

# Database final project report

## Group Members:

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## Introduction:

**Pikaboo** is a group project with our efforts in trying to develop a baby product selling website using various technologies such as **HTML, CSS, JavaScript, Php and MySQL**. The main objective of this project was to create a user-friendly and efficient website that would cater to the needs of parents looking for baby products online which is powered by proper backend support and database. For the front end part, we have used **HTML** and **CSS** for the website's structure, providing the basic layout and styling and formatting the website, creating an attractive and visually appealing interface for the users. **PHP** was used for server-side scripting, providing dynamic functionality such as user authentication, registration, and cart management. **MySQL** was used for creating and managing the website's database that is responsible for maintaining and modifying the user details such as their login details, phone, address, and product details, and order history. **JavaScript** was used for client-side scripting, to enhance our user interactive application by enabling it with dropdown menus, sliders, and form validation.

In this report, we will discuss each technology's role in the development of Pikaboo and how they were implemented to achieve the project's goals. We will also provide an overview of the project's features, including the website's user interface, admins interface, cart feature, check out feature. Finally, we will discuss how our project has gone through many changes and what are the reasons and inspirations behind the change, and any challenges encountered during the project's development and how they were overcome.

## **Design and Development:**

After doing some research, we have realized that our EER diagram had some fallacies, so we had to disregard it and build up everything from scratch. Unlike before where we assigned each member a role and tried to get it done individually, we have decided to divide all parts of the project aspects equally, we worked on each part together. So that we can all have first hand experience with all the aspects and also more brains to work on a certain problem if we come across anything, this has helped us achieve outcomes that satisfies all of our likings rather than working individually and not liking the outcome of a certain person later. We built up everything from the ground again and got rid of our work that was done before milestone 2.

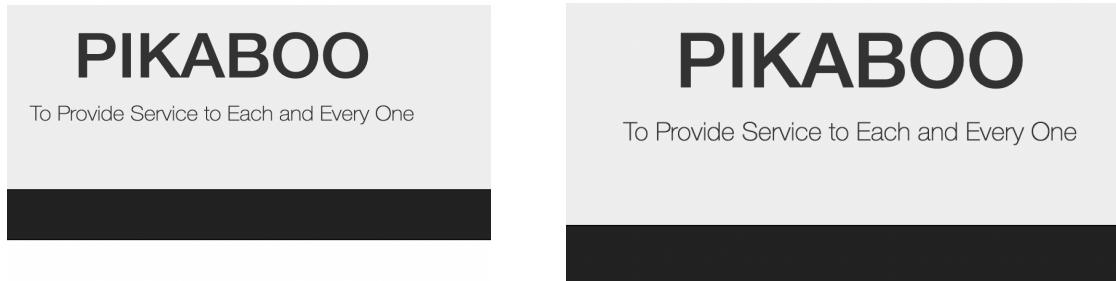
We first started to develop the front end development, we developed the basic home page and login page for the website using HTML and CSS. After that we started working with PHP for back end development for server side processing and database connection, along with this we also created our database named as baby using schema written in MySQL.

```
<?php  
$dbc=mysqli_connect("localhost","root","","baby") or die(mysqli_error());  
?>
```

We made a php file to store the code lines that connect to the database and named it as **mysqli\_connect.php**. We call this file in other php files to access the baby database and update them. Once we have the connection established with the database, we started to build other functionalities we were planning on having for our website that includes adding new categories and products while in admin session and browsing categories, products and add items to cart and place orders. These functionalities will be discussed deeper in the next section.

## Functionalities:

### Login and Register:



The image shows the PIKABOO login and register interface. It consists of two main sections: 'Register User' on the left and 'Login' on the right, both sharing a common header and footer.

