**Ryan Carmello & Mike Durso Database Management**

**CMPT 308 – Section 113**

**Lab 3b**

**Query 28:** Name the consoles that have no $9.99 games that were played by any user from Tokyo.

SELECT Consoles.ConsoleName

FROM Consoles

WHERE Consoles.CNum NOT IN

(SELECT Plays.CNum

FROM Plays

WHERE Plays.GNum IN

(SELECT Games.GNum

FROM Games

WHERE Games.ListPrice = 9.99

AND Games.GNum IN

(SELECT Plays2.GNum

FROM Plays AS Plays2

WHERE Plays2.UNum IN

(SELECT Users.UNum

FROM Users

WHERE Users.Hometown = "Tokyo"))));

| **ConsoleName** |
| --- |
| Coleco |
| GameBoy |

Cardinality: 2 records

**Query 29:** Get user numbers for users that played at least one game played by atleast one user who played at least one game whose ListPrice is $9.99.

SELECT DISTINCT Plays3.UNum

FROM Plays AS Plays3

WHERE Plays3.GNum IN

(SELECT Plays2.GNum

FROM Plays AS Plays2

WHERE Plays2.UNum IN

(SELECT Plays1.UNum

FROM Plays AS Plays1

WHERE Plays1.GNum IN

(SELECT Games.GNum

FROM Games

WHERE Games.ListPrice = 9.99)));

| **UNum** |
| --- |
| U10 |
| U20 |
| U30 |
| U40 |
| U50 |

Cardinality: 5 records

**Query 30:** Name the consoles whose only game(s) played were by user U20.

SELECT Consoles.ConsoleName

FROM Consoles

WHERE Consoles.CNum NOT IN

(SELECT Plays1.CNum

FROM Plays AS Plays1

WHERE Plays1.UNum NOT IN

(SELECT Plays3.UNum

FROM Plays AS Plays3

WHERE Plays3.UNum = "U20"));

| **ConsoleName** |
| --- |
| GameBoy |

Cardinality: 1 record

**Query 31:** Name the games that have been played on all consoles manufactured in Tokyo.

SELECT Games.GameName

FROM Games

WHERE NOT EXISTS

(SELECT \*

FROM Consoles

WHERE Consoles.ManuLoc = "Tokyo"

AND NOT EXISTS

(SELECT \*

FROM Plays

WHERE Plays.GNum = Games.GNum

AND Plays.CNum = Consoles.CNum));

| **GameName** |
| --- |
| Zelda |
| MarioBros |

Cardinality: 2 records

**Query 32:** Get user numbers for users who played the same game on all consoles.

SELECT Users.UNum

FROM Users

WHERE NOT EXISTS

(SELECT \*

FROM Consoles

WHERE NOT EXISTS

(SELECT \*

FROM Plays, Plays AS Plays2

WHERE Plays.UNum = users.UNum

AND Plays.CNum = Consoles.CNum

AND Plays2.GNum = Plays.GNum

| **UNum** |
| --- |
| U20 |

Cardinality: 1 record

**Query 33:** Get console numbers for consoles that have at least all of the games played by user U10.

SELECT Consoles.CNum

FROM Consoles

WHERE NOT EXISTS

(SELECT \*

FROM Games, Plays AS Plays2

WHERE Games.GNum = Plays2.GNum

AND Plays2.UNum = "U10"

AND NOT EXISTS

(SELECT \*

FROM Plays

WHERE Plays.GNum = Games.GNum

AND Plays.CNum = Consoles.CNum));

| **CNum** |
| --- |
| C1 |
| C4 |

Cardinality: 2 records