

11/5/2020

Lab 6

Part 1 Filling our Tables with Data

First VidCast

Results Messages								
	vc_VidCastID	VidCastTitle	StartDateTime	EndDateTime	ScheduledDurationMinutes	RecordingURL	vc_UserID	vc_StatusID
1	1	December Snow	2018-03-01 14:00:00.000	2018-03-01 14:30:00.000	30	/XVF1234	2	3

Saul's First VidCast

Results Messages							
	UserName	EmailAddress	VidCastTitle	StartDateTime	EndDateTime	ScheduledHours	StatusText
1	SaulHudson	slash@nodomain.xyz	December Snow	2018-03-01 14:00:00.000	2018-03-01 14:30:00.000	0.500000	Finished

Update a User

Results Messages						
	vc_UserID	UserName	EmailAddress	UserDescription	WebSiteURL	UserRegisteredDate
1	2	SaulHudson	slash@nodomain.xyz	I like Les Paul guitars	NULL	2018-03-01 00:00:00.000

No more on time

Results Messages		
	vc_StatusID	StatusText
1	3	Finished
2	1	Scheduled
3	2	Started

Part 2 Putting All Together

Tags

```
-- Add records to the vc_Tag table
insert into vc_Tag (TagText, TagDescription)
values ('Personal', 'About people'),
       ('Professional', 'Business, business, business'),
       ('Sports', 'All manner of sports'),
       ('Music', 'Music analysis, news, and thoughts'),
       ('Games', 'Live streaming our favorite games')
select * from vc_Tag
```

Results Messages			
	vc_TagID	TagText	TagDescription
1	1	Personal	About people
2	2	Professional	Business, business, business
3	3	Sports	All manner of sports
4	4	Music	Music analysis, news, and thoughts
5	5	Games	Live streaming our favorite games

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User Tag List

100 %			
Results Messages			
	vc_UserTagListID	vc_TagID	vc_Us
1	5	1	3
2	14	1	4
3	6	1	6
4	3	2	1
5	12	2	3
6	8	2	5
7	2	2	6
8	4	3	2
9	1	3	6
10	9	4	4
11	13	4	5
12	11	5	2
13	7	5	3
14	10	5	6

User Tag Reports

```
select UserName, EmailAddress, TagText
from vc_User
join vc_UserTagList on vc_UserTagList.vc_UserID = vc_User.vc_UserID
join vc_Tag on vc_Tag.vc_TagID = vc_UserTagList.vc_TagID
order by vc_User.UserName, vc_Tag.TagText
```

Results Messages			
	UserName	EmailAddress	TagText
1	DnDGal	dnd@nodomain.xyz	Games
2	DnDGal	dnd@nodomain.xyz	Personal
3	DnDGal	dnd@nodomain.xyz	Professional
4	DnDGal	dnd@nodomain.xyz	Sports
5	Gordon	sumner@nodomain.xyz	Games
6	Gordon	sumner@nodomain.xyz	Personal
7	Gordon	sumner@nodomain.xyz	Professional
8	HairCut	S.todd@nodomain.xyz	Music
9	HairCut	S.todd@nodomain.xyz	Professional
10	RDwight	rdwight@nodomain.xyz	Professional
11	SaulHudson	slash@nodomain.xyz	Games
12	SaulHudson	slash@nodomain.xyz	Sports
13	TheDoctor	tomBaker@nodomain.xyz	Music
14	TheDoctor	tomBaker@nodomain.xyz	Personal

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```
/*
    Course: IST 659
    Term: Fall 2020
*/

-- Adding a row to the vc_Status table
insert into vc_Status (StatusText)
values ('scheduled')

-- Correct the previously entered value to have capital 'S'
update vc_Status set StatusText = 'Scheduled' where vc_StatusID = 1

-- Adding three more rows to the vc_Status table
insert into vc_Status (StatusText)
values ('Started'), ('Finished'), ('On time')

-- Look up reference keys for these two values
select * from vc_User where UserName = 'SaulHudson'
select * from vc_Status where StatusText = 'Finished'

-- Adding a vidcast record to the VidCast Table
insert into vc_VidCast
    (VidCastTitle, StartDateTime, EndDateTime, ScheduledDurationMinutes,
    RecordingURL, vc_UserID, vc_StatusID)
values
    ('December Snow', '3/1/2018 14:00', '3/1/2018 14:30', 30,
    '/XVF1234', 2, 3)