**Header:** PIKABOO  
To Provide Service to Each and Every One

**Register User (Left):**

- Full Name:
- Email:
- PASSWORD:
- Re-PASSWORD:
- Phone:
- Address:

[For login Click Here](#)

**Login (Right):**

- USER NAME:
- PASSWORD:

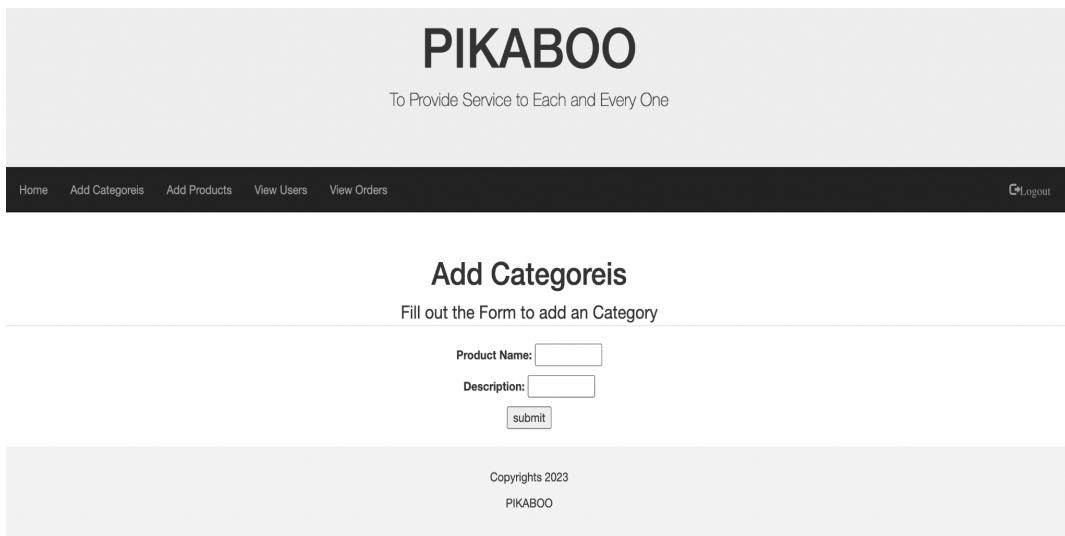
[New Users Can Register Here](#)

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These pages are used to login or register the users or the admin.

## Admin Session:

While we are in the admin session, on the home page we have six total buttons under the header in which two of them are basic, home and logout buttons. The main functionalities that an admin gets are: add category, add product, view users, view orders.



The add category enables the admin to be able to add a new category to the existing categories in the database. The following screenshot displays how the webpage looks like:

```

if($_SERVER['REQUEST_METHOD']=='POST')
{
    $pn=(!empty($_POST['product_name']))
    ? trim($_POST['product_name']):NULL;
    $des=(!empty($_POST['description']))
    ? trim($_POST['description']):NULL;

    // add an category to the database
    require ('mysqli_connect.php');
    $q='insert into Categories(product_name,description)
        values(?,?)';
    $stmt= mysqli_prepare($dbc, $q);
    mysqli_stmt_bind_param($stmt, 'ss',$pn,$des);
    mysqli_stmt_execute($stmt);

    //check the result
    if(mysqli_stmt_affected_rows($stmt)==1)
    {
        echo "<p style='color:green'> The Category has been added successfully ";
        $post=array();
    }
    else
        $error='The new Category could not be added to the database';

    mysqli_stmt_close($stmt);
    mysqli_close($dbc);
}

```

This is how we have implemented the add category functionality in the file **Add\_Category.php**.

We used javascript to take input from the page into variables \$pn and \$des and then connect to the database and insert these into the categories table. We then verify the action by checking the number of rows affected and classify the process as success or failure.

The screenshot shows the PIKABOO website interface. At the top, there's a header with the logo 'PIKABOO' and the tagline 'To Provide Service to Each and Every One'. Below the header, a navigation bar includes links for Home, Add Categories, Add Products, View Users, View Orders, and Logout. The main content area is titled 'Add A product' and contains a sub-instruction 'Fill out the form to add a product to catalog:'. The form itself consists of several input fields: 'Product Name:' with a text input field, 'Image:' with a 'Choose File' button and a note 'No file chosen', 'Category:' with a dropdown menu set to 'Select One', 'price:' with a text input field and a note 'Do not include the dollar sign or comma.', 'Description:' with a large text area, and 'Quantity:' with a text input field. At the bottom of the form is a 'submit' button. A footer at the very bottom of the page displays the copyright notice 'Copyrights 2023 PIKABOO'.

