Week 9 - Case Assignment - A database-driven websites

Test the Guitar Shop website.

1. Add a product.

My Guitar Shop

Home	Category:	Guitars 🗸	
Admin	Code:	Celestial	
Categories	Name:	Celestial Resonance	
Guitars	List Price:	900	
Basses	Discount Percent: Description:	20.0	
<u>Drums</u>		 Each fret is meticulously mother-of-pearl, depicting of that guide your fingers to c that's nothing short of magi Finished with a high-gloss lacquer that shifts and shim lights, this guitar is not j instrument; it's a piece of 	onstellations reate music .cal. ., starburst mers under stage ust an
		Submit	
		the Description entry o start a new paragraph.	

- Use an asterisk to mark items in a bulleted list.
- Use one return between items in a bulleted list.
- Use standard HMTL tags for bold and italics.

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My Guitar Shop

Links Home Admin Categories Guitars Basses Drums	Product Manager - List ProductsTo view, edit, or delete a product, select the product.To add a product, select the "Add Product" link.GuitarsFender StratocasterGibson Les PaulGibson SGYamaha FG700SWashburn D10SRodriguez Caballero 11Fender TelecasterCelestial ResonanceLinksAdd Product
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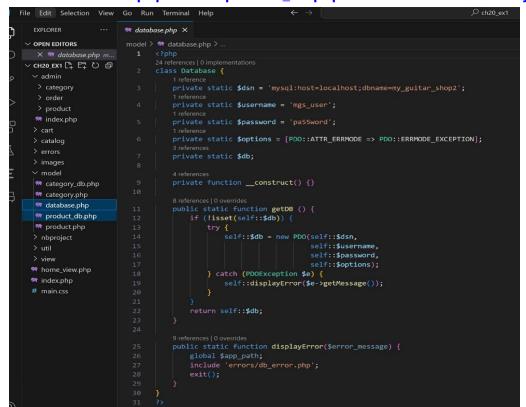
2. Delete a product.

Links Home Admin	Product Man Celestial Res	ager - View Product onance
Categories Guitars Basses Drums	Edit Product	List Price: \$900 Discount: 20% Your Price: \$720.00 (You save \$180.00) Quantity: 1 Add to Cart Description 1.Each fret is meticulously inlaid with mother- of-pearl, depicting constellations that guide your fingers to create music that's nothing short of magical. 2.Finished with a high-gloss, starburst lacquer that shifts and shimmers under stage lights, this guitar is not just an instrument; it's a piece of art.

My Guitar Shop

Links Home Admin	Product Manager - List Products To view, edit, or delete a product, select the product. To add a product, select the "Add Product" link.
Categories	Guitars
Guitars	Fender Stratocaster
Basses	Gibson Les Paul
Drums	Gibson SG
	Yamaha FG700S
	Washburn D10S
	Rodriguez Caballero 11
	Fender Telecaster
	Links
	Add Product

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3. Review database.php file and product_db.php file in the model directory.

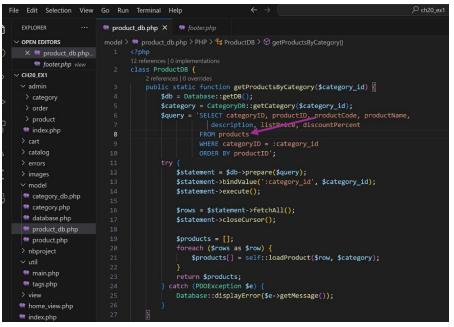
4. Modify the first SELECT statement in the product_db.php file. Change the code "products" table to "product" table. Then test error handing.

