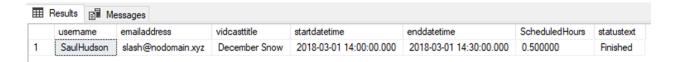11 November 2020
Lab 6

Part 1

First Vidcast

	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	/XCF1234	2	3

Saul's First VidCast

	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

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

No more on time

	vc_StatusID	StatusText
1	3	Finished
2	4	On time
3	1	Scheduled
4	2	Started

	vc_StatusID	StatusText
1	3	Finished
2	1	Scheduled
3	2	Started

Part 2

Tags

```sql
-- Adding tags to Tab table
INSERT INTO vc_Tag
    (TagText, TagDescriptioin)
    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
```

	vc_TagID	TagText	TagDescriptioin
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

Users

```sql
-- Adding more users
INSERT INTO vc_User
    (UserName, EmailAddress, UserDescrption)
    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
```

	vc_UserID	UserName	EmailAddress	UserDescrption	WebSiteURL	UserResigteredDate
1	1	RDwight	rdwight@nodomain.xyz	Piano Teacher	NULL	2020-11-09 01:22:06.603
2	2	SaulHudson	slash@nodomain.xyz	I like Les Paul guitars	NULL	2018-03-01 00:00:00.000
3	3	Gordon	sumner@nodomain.xyz	Former cop	NULL	2020-11-09 01:22:06.603
4	4	TheDoctor	tombaker@nodomain.xyz	The definite article	NULL	2020-11-11 20:38:06.303
5	5	HairCut	s.todd@nodomain.xyz	Fleet Street barber shop	NULL	2020-11-11 20:38:06.303
6	6	DnDGal	dnd@nodomain.xyz	NULL	NULL	2020-11-11 20:38:06.303

User Tag List

This is where I'm running into an issue. My code so far I put at the end of this document. I clearly messed up somewhere but I don't know where. Here is the error I get:

It's hard to read, but it's a UNIQUE KEY constraint error. It's saying there's a duplicate.

```sql
-- Adding a row to the vc_Status table
INSERT INTO vc_Status (StatusText)
VALUES ('Scheduled')

-- The following line shows all of the rows in vc_Status
SELECT * FROM vc_Status

-- Adding three more rows to the vc_Status table
INSERT INTO vc_Status (StatusText)
VALUES ('Started'), ('Finished'), ('On time')

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
```

```sql
        ('December Snow', '3/1/2018 14:00', '3/1/2018 14:30', 30,
        '/XCF1234', 2, 3)

-- Read all rows from vc_Vidcast
SELECT * FROM vc_VidCast



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 UserResigteredDate = '3/1/2018' WHERE username = 'saulhudson'

SELECT * FROM vc_user WHERE username = 'saulhudson'

-- See what rows we have in status
SELECT * FROM vc_status

-- Delete the On Time Status
DELETE vc_status WHERE statustext = 'on time'

-- See the effect
SELECT * FROM vc_status

-- Adding tags to Tab table
INSERT INTO vc_Tag
        (TagText, TagDescriptioin)
        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

-- Adding more users
INSERT INTO vc_User
        (UserName, EmailAddress, UserDescrption)
        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
```

```sql
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
```

Appendix B

```sql
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')),
```

```sql
((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'))
```