The add product enables the admin to add new products into existing categories by taking in inputs from the admin, it takes the product name, image path, category to put it into, price, description and stock of the product. This is how it looks on the web page:

```
$q='Insert into products(cid,product_name,price,description,quantity,image_name)
|   | values(?, ?, ?, ?, ?, ?)';
$stmt= mysqli_prepare($dbc, $q);
mysqli_stmt_bind_param($stmt, 'isdsis', $a, $pn, $p, $d, $qty, $i);
mysqli_stmt_execute($stmt) or die(mysqli_errno($dbc));
```

This is how we have implemented it after taking inputs and storing them into variables

`$a,$pn,$p,$d,$qty,$i` in the file **AddProducts.php** .

```
if(is_uploaded_file($_FILES['image']['tmp_name']))
{
    // create a temporary file name
    $temp='./uploads/'.md5($_FILES['image']['name']);

    // move the file over

    if(move_uploaded_file($_FILES['image']['tmp_name'], $temp))
    {
        echo '<p style="font-weight:bold;color:green">File has been uploaded</p>';
        // set the $i var name to the images name
        $i=$_FILES['image']['name'];
    }
    else
    {
        $errors[]="The file could not be moved";
        $temp=$_FILES['image']['tmp_name'];
    }
}
else
{
    $errors[]='no file was uploaded';
    $temp=NULL;
}
```

This is how we implemented the image input part and verified if any file is uploaded, we made use of a temporary file and some built in functions to achieve this.

The screenshot shows the PIKABOO application's user management feature. At the top, the PIKABOO logo and tagline "To Provide Service to Each and Every One" are displayed. Below the header is a navigation bar with links: Home, Add Categories, Add Products, View Users, View Orders, and a Logout button. The main content area contains a table titled "Customer ID" listing three users: Karthik, Y, and Koushik, along with their full names, emails, phones, and addresses. In the bottom right corner of the content area, there is a copyright notice: "Copyrights 2023 PIKABOO".

Customer ID	full name	Email	Phone	Address
3	Karthik	ky@gmail.com	813708633	3611 Data Dr
4	Y	y@gmail.com	8137096035	3611 Data Dr
5	Koushik	hy@gmail.com	8137093332	3611

The next feature is view users that displays all the registered users from the database. The following images are how we implemented it in code.

```
$q="select customer_id, fname, email, phone, address from customers order by customer_id;

// create the table head
echo '<div align=center><table border="1" cellspacing="3" cellpadding="3"
    align="center">
<tr>
<td ><b>Customer ID</b></td>
<td ><b>full name</b></td>
<td ><b>Email</b></td>
<td ><b>Phone</b></td>
<td ><b>Address</b></td>
';
// display all the products, linked to URLs
$r= mysqli_query($dbc, $q) or die(mysqli_error($dbc));
while($row= mysqli_fetch_array($r,MYSQLI_ASSOC))
{
    // display each record
    echo "\t<tr>
        <td >$row[customer_id]</td>
        <td >$row[fname] $row[ lname]</td>
        <td >$row[email]</td>
        <td >$row[phone]</td>
        <td >$row[address]</td>
    </tr>\t";
}
// close the table
echo "</table></div>';"
```

```

<td align=\"left\">
    {$row['customer_id']}</td>
<td align=\"left\">
    {$row['fname']}</td>
        <td align=\"left\">
            {$row['email']}</td>
        <td align=\"left\">
            {$row['phone']}</td>
        <td align=\"left\">
            {$row['address']}</td>

</tr>\n ";
}

```

The screenshot shows the PIKABOO website with the following details:

- Header:** PIKABOO, To Provide Service to Each and Every One
- Navigation Bar:** Home, Add Categories, Add Products, View Users, View Orders, Logout
- Table:** Displays order information for four orders.
- Footer:** Copyrights 2023, PIKABOO

Order ID	Customer ID	Total	Order Date	Shipping Address
18	4	324.00	2023-04-28 14:33:01	Data
19	4	216.00	2023-04-28 17:42:41	Data Drive
20	4	534.48	2023-04-28 17:43:38	3611 Data Drive
21	4	2700.00	2023-04-28 19:16:53	4301 Shire ct

