

The view is running the function created earlier and presenting the results by UserID and top 10 counts.

## **5 – In your own words – Change email**

The procedure is setting it to where you have to have the UserName and new email address in order to update the email. You can't update an email without putting in the user name, and you can't put in just the user name without also putting in the new email. Both values have to have something inserted.

## **6 – In your own words – UserLoginTimestamp**

The timestamp is different because it is based on the time I ran the code and created that feature.

Pfft. I have no idea. I've tried a few things but I get null results.

## Part 2

1

Results Messages		
	(No column name)	(No column name)
1	Trying the vc_UserIDLookup function.	6

2

Results Messages		
	TagText	VidCasts
1	Art	256
2	Audio Recording	266
3	Baseball	242
4	Basketball	236
5	Cat Videos	0
6	Collectibles	258
7	Consoles	260
8	Fashion	240
9	Football	259
10	Games	254
11	Motors	0
12	Music	237
13	Personal	263
14	Professional	264
15	Sports - General	235

3

Results		Messages					
	vc_UserID	UserName	EmailAddress	UserDescription	WebSiteURL	UserRegisteredDate	TotalMini
1	1	ethanol	Donec.tempus@penatibusetmagnis.co.uk	Agile development non-disclosure agreement equity ...	http://ethanol.vidcast659.site	2017-12-30 22:19:12.000	1859
2	2	dispatcher	quam@aptenitacitisociosqu.ca	A/B testing handshake disruptive seed money infogr...	http://dispatcher.vidcast659.site	2017-12-08 03:36:00.000	1368
3	3	camel	mauris@massanon.edu	User experience founders branding entrepreneur iter...	http://camel.vidcast659.site	2017-08-14 03:21:36.000	1859
4	4	infatuated	molis@Nam.org	Lean startup launch party angel investor branding b...	http://infatuated.vidcast659.site	2017-06-07 17:02:24.000	1426
5	5	hygienist	magna.Ut@necumasuscipit.ca	Business model canvas accelerator pivot network ef...	http://hygienist.vidcast659.site	2017-03-17 23:16:48.000	1139
6	6	tardy	kmstudent@syr.edu	Startup leverage growth hacking bootstrapping scru...	http://tardy.vidcast659.site	2017-03-12 15:36:00.000	2303
7	7	wood	turpis.egestas.Fusce@massanonante.net	Technology investor marketing alpha.	http://wood.vidcast659.site	2017-06-21 15:36:00.000	2292
8	8	mallard	vel.Lectus.Cum@veliteget.edu	Assets sales success bandwidth business model ca...	http://mallard.vidcast659.site	2017-09-15 19:55:12.000	1828
9	9	lifted	eu@elitsed.net	NULL	http://lifted.vidcast659.site	2017-04-15 20:24:00.000	1828
10	10	gum	ut@pharetraQuisqueac.com	Infographic incubator hypotheses client conversion ...	http://gum.vidcast659.site	2017-02-24 09:07:12.000	1238
11	11	doughnut	ipsum.primis@Cumsociis.com	Assets sales incubator user experience ecosystem a...	http://doughnut.vidcast659.site	2017-01-31 01:12:00.000	1830
12	12	bewildered	Donec.porttitor.tellus@odioAliquamvulputate.edu	Infrastructure research & development venture bum ...	http://bewildered.vidcast659.site	2017-12-29 09:07:12.000	1944
13	13	albite	nisi@vitaemauris.org	Learning curve partnership buzz value proposition re...	http://albite.vidcast659.site	2017-07-25 00:00:00.000	1971
14	14	groggy	omare.In.faucibus@egestas.ca	Sales niche market user experience investor social ...	http://groggy.vidcast659.site	2017-04-20 09:50:24.000	2464
15	15	bicycle	Quisque.porttitor.eros@mi.net	Success network effects focus monetization iPhone...	http://bicycle.vidcast659.site	2017-01-17 12:00:00.000	1152
16	16	hills	vita.posuere.at@vestibulummassa.co.uk	Angel investor technology ramen learning curve non...	NULL	2017-10-07 12:43:12.000	1240
17	17	winter	accumsan@ascelerisque.net	IPad user experience android.	NULL	2018-04-26 02:09:36.000	403
18	18	chef	ultrices.sem@estMauris.edu	Bootstrapping startup accelerator conversion.	NULL	2017-11-08 23:45:36.000	1902
19	19	untrue	Sed@musAeneaneget.ca	Release first mover advantage analytics channels v...	NULL	2017-02-09 12:43:12.000	1495
20	20	ecstatic	blandit.enim.consequat@loremutaliquam.co.uk	Bandwidth series A financing niche market.	NULL	2017-11-16 00:00:00.000	2682
21	21	unfinished	faucibus@semutcurus.ca	Focus MVP infrastructure gamification channels soci...	http://unfinished.vidcast659.site	2017-04-18 20:24:00.000	2262
22	22	console	tristique@justoeuarcu.com	Customer buzz strategy hackathon influencer. Laun...	http://console.vidcast659.site	2017-02-15 15:50:24.000	1022
23	23	laptop	adipiscing.ligula@ullamcorpereueuismod.co.uk	Infographic business plan angel investor technology...	http://laptop.vidcast659.site	2017-09-15 21:50:24.000	1758

4

Results		Messages	
	TagText	VidCasts	
1	Audio Recording	266	
2	Professional	264	
3	Personal	263	
4	Consoles	260	
5	Football	259	
6	Collectibles	258	
7	Art	256	
8	Games	254	
9	Baseball	242	
10	Fashion	240	
11	Music	237	
12	Basketball	236	
13	Sports - General	235	
14	Motors	0	
15	Cat Videos	0	

