

California State University, East Bay

Database Architecture

Libraries DB project #2 & AddBook.html

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DB project

13. List the names of the cardholders who have checked out a book in the same category as a book checked out by Raul Felix.

```
SELECT b1.cardholder
FROM books b1, books b2
WHERE b2.cardholder = "Raul_Felix"
AND b2.category = b1.category

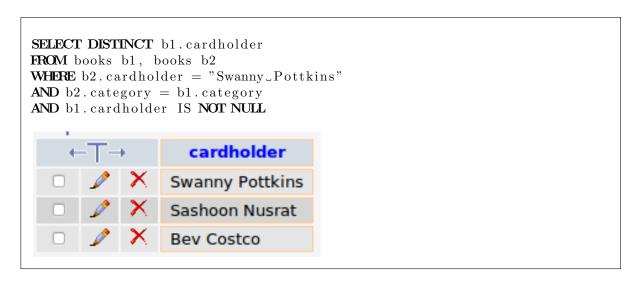
cardholder

Bev Costco

Raul Felix

Sashoon Nusrat
```

14. List the names of the cardholders who have checked out a book in the same category as a book checked out by Swanny Pottkins. Don't list duplicates or nulls.



15. List the names of the cardholders who have two or more books checked out and where at least one is in the Science category.

```
SELECT cardholder
FROM books b1
WHERE (

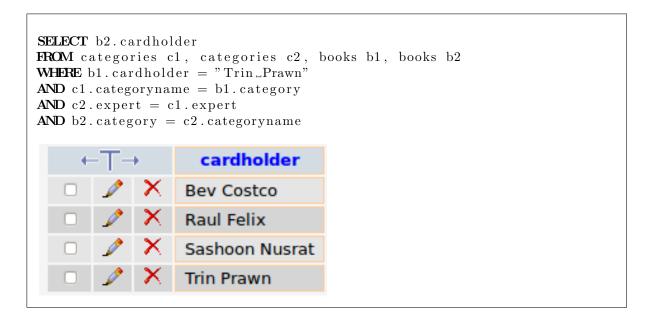
SELECT count(*)
FROM books
WHERE b1.cardholder = cardholder
) >1
AND b1.category = "Science"

Cardholder

Bev Costco

Sashoon Nusrat
```

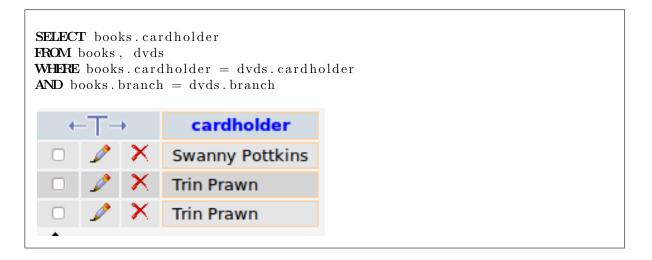
16. List the names of the cardholders who have checked out a book in a category serviced by the same expert as a category of a book checked out by Trin Prawn.



17. List the names of the cardholders who have checked out both a book and a Dvd.



18. List the names of the cardholders who have checked out both a book and a Dvd from the same branch.



19. List the titles of books and Dvds owned by the Downtown branch.

```
(
SELECT title
FROM books
WHERE branch = "Downtown"
)
UNION (

SELECT title
FROM dvds
WHERE branch = "Downtown"
)

title
"No Doc" Loans
Living in State Parks
WD-40
You're Fired!
Hayward by Night
```

20. List the titles owned as books but not Dvds by the Bayfair branch.

```
SELECT title
FROM books b1
WHERE NOT
EXISTS (

SELECT *
FROM dvds, books
WHERE dvds.title = books.title
AND books.title = b1.title
)
AND b1.branch = "Bayfair"

The title

Raccoons

Raccoons

Same as Cash

You're Fired!
```

AddBook.html

Source code

```
<!DOCTYPE html PUBLIC "-//W3C//DTD_XHTML_1.0_Transitional//EN" "http://www.w3.</pre>
   org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
 <head>
   <title>Add Book</title>
   <link rel="stylesheet" media="screen" type="text/css" href="design.css" />
 </head>
 <body>
   <h1>Add Book</h1>
   <h3>Fill in below fields and click on 'Add Book'</h3>
   <form name="AddBook" method="post" action="">
     <label for="book">Book:</label><br />
       <input type="text" name="book" id="book" /><br /> br />
       <label for="branch">Branch:</label><br />
       <select name="branch" id="branch">
         <option value="Bayfair">Bayfair
         <option value="CalState">CalState
         <option value="Downtown">Downtown</option>
       </select><br />
       <label for="category">Category:</label><br/>br />
       <select name="category" id="category">
         <option value="Business">Business
         <option value="Consumer">Consumer
         <option value="Science">Science
         <option value="Travel">Travel
       </select>\!\!<br /\!\!>
       <input type="submit" name="add" value="Add_Book" />
       <input type="button" name="return" value="Return" onClick="location.</pre>
           href='index.php'" />
     </form>
 </body>
</html>
```

Stylesheet

```
h1 {
    text-align: center;
    font-weight: bold;
    border: medium solid black;
    font-size: 150%;
}

h1, input[type=submit], input[type=button] {
    color: white;
    background-color: blue;
}
```

Result

Add Book

Fill in below fields and click on 'Add Book'

Book:
Branch:
Bayfair ‡
Category:
Business ‡
Add Book Return