The last functionality for this type of session is the view orders. This displays all the orders history and the order details ever put by any user through the website. These details include, order id, user id, order total, shipping address, time and date. The following code is our implementation for this.

```
$q="select order_id, customer_id, total, order_date, shipping_Address from orders order by
order_id";

// create the table head
echo '<div align=center><table border="0" width="90%" cellspacing="3" cellpadding="3"
    align="center">
<tr>
<td align="left" width="20%"><b>Order ID</b></td>
<td align="left" width="20%"><b>Customer ID</b></td>
<td align="left" width="20%"><b>Total</b></td>
<td align="left" width="20%"><b>Order Date</b></td>
<td align="left" width="20%"><b>Shipping Address</b></td>
';
// display all the products, linked to URLs
$r= mysqli_query($dbc, $q) or die(mysqli_error($dbc));
while($row= mysqli_fetch_array($r,MYSQLI_ASSOC))
{
    // display each record

    echo "\t<tr>
        <td align=\"left\">
            {$row['order_id']}
```

## User Session:

To reduce the amount of sql query code to be written we have created two views, browser\_product and browser\_products that retrieves all the products in a category and all the categories and their products in them respectively. This is how we implemented the views.

```
-- Structure for view `browser_product`  
--  
DROP TABLE IF EXISTS `browser_product`;  
  
CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`localhost` SQL SECURITY DEFINER VIEW  
`browser_product` AS SELECT `categories`.`id` AS `id`, `categories`.`product_name` AS  
`cname`, `products`.`product_name` AS `product_name`, `products`.`price` AS `price`,  
`products`.`image_name` AS `image_name`, `products`.`description` AS `description`,  
`products`.`quantity` AS `quantity`, `products`.`pid` AS `pid` FROM (`categories` join  
`products`) WHERE `categories`.`id` = `products`.`cid` ORDER BY  
`categories`.`product_name` ASC, `products`.`product_name` ASC ;  
  
----  
--  
--  
--  
-- Structure for view `browser_products`  
--  
DROP TABLE IF EXISTS `browser_products`;  
  
CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`localhost` SQL SECURITY DEFINER VIEW  
`browser_products` AS SELECT `categories`.`id` AS `id`, `categories`.`product_name`  
AS `cname`, `products`.`product_name` AS `product_name`, `products`.`price` AS  
`price`, `products`.`description` AS `description`, `products`.`quantity` AS  
`quantity`, `products`.`pid` AS `pid` FROM (`categories` join `products`) WHERE  
`categories`.`id` = `products`.`cid` ORDER BY `categories`.`product_name` ASC,  
`products`.`product_name` ASC ;
```

In the user session the user has access to three more functionalities which includes the products and the order items page which provide information about the available products in the website and the order history for the particular user.

# PIKABOO

To Provide Service to Each and Every One

[Home](#) [Products](#) [Order Items](#)

[Cart](#) [Logout](#)

category	Product Name	Description	Price	Quantity
baby bath	bath tub	This tub is easy for parents to make bath for their babies	300	9
baby bath	Summer Bath Tub	This is very a very comfortable bath tub for infants during the summer season.	200	17
Baby Potty	Summer infant Potty	Make potty training easier with the help of this product	44.99	6
Baby Teether	Baby blue teether	This a baby teether	25	0
Carrier	Baby carrier	It is used to carry babies	22	10
Clothes	Baby Dress	This is a beautiful dress for babies	25	20
Clothes	Baby Pajamas	Very comfortable custom designed Pajamas for babies	29.98	35
Craddle	Baby Craddle	This Is a very usefull tool to make Kids sleep	55	15
Strollers	Stroller	Hi	12	12
Toys	Toy Bus	This is a Toy bus which children like	15	30

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# PIKABOO

To Provide Service to Each and Every One

[Home](#) [Products](#) [Order Items](#)

[Cart](#) [Logout](#)

category	Product Name	Description	Price	Quantity
baby bath	bath tub	This tub is easy for parents to make bath for their babies	300	9
baby bath	Summer Bath Tub	This is very a very comfortable bath tub for infants during the summer season.	200	17

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This product functionality is implemented in the **view\_product.php**. The following code is how we have implemented this function:

```
require 'mysqli_connect.php';
// connect to database
//GET The product info.
$q="select * from browser_product where pid = $pid";
```

This is the core of our code for this function. The full implementation is too long to be put in this file.

