

Video Store Website Plans

Franny Howes

WRA 410

Renters	
ID	Key, Autoincrement
Firstname	
Lastname	
Email	
Phone Number	
Street address	
City	
Zip Code	

This table lists the names and contact information for renters at the store.

Movies	
ID	Key, Autoincrement
Title	
IMDB entry	
Genre	For shelving pur-

This table holds entries for all the movies the store has, but not the copies of each movie.

Inventory	
ID	Key, Autoincrement
Movie ID	From movie table
Format	DVD, VHS, Blu-Ray
Status	In, out, or missing

This table keeps track of the individual copies of each movie for inventory purposes. Keeping this separate from films in general keeps data from being repeated over and over in one table, and makes it easier to track which films have been rented a lot, instead of which copies of which films.

Rental Table	
Date/time	key
Renter ID	
Inventory ID	From inventory table
Date Returned	null
Fee paid?	

This is a relational table showing which movies have been rented by which users. The date returned field allows past rentals to be kept in this table along with current rentals. The Fee paid? Field allows for a simple way to track if a user has paid late fees—it has to have a value of yes if date/time and date returned are more than 7 days apart.

Inventory View:

- pulls from Movie table
- shows all movies with status “in”
- sorts by genre, then by title

First check-out screen:

- lets you search for a user and select them
- will display their current rentals and late fees (like the “current rentals” view, pulling from the rental table)
- box to enter inventory ID of movie

Final check-out screen:

- creates row in rental table for each rental
- toggles status of each movie to “out” in the inventory table

Checking movies in view:

- search by inventory ID or title
- toggles status in inventory table to “in”

Current rentals view:

- pulls from rental table
- adds 7 days to the date rented
- shows movies where $7 + \text{date rented}$ is more than today, calculates than number, and outputs it as a late fee (\$1 per day)

Call late users view:

- looks up users who are in rental table where $(\text{date} + 7)$ is greater than today
- displays phone numbers

Popular videos view:

- looks at rental table
- counts instances of each movie ID with in a user-specified date range
- displays user specified number of most popular discs

Sign-up view

- form to create new user entry in Users table
- first time a user rents, they have to verify their info and show ID (see check-out view)
- to be used by employees to sign people up

Div structure—wireframe

container

header

login

navbar

content

form

footer

Wireframes for different views

User Lookup

Search By:

Telephone

Name

User ID

Search Results:

Smith, Bob

Name, User

User Name

Current Rentals: None

Current Late Fees: \$0

Enter CopyID:

User Name

Current Rentals:

2600 Johnny Mnemonic Due 4/24/09

Current Late Fees: \$0

Enter CopyID:

Checkout screen

User Name

Rented Today:

2600 Johnny Mnemonic \$5

Total: \$5

Movie Lookup:

Enter title:

Results:

Film: The Matrix	Genre: Sci-fi
4101	VHS In Store
4102	DVD In Store
4103	Blu-Ray Checked out

Design Comp

MA AND PA'S MOVIE STORE

LOGIN

CUTE LOGO
d6fd7c



CONTENT HEADER

LINK TEXT b8fc1d



6f8f25

8db52f