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CS 480 - HW 4

4/18/2016

**1.**

ER-Diagram in folder titled as "musicLibrary.html"

**2.**

SELECT t.song\_id

FROM (

SELECT u.song\_id

FROM User\_History u

JOIN Song s ON u.song\_id=s.song\_id

UNION ALL

SELECT h.user\_id

FROM User\_History h

JOIN User u ON h.user\_id=u.user\_id

WHERE user\_id='%j\_park%' AND user\_id='%minosong%'

) AS t

GROUP BY song\_id

3.

SELECT t.username

FROM (

SELECT EXTRACT(YEAR FROM registration\_date) AS registeredYear

FROM User

WHERE registeredYear='2015'

UNION ALL

SELECT u.country\_id

FROM User u

JOIN Country c ON u.country\_id=c.country\_id

WHERE u.country\_id='United States' AND u.country\_id='Canada'

) AS t