

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**Fig: VidCast tables**