5

Results Messages			
	UserName	VidCastCount	TotalMinutes
1	ecstatic	22	2682
2	principle	19	3413
3	canadian	18	1928
4	metacarpal	18	3053
5	przewalski	17	2664
6	silly	17	2851
7	archives	16	2374
8	doughnut	16	1830
9	groggy	16	2464
10	sines	16	2316

6

Results Messages			
	vc_TagID	TagText	TagDescription
1	16	SQL	Finally, a SQL Tag

7

Honestly, I did not do this on my own. I collaborated with another student, and neither of us could figure out how to get the StatusID to update. I tried an UPDATE statement to change the StatusText to 'Finished' but just got errors. Tried changing the StatusID, that didn't work either.

Results Messages								
	vc_VidCastID	VidCastTitle	StartDateTime	EndDateTime	ScheduleDurationMinutes	RecordingURL	vc_UserID	vc_StatusID
1	863	Finally done with sprocs	2020-11-25 12:44:27.147	NULL	45	NULL	6	2

  

	vc_VidCastID	VidCastTitle	StartDateTime	EndDateTime	ScheduleDurationMinutes	RecordingURL	vc_UserID	vc_StatusID
1	863	Finally done with sprocs	2020-11-25 12:44:27.147	2020-11-25 13:29:27.150	45	NULL	6	2

## 8 – Code

```
CREATE FUNCTION dbo.vc_UserIDLookup(@userName varchar(20))
RETURNS INT AS
BEGIN
    DECLARE @returnValue int
    SELECT @returnValue = vc_UserID from vc_User
    WHERE UserName = @userName
    RETURN @returnValue
END
GO
```

```
SELECT 'Trying the vc_UserIDLookup function.', dbo.vc_UserIDLookup('tardy')
```

```
ALTER FUNCTION dbo.vc_TagVidCastCount(@tagText varchar(20))
RETURNS INT AS
BEGIN
    DECLARE @returnValue int
    SELECT @returnValue = COUNT(vc_TagID)
    FROM vc_VidCastTagList

    WHERE vc_TagID = @tagText
    RETURN @returnValue
END
GO
```

```
SELECT
    vc_Tag.TagText
    , dbo.vc_TagVidCastCount(vc_Tag.vc_TagID) as VidCasts
from vc_Tag
```

```
CREATE FUNCTION dbo.vc_VidCastDuration(@user_id int)
RETURNS INT AS
BEGIN
    DECLARE @actual_duration int
    SELECT @actual_duration = SUM(DATEDIFF(n, startdatetime, enddatetime))
    FROM vc_VidCast
    JOIN vc_Status on vc_Status.vc_StatusID = vc_VidCast.vc_StatusID
    WHERE StatusText = 'Finished' AND vc_UserID = @user_id

    RETURN @actual_duration
END
GO
```

```
SELECT * , dbo.vc_VidCastDuration(vc_UserID) as TotalMinutes
FROM vc_User
```

```
ALTER VIEW vc_TagReport AS
SELECT
    vc_Tag.TagText
    , dbo.vc_TagVidCastCount(vc_TagID) as VidCasts
```

```

        FROM vc_Tag

GO

SELECT * FROM vc_TagReport ORDER BY VidCasts DESC

ALTER VIEW vc_MostProlificUsers AS
    SELECT TOP 10
        *
        , dbo.vc_VidCastCount(vc_UserID) as VidCastCount
        , dbo.vc_VidCastDuration(vc_UserID) as TotalMinutes
    FROM vc_User
    ORDER BY VidCastCount DESC

GO

SELECT UserName, VidCastCount, TotalMinutes FROM vc_MostProlificUsers

CREATE PROCEDURE vc_AddTag(@tagText varchar(20), @description varchar(100)=NULL)
AS
BEGIN

    INSERT INTO vc_Tag (TagText, TagDescription)
    VALUES (@tagText, @description)

    RETURN @@identity

END
GO

DECLARE @newTagID int
EXEC @newTagID = vc_AddTag 'SQL', 'Finally, a SQL Tag'
SELECT * FROM vc_Tag WHERE vc_TagID = @newTagID

ALTER PROCEDURE vc_FinishVidCast(@finishVC int)
AS
BEGIN
    DECLARE @vidcastID int
    SELECT @vidcastID = vc_VidCastID
    FROM vc_VidCast
    JOIN vc_status on vc_Status.vc_StatusID = vc_VidCast.vc_StatusID
    WHERE vc_vidcast.vc_StatusID = @finishVC

    UPDATE vc_VidCast SET EndDateTime = GETDATE()

    RETURN @@IDENTITY

END
GO

DECLARE @newVC int
INSERT INTO vc_VidCast
(VidCastTitle, StartDateTime, ScheduleDurationMinutes, vc_UserID, vc_StatusID)
VALUES
('Finally done with sprocs'
, DATEADD(n, -45, GETDATE()))

```

```
, 45
, (SELECT vc_UserID FROM vc_User WHERE UserName = 'tardy')
, (SELECT vc_StatusID FROM vc_Status WHERE StatusText='Started')
)
SET @newVC = @@identity
SELECT * FROM vc_VidCast WHERE vc_VidCastID = @newVC
EXEC vc_FinishVidCast @newVC
SELECT * FROM vc_VidCast WHERE vc_VidCastID = @newVC
```