-- Query example from multiple tables in the database
select
    vc_User.UserName,
    vc_User.EmailAddress,
    vc_VidCast.VidCastTitle,
    vc_VidCast.StartDateTime,
    vc_VidCast.EndDateTime,
    vc_VidCast.ScheduledDurationMinutes / 60.0 as ScheduledHours,
    vc_Status.StatusText
from vc_VidCast
join vc_User on vc_VidCast.vc_UserID = vc_User.vc_UserID
join vc_Status on vc_VidCast.vc_StatusID = vc_Status.vc_StatusID
where vc_User.UserName = 'SaulHudson'
order by vc_VidCast.StartDateTime

-- Correcting a User's UserRegisteredDate
update vc_User set UserRegisteredDate = '3/1/2018' where UserName = 'SaulHudson'
select * from vc_User where UserName = 'SaulHudson'

-- Delete records with StatusText = 'On time'
delete vc_Status where StatusText = 'On time'
select * from vc_Status

-- Add records to the vc_Tag table
insert into vc_Tag (TagText, TagDescription)
values ('Personal', 'About people'),
    ('Professional', 'Business, business, business'),
    ('Sports', 'All manner of sports'),
    ('Music', 'Music analysis, news, and thoughts'),
```

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```
        ('Games', 'Live streaming our favorite games')
select * from vc_Tag

-- Add additional users to the vc_User table
insert into vc_User (UserName, EmailAddress, UserDescription)
values ('TheDoctor', 'tomBaker@nodomain.xyz', 'The definite article'),
       ('HairCut', 'S.todd@nodomain.xyz', 'Fleet Street barber shop'),
       ('DnDGal', 'dnd@nodomain.xyz', 'NULL')
select * from vc_User

-- Add records to the vcUserTagList table
INSERT INTO vc_UserTagList (vc_UserID, vc_TagID)
VALUES
((SELECT vc_UserID FROM vc_User WHERE UserName='DnDGal'),
 (SELECT vc_TagID FROM vc_Tag WHERE TagText='Sports')),
((SELECT vc_UserID FROM vc_User WHERE UserName='DnDGal'),
 (SELECT vc_TagID FROM vc_Tag WHERE TagText='Professional')),
((SELECT vc_UserID FROM vc_User WHERE UserName='RDwight'),
 (SELECT vc_TagID FROM vc_Tag WHERE TagText='Professional')),
((SELECT vc_UserID FROM vc_User WHERE UserName='SaulHudson'),
 (SELECT vc_TagID FROM vc_Tag WHERE TagText='Sports')),
((SELECT vc_UserID FROM vc_User WHERE UserName='Gordon'),
 (SELECT vc_TagID FROM vc_Tag WHERE TagText='Personal')),
((SELECT vc_UserID FROM vc_User WHERE UserName='DnDGal'),
 (SELECT vc_TagID FROM vc_Tag WHERE TagText='Personal')),
((SELECT vc_UserID FROM vc_User WHERE UserName='Gordon'),
 (SELECT vc_TagID FROM vc_Tag WHERE TagText='Games')),
((SELECT vc_UserID FROM vc_User WHERE UserName='HairCut'),
 (SELECT vc_TagID FROM vc_Tag WHERE TagText='Professional')),
((SELECT vc_UserID FROM vc_User WHERE UserName='TheDoctor'),
 (SELECT vc_TagID FROM vc_Tag WHERE TagText='Music')),
((SELECT vc_UserID FROM vc_User WHERE UserName='DnDGal'),
 (SELECT vc_TagID FROM vc_Tag WHERE TagText='Games')),
((SELECT vc_UserID FROM vc_User WHERE UserName='SaulHudson'),
 (SELECT vc_TagID FROM vc_Tag WHERE TagText='Games')),
((SELECT vc_UserID FROM vc_User WHERE UserName='Gordon'),
 (SELECT vc_TagID FROM vc_Tag WHERE TagText='Professional')),
((SELECT vc_UserID FROM vc_User WHERE UserName='HairCut'),
 (SELECT vc_TagID FROM vc_Tag WHERE TagText='Music')),
((SELECT vc_UserID FROM vc_User WHERE UserName='TheDoctor'),
 (SELECT vc_TagID FROM vc_Tag WHERE TagText='Personal'))
select * from vc_UserTagList

select UserName, EmailAddress, TagText
from vc_User
join vc_UserTagList on vc_UserTagList.vc_UserID = vc_User.vc_UserID
join vc_Tag on vc_Tag.vc_TagID = vc_UserTagList.vc_TagID
order by vc_User.UserName, vc_Tag.TagText
```