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CIS276DA, section 30179

March 3rd, 2018. Word list for final project

Customer table:

customerID INT UNSIGNED NOT NULL AUTO\_INCREMENT (foreign key)

FirstName VARCHAR(100)

LastName VARCHAR(100) NOT NULL

BirthDate DATE

Address VARCHAR(250)

Phone INT UNSIGNED NOT NULL

Email VARCHAR(50)

Video table:

videoID INT UNSIGNED NOT NULL AUTO\_INCREMENT (foreign key)

title VARCHAR(100) NOT NULL

Genre VARCHAR(20) \* unless we can do ENUM’s, in which case use that.

Director VARCHAR(50)

Producer VARCHAR(50)

Year INT

Actor 1 VARCHAR(50)

Actor 2 VARCHAR(50)

Rented Boolean (tinyint)

Rental table:

Rental ID (int - primary key)

Due Date DATETIME

Fee charge decimal(6,2)

VideoID INT UNSIGNED NOT NULL (a foreign key linked to video ID from video table)

CustomerID (must match customer ID from customer table)

Date Rented DATETIME

Date Returned DATETIME

Videos:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ID | Title | Genre | Director | Year | Actor 1 | Actor 2 |
| 1 | Star Wars: A New Hope | Science Fiction | George Lucas | 1977 | Mark Hamill | Harrison Ford |
| 2 | Star Wars: Empire Strikes Back | Science Fiction | Irvin Kershner | 1980 | Mark Hamill | Harrison Ford |
| 3 | Star Wars: Return of the Jedi | Science Fiction | Richard Marquand | 1983 | Mark Hamill | Harrison Ford |
| 4 | The Fugitive | Action | Andrew Davis | 1993 | Harrison Ford | Tommy Lee Jones |
| 5 | The Shining | Horror / Suspense | Stanley Kubrick | 1980 | Jack Nicholson | Shelley Duvall |
| 6 | A Christmas Story | Holiday | Bob Clark | 1983 | Melinda Dillon | Darren McGavin |
| 7 | Young Frankenstein | Comedy | Mel Brooks | 1974 | Gene Wilder | Peter Boyle |
| 8 | Happy Gilmore | Comedy | Dennis Dugan | 1996 | Adam Sandler | Christopher McDonald |
| 9 | Billy Madison | Comedy | Tamra Davis | 1995 | Adam Sandler | Darren McGavin |
| 10 | The Avengers | Action | Joss Whedon | 2012 | Robert Downey Jr | Chris Evans |

Videos:

The web page should have a place to select the videos, like a list box, and a separate listbox that has videos currently selected – and a way to add / remove videos from the ‘cart’. As videos are added the price automatically updates. Below the list box on the form displays all the relevant info for the currently selected video, like director, genre, etc. There should also be a way to search by any of these categories.

Customer:

Customers information presented, plus a button to modify the customer info. When pressed, a separate section opens up with the customer info already loaded. This ‘modify customer’ section should have update, clear, delete buttons.

Rental

The rental part of the form should be below the video section but before the customer section. It lists the movies in the cart, amount of charges, and the due dates.

Users and privileges:

Employee: Create View, Delete, Drop, Insert, Select

Manager: all of the above plus: Create User

Owner: All Privileges