# PIKABOO

To Provide Service to Each and Every One

[Home](#) [Products](#) [Order Items](#)

 [Cart](#)  [Logout](#)

Order ID	Customer ID	Total	Order Date	Shipping Address
18	4	324.00	2023-04-28 14:33:01	Data
19	4	216.00	2023-04-28 17:42:41	Data Drive
20	4	534.48	2023-04-28 17:43:38	3611 Data Drive
21	4	2700.00	2023-04-28 19:16:53	4301 Shire ct

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This order items functionality is implemented in the file **order\_list1.php**. This prints a table

with information about all the orders placed by that user. The code looks as follows:

```
require 'mysqli_connect.php';
$r=mysqli_query($dbc,"select customer_id from customers where email='".$email"") or
die(mysql_errno($dbc));
$row=mysqli_fetch_array($r,MYSQLI_NUM);
$cid=$row[0];
// default query for this page
$q="select order_id, customer_id, total, order_date, shipping_Address from orders where
customer_id=$cid order by order_id";
```

This is the major part in the implementation and after this we use a while loop to print out all

the data.

# PIKABOO

To Provide Service to Each and Every One

[Home](#) [Products](#) [Order Items](#)

[Cart](#) [Logout](#)

## Category

baby bath  
Baby Potty

## Product Name

bath tub  
Summer infant Potty

## Price

\$300  
\$44.99

## Qty

1	\$300.00
1	\$44.99
Tax:\$27.5992	
Total: \$372.59	

[update my cart](#)

Enter an quantity of 0 to remove an item

[CheckOut](#)

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PIKABOO

The final functionality that you get in users sessions is the cart function, which displays the users cart. Adding a new item checks if the cart already has it and then it increases the quantity count in it, this page also has the option to update the cart using which you can change the quantity. If you set the quantity to 0, it drops the item and if you set the quantity to something higher than the available stock then it prints out an error message mentioning the actual remaining stock and sets the quantity to the current stock. This is implemented using two php files unlike all the other functionalities, **add\_cart** and **view\_cart** php files. The checkout button takes it to the checkout page that asks for the shipping address and then places the order, this checkout feature is implemented in the **checkout.php** .

# PIKABOO

To Provide Service to Each and Every One

[Home](#) [Products](#) [Order Items](#)

[Cart](#)  [Logout](#)

Enter shipping Address:

Copyrights 2023

PIKABOO

## Database Design:

Our database is designed for an online store that sells various baby products and accessories.

We are using a PHPMyAdmin SQL database named "baby". It includes the database schema and the data. Here is a overview of our database design:

There are six tables in our database: "categories", "customers", "orders", "order\_contents", "products", and two stand-in tables "browser\_product" and "browser\_products".

The "categories" table contains information about different categories of products that are sold, including the category name, ID, and a description of the category.

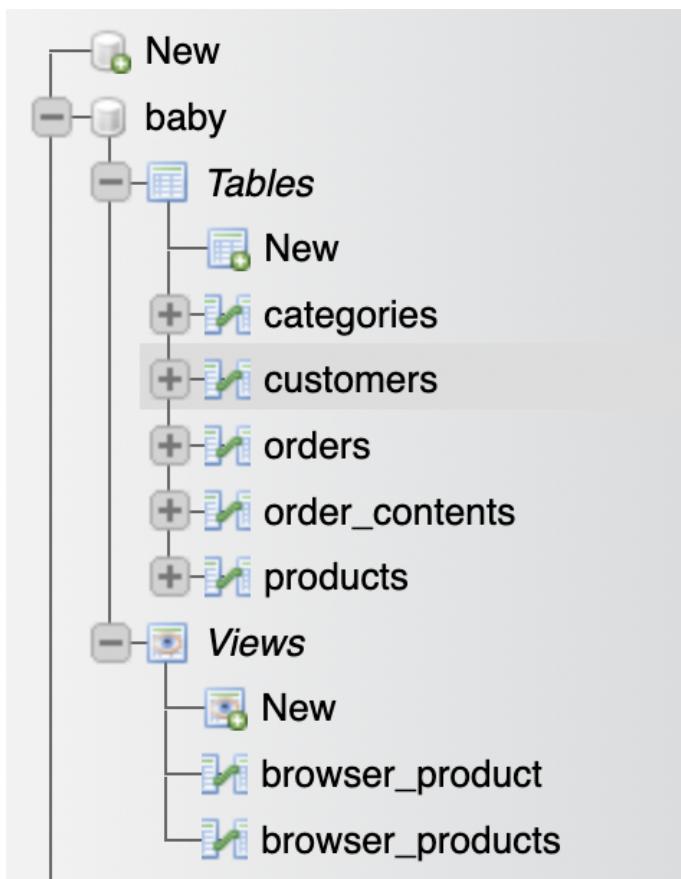
The "customers" table contains information about customers who have registered on the website, including their ID, name, email, password, phone number, and address.

