

# 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
	title	varchar(100)	
	price	double(5,2)	

	Field name	Type	Attributes
dvdActors	actorID	int(5)	auto_increment, primary key
	fname	varchar(20)	
	lname	varchar(20)	

	Field name	Type	Attributes
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 look like the figure below.

**Movie Titles**



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ASIN:

Title:

Price:

4 records in the database.

ASIN	Title	Price	Image	Delete
B00005BKZS	Black Robe	\$10.99		<a href="#">delete</a>
B000065K8B	Sliding Doors	\$9.98		<a href="#">delete</a>

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 look like the figure below.

**Movie Actors**

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First name:

Last name:

8 records in the database.

Actor ID	First Name	Last Name	Delete
1	Gwyneth	Paltrow	<a href="#">delete</a>
2	John	Hannah	<a href="#">delete</a>
3	Leonardo	DeCaprio	<a href="#">delete</a>
4	Cate	Blanchett	<a href="#">delete</a>
5	Lothaire	Bluteau	<a href="#">delete</a>
6	Aden	Young	<a href="#">delete</a>
7	Owen	Wilson	<a href="#">delete</a>
8	Vince	Vaughn	<a href="#">delete</a>

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 look like the figure below.

**Movie Titles & Actors**

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ASIN:

ActorID:

8 records in the database.

ASIN	Actor ID	Delete
B00005BKZS	3	<a href="#">delete</a>
B00005BKZS	4	<a href="#">delete</a>
B000065K8B	1	<a href="#">delete</a>
B000065K8B	2	<a href="#">delete</a>
B00080ZG1A	5	<a href="#">delete</a>
B00080ZG1A	6	<a href="#">delete</a>
B000BSM26Q	7	<a href="#">delete</a>
B000BSM26Q	8	<a href="#">delete</a>

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

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

### 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.