CGS 3066: Spring 2017 Homework 3

Total Points: 450 Due: Sunday 04/30/2017 11:59 PM

In this assignment you will create three MySQL database tables and write php scripts to read, insert & delete data. You will be writing several SQL statements.

The first database table will contain the names of your favorite four movies. The second table will be a list of actors who appear in the movies. The third table will be an associative table that describes the relationship between actors and movies (which actors appear in which movies). Actors and movies have a many-to-many relationship (an actor can be in multiple movies and a movie can have multiple actors).

Database: Create databases- 50 points

Create a MySQL database table named dvdtitles, dvdActors, and dvdActorsTitles. You will be adding information about four (at least) of your favorite movies into dvdtitles, at least two actors for each of your movies and data into dvdActorsTitles that describes the relationship between your movies and actors. Each table should have the following structure:

	Field name	Type	Attributes
dvdtitles	asin	varchar(15)	primary key
uvutities	title	varchar(100)	
	price	double(5,2)	

	Field name	Type	Attributes
dvdActors	actorID	int(5)	auto_increment, primary key
uvuActors	fname	$\operatorname{varchar}(20)$	
	lname	$\operatorname{varchar}(20)$	

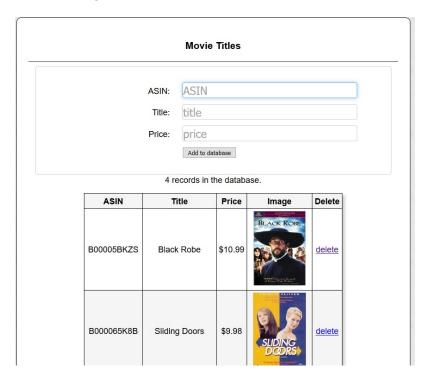
	Field name	Type	Attributes
${\rm dvdActorsTitles}$	asin	varchar(15)	primary key (composite)
	actorID	int(5)	primary key (composite)

ASIN is an acronym for "Amazon Standard Identification Number". It is a primary key that Amazon uses for all of its products. You can find ASINs on the product description page on Amazon's web site.

You need to copy your SQL statements and save it into a text file for submission.

Make 3 pages for adding information into the database - 300 points

• **movieTitles.php:** Create a page for adding, deleting and reading movie information to the database. The database should start with at least four of your favorite movies. The page should looks like the figure below.



Your mysql statement in php will look something like this

\$sql = "Insert into dvdtitles (asin, title, price)
VALUES ('\$asin', '\$title', \$price)";

The src of the images is:

http://images.amazon.com/images/P/XXX.01.MZZZZZZZ.jpg
where XXX is the item's ASIN.

• **movieActors.php:** Create a page for adding, deleting and reading actor information to the database. The database should start with at least two of actor from the movies. The page should looks like the figure below.

		Movie A	Actors		
Eirot r	name	first pa	mo		
FIISU	First name: first name				
Last r	Last name: last name				
		Add to data	abase		
	8	records in th	e database		
Acto	or ID		Last Name	Delete	
	or ID			Delete delete	
		First Name	Last Name		
	1	First Name Gwyneth	Last Name Paltrow	delete	
	1 2	First Name Gwyneth John	Last Name Paltrow Hannah	delete delete	
	1 2 3	First Name Gwyneth John Leonardo	Last Name Paltrow Hannah DeCaprio	delete delete delete	
	1 2 3 4	First Name Gwyneth John Leonardo Cate	Last Name Paltrow Hannah DeCaprio Blanchett	delete delete delete delete	
	1 2 3 4 5	First Name Gwyneth John Leonardo Cate Lothaire	Last Name Paltrow Hannah DeCaprio Blanchett Bluteau	delete delete delete delete delete	

Your mysql statement in php will look something like this

```
$sql = "Insert into dvdActors (fname, lname)
VALUES ('$fname', '$lname')";
```

• movieTitlesActors.php: Create a page for adding, deleting and reading dvdActorsTitles to the database. The database should start with ASIN and Actor ID from the previous table. The page should looks like the figure below.

	Movie Titl	es & Act	tors			
ASI	IN: ASIN	ASIN				
Actor	ID: actor	ID				
	Add to d	database				
	O an a secolar in					
	8 records in	the datab	ase.			
	8 records in	the datab				
B						
	ASIN	Actor ID	Delete			
В	ASIN 00005BKZS	Actor ID 3	Delete delete			
B	ASIN 00005BKZS 00005BKZS	Actor ID 3 4	Delete delete delete			
B	ASIN 00005BKZS 00005BKZS 000065K8B	Actor ID 3 4 1	Delete delete delete delete			
B B B B	ASIN 00005BKZS 00005BKZS 000065K8B 000065K8B	Actor ID 3 4 1 2	Delete delete delete delete delete			
B B B B B	ASIN 00005BKZS 00005BKZS 000065K8B 000065K8B	Actor ID 3 4 1 2 5	Delete delete delete delete delete delete			

Your mysql statement in php will look something like this
\$sql = "Insert into dvdActorsTitles (asin, actorID)
VALUES ('\$asin', '\$actorID')";

Because this table uses a composite key, the delete statement must reference both the asin and actorID fields.

SQL Example: Delete from dvdActorsTitles WHERE actorID=3 AND asin='B00005BKZS'

Create a dvd listing page - 100 points

movieListing.php: Create a page that combines all three tables and displays movie listings. The list should contain information like ASIN, Title, Price, Actors. As seen in the figure below, the actors should be grouped while listing

4 movies in the database.						
ASIN	Title	Price	Actors	Cover		
B00005BKZS	Black Robe	\$10.99	Cate Blanchett, Leonardo DeCaprio	DE CONTRACTOR		
B000065K8B	Sliding Doors	\$9.98	John Hannah, Gwyneth Paltrow	SLIDINGS		
B00080ZG1A	The Aviator	\$12.99	Lothaire Bluteau, Aden Young	ATTINOR STREET		

Submission instructions:

Submit assignments via the blackboard. Submit a file with SQL and list full URL for each pages in the assignment, listing the URLs in the same order that they are listed in the assignment. To minimize typos in URLs it is strongly recommended that you copy the URLs from the address bar of the browser rather than trying to type them. Incorrect URLs will not be graded and no credit will be given.