The "orders" table contains information about orders placed by customers, including the order ID, the ID of the customer who placed the order, the total cost of the order, the date of the order, and the shipping address.

The "order\_contents" table contains information about the products that were included in each order, including the order content ID, the order ID, the product ID, the quantity of the product, the price of the product, and the shipping date.

The "products" table contains information about the individual products that are sold, including the product ID, the category ID, the product name, the price, the description, the image name, and the quantity in stock.

## Tables:



## Category:

phpMyAdmin

Server: localhost » Database: baby » Table: categories

Browse Structure SQL Search Insert Export Import Privileges Open

Showing rows 0 - 7 (8 total, Query took 0.0005 seconds.)

SELECT \* FROM `categories`

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Extra options

		id	product_name	description
<input type="checkbox"/>	<input type="checkbox"/> Edit	1	baby bath	it is useful to give bath to babies
<input type="checkbox"/>	<input type="checkbox"/> Edit	2	Strollers	Used to carry babies
<input type="checkbox"/>	<input type="checkbox"/> Edit	3	Clothes	Baby clothes
<input type="checkbox"/>	<input type="checkbox"/> Edit	4	Carrier	Baby carrier
<input type="checkbox"/>	<input type="checkbox"/> Edit	5	Toys	Baby toys
<input type="checkbox"/>	<input type="checkbox"/> Edit	6	Craddle	A swing for Babies
<input type="checkbox"/>	<input type="checkbox"/> Edit	7	Baby Potty	Small potty for Kids and Babies
<input type="checkbox"/>	<input type="checkbox"/> Edit	8	Baby Teether	Teether for a baby

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Console Let every user access this bookmark

localhost/phpmyadmin/index.php

## Customers:-

The screenshot shows the phpMyAdmin interface for the 'customers' table. The left sidebar shows a tree view of the database structure under the 'New' schema. The 'Tables' section contains 'categories', 'customers', 'orders', 'order\_contents', and 'products'. The 'Views' section contains 'New', 'browser\_product', and 'browser\_products'. The main panel displays the results of the SQL query: 'SELECT \* FROM `customers`'. The results table has columns: customer\_id, fname, email, pass, phone, and address. Three rows are listed:

customer_id	fname	email	pass	phone	address
3	Karthik	ky@gmail.com	12345	813708633	3611 Data Dr
4	Y	y@gmail.com	12345	8137096035	3611 Data Dr
5	Koushik	hy@gmail.com	12345	8137093332	3611

Below the table are 'Extra options' like Edit, Copy, Delete, and 'With selected' checkboxes. There are also buttons for Print, Copy to clipboard, Export, Display chart, and Create view. A 'Query results operations' section includes links for Bookmark this SQL query, Print, Copy to clipboard, Export, Display chart, and Create view.

## Orders:

The screenshot shows the phpMyAdmin interface for the 'orders' table. The left sidebar shows the same database structure as the previous screenshot. The 'Tables' section contains 'categories', 'customers', 'orders', 'order\_contents', and 'products'. The 'Views' section contains 'New', 'browser\_product', and 'browser\_products'. The main panel displays the results of the SQL query: 'SELECT \* FROM `orders`'. The results table has columns: order\_id, customer\_id, total, order\_date, and Shipping\_Address. Four rows are listed:

order_id	customer_id	total	order_date	Shipping_Address
18	4	324.00	2023-04-28 14:33:01	Data
19	4	216.00	2023-04-28 17:42:41	Data Drive
20	4	534.48	2023-04-28 17:43:38	3611 Data Drive
21	4	2700.00	2023-04-28 19:16:53	4301 Shire ct

Below the table are 'Extra options' like Edit, Copy, Delete, and 'With selected' checkboxes. There are also buttons for Print, Copy to clipboard, Export, Display chart, and Create view. A 'Query results operations' section includes links for Bookmark this SQL query, Print, Copy to clipboard, Export, Display chart, and Create view.

