Chef Oink

Introduction

Welcome to "Chef Oink," a website created specifically for a Maltese childcare centre where I've previously worked. This website aims to transform the way parents and guardians provide healthy meals for their children. At the core of Chef Oink's mission is the commitment to simplify the process of obtaining nutritious savoury and dessert items for kids.

The genesis of this website is rooted in the challenges faced by parents who, in the past, could only place orders through an online application process at the childcare centre. Chef Oink steps in to streamline and enhance the ordering process, ensuring that children receive nourishing and delectable meals without the usual stress.

The website is a user-friendly space offering a variety of wholesome meals, addressing past challenges faced by parents during the ordering process. It goes beyond being just a meal provider; Chef Oink is a partner in creating delightful moments around food. Join us on this culinary journey where convenience meets excellence, redefining the joy of mealtime for you and your children.

Database

In setting up the database for the project, I opted for phpMyAdmin, even though it's my first time using it. I chose it because it's known for being user-friendly and compatible with PHP. as well that's what I learned in school, and there's a lot of helpful information online if I ever get stuck. Despite being new to it, I found phpMyAdmin to be a helpful tool in making the database setup process accessible and manageable for the web application.Surprisingly, navigating through phpMyAdmin for the first time proved to be a positive experience, as it significantly eased the database setup process, making it accessible and manageable for my web application.

I made the database for my project to make my website better. In the database, I set up different tables to keep things organized, like users, shipping details, products, and orders. This way, all the important information for my e-commerce site is easy to find. By using PHP, this structure helps improve how my website works and makes it better for users.

TABLES AND THEIR ROLES:

In developing the PHP-based website, I created a set of essential database tables, each playing a crucial role in enhancing the functionality of our platform.

- Address Table (address): This table ensures accurate order deliveries by storing user addresses. It plays a key role in facilitating seamless communication between users and our system.
- Admin Login Table (adminlogin): Responsible for securing administrative access, this table stores login credentials. It ensures that only authorized personnel can manage crucial system settings.
- Admins Table (admins): Complementing the login table, it provides detailed profiles for administrators. This aids in user management, fostering effective communication and accountability within the administrative team.
- Basket Table (basket): Vital for our e-commerce functionality, this table manages temporary data related to items in a user's shopping basket. Users can add products without immediate commitment to purchase.
- Cart Table (cart): Crucial for finalizing purchases, this table manages data related to items in a user's shopping cart. It represents a user's committed selection of products for purchase.

Relation

The relation in the database serve a simple yet crucial purpose: they connect related information across different tables. For example, the `user_id` links users to their orders, carts, baskets, and favourites, ensuring accurate user-related data. Similarly, the `product_id` connects products to order details, carts, baskets, and favorites, creating a unified view of product interactions. The `order_id` links payments and shipping entries to specific orders, ensuring that these details align with the corresponding orders. These relationships simplify data management, making it easier to retrieve and update information while maintaining consistency in the overall database structure.

Virtual server

MAMP has been my go-to for local servers, bundling MySQL, PHP, and phpMyAdmin seamlessly. Its simplicity streamlines setup, letting me focus on coding instead of complex configurations. Perfect for PHP-based web apps and efficient database management, MAMP ensures a straightforward user experience. With its user-friendly interface and a simple "Start" button, it's incredibly easy to use. Recommended by my lecturer and being free make MAMP an accessible and straightforward solution for local server needs.

Virtual server

1. Install XAMPP:
   - Download and install XAMPP/Mamp from the official website based on your device(windows or mac)

2. Start Services:
   - Launch the XAMPP/Mamp Control Panel and MySQL.

3. Create Database:
   - Use phpMyAdmin (http://localhost/phpmyadmin) to create a database, mimicking your live setup.

4. Set Up Files:
   - Place your web app files in "htdocs" inside XAMPP.

5. Test and Debug
   - Access your local server at http://localhost/ and thoroughly test your app.

Languages

In the development of my web application, I used a combination of HTML, JavaScript, PHP, CSS, and Bootstrap. HTML served as the fundamental language, defining the structure and elements of my web pages. JavaScript played a crucial role in adding interactivity, enabling dynamic content updates and enhancing user engagement such as delete button function. PHP language stored the database of the website and user.

CSS was used in styling and layout, ensuring a visually appealing and consistent presentation of HTML elements. The integration of Bootstrap further streamlined the development process by providing a collection of pre-designed components and styles, allowing for the creation of a responsive and cohesive user interface such as buttons and cards.

This languages all together allowed me to build a dynamic web application that not only presented content effectively but also responded to user actions seamlessly. The combination of server-side processing with PHP and client-side interactivity through JavaScript contributed to a robust and user-friendly application, while CSS and Bootstrap ensured a visually polished and responsive design across various devices.

Test Case 1: Adding Product
1. Given a logged-in customer with an empty cart.
2. When adding a product to the cart.
3. Then the product should be successfully added.

Test Case 2: Viewing Cart
1. Given a logged-in customer with items in the cart.
2. When viewing the cart.
3. Then see a list of products with quantities and prices.

Test Case 3: Removing Product
1. Given a logged-in customer with items in the cart.
2. When removing a product from the cart.
3. Then the product should be successfully removed.

Test Case 4: Updating Quantity
1. Given a logged-in customer with items in the cart.
2. When updating the quantity of a product.
3. Then the quantity should be successfully updated.

Test Case 5: Checking Out
1. Given a logged-in customer with items in the cart.
2. When proceeding to checkout.
3. Then directed to the checkout page with an order summary.

Test Case 6: Placing Order
1. Given a logged-in customer on the checkout page.
2. When confirming and placing the order.
3. Then generate an order confirmation and update the order status.

Test Case 7: Guest User Checkout
1. Given a guest user adding products to the cart.
2. When proceeding to checkout.
3. Then prompted to log in or create an account.

Test Case 8: Empty Cart Warning
1. Given a logged-in customer with an empty cart.
2. When trying to proceed to checkout.
3. Then display a warning to add products before checking out.

Test Case 9: Invalid Quantity Input
1. Given a logged-in customer with items in the cart.
2. When updating the quantity with invalid input.
3. Then reject the input and display an error.

Test Case 10: User Authentication
1. Given a user trying to access cart or checkout.
2. When not logged in.
3. Then redirect to the login page with a login prompt.

Brand Style Sheet

MAIN LOGO

SUB MARK

Chef Oink

COLOURS

C0 M0 Y0 K0
R000 G000 B000
#3275A9

C0 M0 Y0 K0
R000 G000 B000
#FF914D

C0 M0 Y0 K0
R000 G000 B000
#F5F0E6

FONTS

Raleway
abcdefghijklmnopqrstuvwxyz
ABCDEFGHIJKLMNOPQRSTUVWXYZ
1234567890

Anonymous pro
abcdefghijklmnopqrstuvwxyz
ABCDEFGHIJKLMNOPQRSTUVWXYZ
1234567890