File Edit Selection View	Go Run Terr	ninal Help	\leftarrow \rightarrow (
EXPLORER ····	💏 product_db.	ohp × 👒 foo	ter.php			
✓ OPEN EDITORS	model > 🐄 pr	oduct_db.php > I	PHP Intelephense > 😫 ProductDB > 🗘 getProducts	ByCategory		
× 🏘 product_db.php	1 php</td <td></td> <td></td> <td></td>					
🐄 footer.php view		rences 0 impleme				
✓ CH20_EX1 []+ []+ じ ⊡		ProductDB { references 0 over				
∽ admin			<pre>function getProductsByCategory(\$catego</pre>	rv id) {		
> category			abase::getDB();	· · · · · · · ·		
> order		\$category	= CategoryDB::getCategory(\$category_id);		
> product		\$query =	SELECT categoryID, productID, productC	ode, productName,		
m index.php			description, listPrice, discountPer	cent		
> cart	8		FROM product			
1 MERCE			WHERE categoryID = :category_id			
> catalog			ORDER BY productID';			
> errors	11	try {				
> images	12		ement = \$db->prepare(\$query);			
∽ model			ement->bindValue(':category_id', \$categ	ory_1d);		
🗬 category_db.php		\$stat	ement->execute();			
🗬 category.php		\$ POWE	<pre>= \$statement->fetchAll();</pre>			
🗬 database.php	17					
roduct_db.php		<i>pscac</i>				
🗬 product.php		\$prod	ucts = [];			
> nbproject			ch (\$rows as \$row) {			
∽ util		\$	products[] = self::loadProduct(\$row, \$c	ategory);		
	22	1				

Display the error message.

localhost/ex	c_starts/ch	20_ex1/admin/product	/?action=list_products&	category_id=1					
ngewebsite	1510	Gwinnettechcollege	Mail - Rihua Van - O	O Gwinnett Technical	🗀 job	🗀 webdesign resource	🚳 New chat	🔶 Bard	🗅 数字产品
			Му	Guitar Shop					
			A data Error	abase Error abase error occurred. message: SQLSTATE[42S0 Table 'my_guitar_shop2.pro					
								© 2024 My G	uitar Shop, Inc.

5. Fix the SELECT statement back to correctly.



My Guitar Shop

Links	Product Manager - List Products
Home	To view, edit, or delete a product, select the product.
Admin	To add a product, select the "Add Product" link.
Categories	Guitars
Guitars	Fender Stratocaster
Basses	Gibson Les Paul
Drums	Gibson SG
	Yamaha FG700S
	Washburn D10S
	Rodriguez Caballero 11
	Fender Telecaster
	Celestial Resonance
	Links
	Add Product

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Add a Category Manager section.

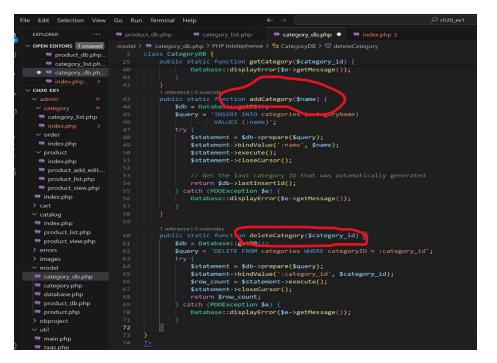
7.Create a Category List.

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		My	Guitar Shop					
		Links	Cate	gory Ma	nager - Category	List		
		Home	Name					
		Admin	1 Guitar	s Delete				
		Cate	gories Basse	6 Delete				
		Guita	rs Drum	Delete				
		Basse	25					
		Drum	s					

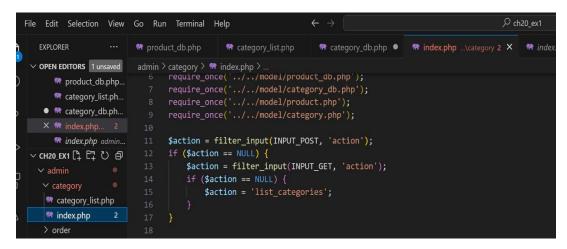
8.Add a category form.