## Order\_contents:-

The screenshot shows the MySQL Workbench interface with the 'order\_contents' table selected. The left sidebar shows the database structure under the 'New' schema. The main pane displays the table data with the following columns: oc\_id, order\_id, pid, quantity, price, and ship\_date. There are five rows of data.

	oc_id	order_id	pid	quantity	price	ship_date
<input type="checkbox"/>	2	18	1	1	300.00	NULL
<input type="checkbox"/>	3	19	7	1	200.00	NULL
<input type="checkbox"/>	4	20	8	11	44.99	NULL
<input type="checkbox"/>	5	21	10	100	25.00	NULL

## Products:

The screenshot shows the MySQL Workbench interface with the 'products' table selected. The left sidebar shows the database structure under the 'New' schema. The main pane displays the table data with the following columns: pid, cid, product\_name, price, description, image\_name, and quantity. There are ten rows of data.

	pid	cid	product_name	price	description	image_name	quantity
<input type="checkbox"/>	1	1	bath tub	300	This tub is easy for parents to make bath for their babies	BabyBath.jpg	9
<input type="checkbox"/>	2	2	Stroller	12	Hi	stroller_image.jpg	12
<input type="checkbox"/>	3	3	Baby Dress	25	This is a beautiful dress for babies	babycloths.jpg	20
<input type="checkbox"/>	4	4	Baby carrier	22	It is used to carry babies	carriers.webp	10
<input type="checkbox"/>	5	5	Toy Bus	15	This is a Toy bus which children like	toys.webp	30
<input type="checkbox"/>	6	6	Baby Cradle	55	This is a very useful tool to make Kids sleep	baby_cradle.webp	15
<input type="checkbox"/>	7	1	Summer Bath Tub	200	This is a very comfortable bath tub for infants	Bath_tub.jpeg	17
<input type="checkbox"/>	8	7	Summer infant Potty	44.99	Make potty training easier with the help of this product	potty.jpeg	6
<input type="checkbox"/>	9	3	Baby Pajamas	29.98	Very comfortable custom designed Pajamas for babies	baby pajamas.jpeg	35
<input type="checkbox"/>	10	8	Baby blue teether	25	This is a baby teether	teethers.jpg	0

## Views:

## 1. browser\_product

New  
baby

**Tables**

- New
- categories
- customers
- orders
- order\_contents
- products

**Views**

- New
- browser\_product
- browser\_products

Dong

information\_schema

mysql

performance\_schema

phpmyadmin

test

Showing rows 0 - 9 (10 total, Query took 0.0007 seconds.)

```
SELECT * FROM `browser_product`
```

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25 Filter rows: Search this table

Extra options

	<input type="checkbox"/>	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	<b>id</b>	<b>cname</b>	<b>product_name</b>	<b>price</b>	<b>image_name</b>	<b>description</b>	<b>quantity</b>	<b>pid</b>
	<input type="checkbox"/>	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	1	baby bath	bath tub	300	BabyBath.jpg	This tub is easy for parents to make bath for thei...	9	1
	<input type="checkbox"/>	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	1	baby bath	Summer Bath Tub	200	Bath_tub.jpeg	This is very very comfortable bath tub for infant...	17	7
	<input type="checkbox"/>	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	7	Baby Potty	Summer infant Potty	44.99	potty.jpeg	Make potty training easier with the help of this p...	6	8
	<input type="checkbox"/>	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	8	Baby Teether	Baby blue teether	25	teethers.jpg	This a baby teether	0	10
	<input type="checkbox"/>	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	4	Carrier	Baby carrier	22	carriers.webp	It is used to carry babies	10	4
	<input type="checkbox"/>	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	3	Clothes	Baby Dress	25	babycloths.jpg	This is a beautiful dress for babies	20	3
	<input type="checkbox"/>	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	3	Clothes	Baby Pajamas	29.98	baby pajamas.jpeg	Very comfortable custom designed Pajamas for babie...	35	9
	<input type="checkbox"/>	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	6	Craddle	Baby Craddle	55	baby_cradle.webp	This Is a very useful tool to make Kids sleep	15	6
	<input type="checkbox"/>	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	2	Strollers	Stroller	12	stroller_image.jpg	Hi	12	2
	<input type="checkbox"/>	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	5	Toys	Toy Bus	15	toys.webp	This is a Toy bus which children like	30	5

Check all With selected:  Edit  Copy  Delete  Export

Show all | Number of rows: 25 Filter rows: Search this table

## 2. browser\_products

New  
baby

Tables  
New  
categories  
customers  
orders  
orders  
order\_contents  
products

