# Lab 07

## Part 2 – Putting All Together

## SQL Query File

Here is the SQL File that I used:

SELECT

vc\_User.Username,

vc\_User.EmailAddress,

vc\_VidCast.vc\_VidCastID

FROM vc\_VidCast

JOIN vc\_User on vc\_User.vc\_Userid = vc\_VidCast.vc\_UserID

ORDER BY vc\_User.Username

SELECT \* FROM vc\_User

WHERE vc\_UserID NOT IN (SELECT vc\_UserID FROM vc\_VidCast)

SELECT

vc\_User.UserName,

vc\_User.EmailAddress,

vc\_VidCast.vc\_VidCastID

FROM vc\_VidCast

RIGHT JOIN vc\_User ON vc\_User.vc\_UserID = vc\_VidCast.vc\_UserID

ORDER BY vc\_user.UserName

SELECT

COUNT(vc\_VidCastID) as NumberOfVidCasts,

SUM(ScheduleDurationMinutes) as TotalScheduledMinutes,

MIN(ScheduleDurationMinutes) as MinScheduledMinutes,

AVG(ScheduleDurationMinutes) as AvgScheduledMinutes,

MAX(ScheduleDurationMinutes) as MaxScheduledMinutes

FROM vc\_VidCast

-- This will generate an error ---

SELECT

vc\_User.UserName,

vc\_User.EmailAddress,

COUNT(vc\_VidCast.vc\_VidCastID) CountOfVidCasts

FROM vc\_VidCast

RIGHT JOIN vc\_User ON vc\_User.vc\_UserID = vc\_VidCast.vc\_UserID

ORDER BY vc\_User.UserName

-- this one is correct ---

SELECT

vc\_User.UserName,

vc\_User.EmailAddress,

COUNT(vc\_VidCast.vc\_VidCastID) CountOfVidCasts

FROM vc\_VidCast

RIGHT JOIN vc\_User ON vc\_User.vc\_UserID = vc\_VidCast.vc\_UserID

GROUP BY

vc\_User.UserName,

vc\_User.EmailAddress

ORDER BY vc\_User.UserName

SELECT

vc\_User.UserName,

vc\_User.EmailAddress,

COUNT(vc\_VidCast.vc\_VidCastID) CountOfVidCasts

FROM vc\_VidCast

RIGHT JOIN vc\_User ON vc\_User.vc\_UserID = vc\_VidCast.vc\_UserID

GROUP BY

vc\_User.UserName,

vc\_User.EmailAddress

ORDER BY CountOfVidCasts DESC

SELECT

vc\_User.UserName,

vc\_User.EmailAddress,

COUNT(vc\_VidCast.vc\_VidCastID) CountOfVidCasts

FROM vc\_VidCast

RIGHT JOIN vc\_User ON vc\_User.vc\_UserID = vc\_VidCast.vc\_UserID

GROUP BY

vc\_User.UserName,

vc\_User.EmailAddress

HAVING COUNT(vc\_VidCast.vc\_VidCastID) < 10

ORDER BY CountOfVidCasts DESC, vc\_User.UserName

SELECT

vc\_User.UserName,

vc\_User.EmailAddress,

SUM(DateDIff(n, StartDateTIme, EndDateTime)) as SumActualDurationMinutes

FROM vc\_VidCast

RIGHT JOIN vc\_User ON vc\_User.vc\_UserID = vc\_VidCast.vc\_UserID

JOIN vc\_Status on vc\_Status.vc\_StatusID = vc\_VidCast.vc\_StatusID

WHERE vc\_Status.StatusText = 'Finished'

GROUP BY

vc\_User.UserName,

vc\_User.EmailAddress

ORDER BY vc\_User.UserName

-- Adding count of VidCasts, minimum, average and maximum durations for each vc\_User record.

-- Sorting by by descending count of videos and then by UserName

SELECT

vc\_User.UserName,

vc\_User.EmailAddress,

SUM(DateDIff(n, StartDateTIme, EndDateTime)) as SumActualDurationMinutes,

COUNT(vc\_VidCastID) as CountOfVidCasts,

MIN(DateDIff(n, StartDateTIme, EndDateTime)) as MinActualDurationMinutes,

AVG(DateDIff(n, StartDateTIme, EndDateTime)) as AvgActualDurationMinutes,

MAX(DateDIff(n, StartDateTIme, EndDateTime)) as MaxActualDurationMinutes

FROM vc\_VidCast

RIGHT JOIN vc\_User ON vc\_User.vc\_UserID = vc\_VidCast.vc\_UserID

JOIN vc\_Status on vc\_Status.vc\_StatusID = vc\_VidCast.vc\_StatusID

WHERE vc\_Status.StatusText = 'Finished'

GROUP BY

vc\_User.UserName,

vc\_User.EmailAddress

ORDER BY CountOfVidCasts DESC, vc\_User.UserName

-- End Select