/ex_starts/ch20_ex1/admin/category/					
🗅 1510 🗋 Gwinnettechcollege 🚪 Mail - Rihi	ua Van - O 🗿 Gwinr	ett Technical	🗅 job	🗅 webdesign resource 🌘	S Ne
	My Guitar S	Shop			
	Links	Categ	ory Ma	nager - Category L	ist
	Home	Name			
	Admin	Guitars	Delete		
	Categories	Basses	Delete		
	Guitars	Drums	Delete		
	Basses Drums	Add Cat	tegory		
				Add	

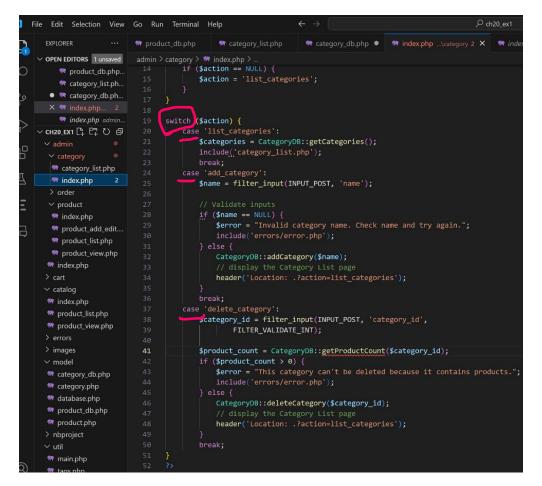
9.Modify category_db.php file.(add and delete categories)



10.Update the index.php file in the admin/category.



11.Code a switch statement.



12.Test application by adding categories.

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	My Guitar Sl	пор					
	Links	Category Ma	nager -	Category	/ List		
	Home	Name	-				
	Admin	Guitars	Delete				
	Categories	Basses	Delete				
	Guitars	Drums	Delete				
	Basses	Acoustic Guitars	Delete				
	Drums	Electric Guitars	Delete				
	Acoustic Guitars	Specialty Guitars	Delete				
	Electric Guitars						
	Specialty Guitars	Add Category					
			Add				

13.Test the application by deleting the categories.

starts/ch20_ex1/admin/category/?action=lis	t_categories						
] 1510 🗅 Gwinnettechcollege 📑 Mail - Ri	hua Van - O O Gwinnet		b 🗅 w	vebdesign resource	🛞 New chat	🔶 Bard	□ 数字产
	Links Home	Category Ma	anagei	r - Category	List		
	Admin	Name Guitars	Delete				
	Categories	Basses	Delete				
	Guitars	Drums	Delete				
	Basses	Acoustic Guitars	Delete				
	Drums Acoustic Guitars	Add Category		1			
			Ad	ld		@ 2024 My C	uitar Shop, Inc.

Use application code to protect referential integrity.

15.Add getProductCount function to the category_db.php file.

> images	1.000							
∽ model		<pre>public static function getProductCount(\$category_id) {</pre>						
	94	<pre>\$db = Database::getDB();</pre>						
🗬 category_db.php	95	<pre>\$query = 'SELECT COUNT(*) AS productCount</pre>						
💏 category.php		FROM products						
🗬 database.php	97	<pre>WHERE categoryID = :category_id';</pre>						
🗬 product_db.php		try {						
💏 product.php	99	<pre>\$statement = \$db->prepare(\$query);</pre>						
	100	<pre>\$statement->bindValue(':category_id', \$category_id);</pre>						
> nbproject	101	<pre>\$statement->execute();</pre>						
∽ util	102	<pre>\$result = \$statement->fetchAll();</pre>						
💏 main.php	103	<pre>\$statement->closeCursor();</pre>						
💏 tags.php	104							
∽ view	105	<pre>\$product_count = \$result[0]['productCount'];</pre>						
💏 footer.php	106	return \$product_count;						
🏘 header.php	107	<pre>} catch (PDOException \$e) {</pre>						
	108	<pre>Database::displayError(\$e->getMessage());</pre>						
🗬 product.php	109							
💏 sidebar_admin.php	110							
🔐 cidabar aba								

16. Modify the delete category cation so it doesn't delete a category if the category contains one or more products.

ch20_ex1/admin/category/index.php							
)	Gwinnettechcollege	Mail - Rihua	Van - O	O Gwinnett Technical	🗅 job	🗅 webdesign resource	
				My Guitar Shop			
				Error			
			This category can't be deleted because it contains products.			ontains products.	