Views  
New  
browser\_product  
browser\_products

Dong

information\_schema

mysql

performance\_schema

phpmyadmin

test

Showing rows 0 - 9 (10 total, Query took 0.0003 seconds.)

```
SELECT * FROM `browser_products`
```

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25 Filter rows: Search this table

Extra options

	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	<a href="#">id</a>	<a href="#">cname</a>	<a href="#">product_name</a>	<a href="#">price</a>	<a href="#">description</a>	<a href="#">quantity</a>	<a href="#">pid</a>
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	1	baby bath	bath tub	300	This tub is easy for parents to make bath for their...	9	1
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	1	baby bath	Summer Bath Tub	200	This is very a very comfortable bath tub for infant...	17	7
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	7	Baby Potty	Summer infant Potty	44.99	Make potty training easier with the help of this p...	6	8
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	8	Baby Teether	Baby blue teether	25	This a baby teether	0	10
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	4	Carrier	Baby carrier	22	It is used to carry babies	10	4
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	3	Clothes	Baby Dress	25	This is a beautiful dress for babies	20	3
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	3	Clothes	Baby Pajamas	29.98	Very comfortable custom designed Pajamas for babie...	35	9
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	6	Cradle	Baby Cradle	55	This Is a very useful tool to make Kids sleep	15	6
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	2	Strollers	Stroller	12	Hi	12	2
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	5	Toys	Toy Bus	15	This is a Toy bus which children like	30	5

[Check all](#) With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

## Query's:

These are all the query's in our project.

```
$q="select price from products where pid=$pid";  
  
$q=$pid;  
  
$q='insert into Categories(product_name,description)  
  
$q='Insert into products(cid,product_name,price,description,quantity,image_name)  
  
$q="select id, product_name from categories order by product_name asc";  
  
$q="select * from browser_products";  
  
$q = "select * from browser_products where id ={$_GET['aid']}";  
  
$q="select * from browser_products";  
  
$q="insert into orders(customer_id,total,shipping_Address) values ($cid,$total,'$address')";  
  
$q="insert into order_contents(order_id,pid,quantity,price)  
  
$q="select * from customers where email=\"$email.\" and pass=\"$password.\"";  
  
$q="select order_id,customer_id,total,order_date,shipping_Address from orders order by  
order_id";  
  
$q="select order_id,customer_id,total,order_date,shipping_Address from orders where  
customer_id=$cid order by order_id";  
  
$q="select * from customers where email=\"$email.\"";  
  
$q="insert into customers(fname,email,pass,phone,address)  
values('$fname','$email','$password','$phone','$address')";  
  
$q="select customer_id,fname,email,phone,address from customers order by customer_id";  
  
$q="select pid,cname, product_name,quantity from browser_products where pid in(";
```

```
$q="select * from browser_product where pid = $pid";
```

## **Relations:**

The products table has a foreign key cid that references the id field of the categories table.

The order\_contents table has a foreign key order\_id that references the order\_id field of the orders table, and a foreign key pid that references the pid field of the products table.

The orders table has a foreign key customer\_id that references the customer\_id field of the customers table.

The browser\_product and browser\_products tables are stand-in structures for views and do not have any explicit foreign keys.

## **Conclusion:**

To summarize, Pikaboo is a platform that sells baby products and that we created using a variety of technologies including HTML, CSS, JavaScript, PHP, and MySQL. We have designed it to be user-friendly and efficient, allowing parents to purchase baby products with ease while utilizing a robust backend support system and database.

During the development process, we faced several challenges such as a flawed EER diagram that required us to rebuild everything from the beginning, as well as changing our approach to working collaboratively on all aspects of the project. However, we were able to overcome these obstacles through teamwork and persistence, resulting in a fully functional website.

Pikaboo offers several features such as user registration, categories, cart management, checkout, and admin functionalities that allow the management of categories, products, viewing users, and orders. Each of these features was implemented using various technologies and techniques such as HTML, CSS, and JavaScript for client-side scripting, PHP for server-side scripting, and MySQL for database management.

Overall, the Pikaboo project was an enriching experience for us, providing us with valuable practical knowledge in web development, teamwork, problem-solving, and communication. We anticipate that the website will be beneficial to parents seeking baby products and accessories online as it will continue to evolve and improve the database and website in the future with more functionalities.