Video Store Data Lesson 10

**Customer Table**

* customerID: INT UNSIGNED NOT NULL AUTO\_INCREMENT
* FirstName VARCHAR(100)
* LastName: VARCHAR(100)
* BirthDate: DATE
* address: VARCHAR(100)

**Video Table**

* videoID: INT UNSIGNED NOT NULL AUTO\_INCREMENT
* title: VARCHAR(100)
* release\_year: DATE
* director: VARCHAR (100)

**Rental Table**

* videoID
* RentalDate
* ReturnDate
* RentalFee
* LateFee
* customerID
* rentalID
* DueDate

**Linking Video and Customer Tables**

* To link these data sets, I would use an INNER JOIN between the customer and video tables, probably predicated on the customerID and videoID data points. I would be sure to include the dates of the rental and return, as well as fee information. Finally, there will need to be a table that links the video information with the customer information in order to keep track of who is renting what.

**Video Table Data**

* videoID: INT UNSIGNED NOT NULL AUTO\_INCREMENT
* title: VARCHAR(100)
* release\_year: DATE (year)
* director: VARCHAR (100)

**Video Data**

* INSERT INTO Video\_Data VALUES (NULL, ‘The Lord of the Rings: The Fellowship of the Ring’, ‘2001’, ‘Peter Jackson’)
* INSERT INTO Video\_Data VALUES (NULL, ‘The Lord of the Rings: The Two Towers’, ‘2002’, ‘Peter Jackson’)
* INSERT INTO Video\_Data VALUES (NULL, The Lord of the Rings: The Return of the King’, ‘2003’, ‘Peter Jackson’)
* INSERT INTO Video\_Data VALUES (NULL, ‘Star Wars Episode I: The Phantom Menace’, ‘1999’, ‘George Lucas’)
* INSERT INTO Video\_Data VALUES (NULL, ‘Star Wars Episode II: Attack of the Clones’, ‘2002’, ‘George Lucas’)
* INSERT INTO Video\_Data VALUES (NULL, ‘Star Wars Episode III: Revenge of the Sith’, ‘2005’, ‘George Lucas’)
* INSERT INTO Video\_Data VALUES (NULL, ‘Star Wars Episode IV: A New Hope’, ‘1977’, ‘George Lucas’)
* INSERT INTO Video\_Data VALUES (NULL, Star Wars Episode V: The Empire Strikes Back’, ‘1980’, ‘Irvin Kershner’)
* INSERT INTO Video\_Data VALUES (NULL, ‘Star Wars Episode VI: Return of the Jedi’, ‘1983’, ‘Richard Marquand’)
* INSERT INTO Video\_Data VALUES (NULL, ‘The Big Lebowski’, ‘1998’, ‘Joel and Ethan Coen’)

**Web Page**

* Customer Information
  + Add record
  + Change record
  + Delete record
  + Track late fees
* Video Information
  + Add record
  + Change record
  + Delete record
* Rental information
  + Check out date
  + Return date
* Fees
  + Rental fee
  + Late fee
  + Purchase fee

**User Accounts**

* Manager account (root)
  + All privileges
* Clerk Account
  + INSERT
  + SELECT
  + UPDATE
* Accountant Account
  + SELECT
  + UPDATE
  + INSERT
  + CREATE VIEW
  + CREATE TEMP TABLES

Graphical user interface, diagram

Description automatically generated