



**TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES
MANILA CAMPUS**

*College of Computer Studies
Bachelor of Science in Information Technology*

CIT 403-IT42S3 - Systems Integration and Architecture 2

FINAL PROJECT

Submitted By:

Abo, Kyonno Dayne
Antonio, Mhar Lewis
Ugot, Vhince Christian

Submitted To:

Mr. Mar Eli Sagsagat

Date:

May 16, 2023

INTRODUCTION

Online Pizza Ordering System. It is a web-based application developed in PHP and MYSQL databases. The main purpose of this project is to provide Pizza Businesses with an online platform for their customer to order desired menus or pizzas that are available in their shop. It has a simple and pleasant user interface with the help of Bootstrap Framework for the designs. The application consists of multiple user-friendly features and functionalities.

Testing is crucial for an application to meet its indeed purpose and established standards. Our website has undergone different types of testing such as unit testing, integration testing, system testing, acceptance testing, performance testing, and usability testing.

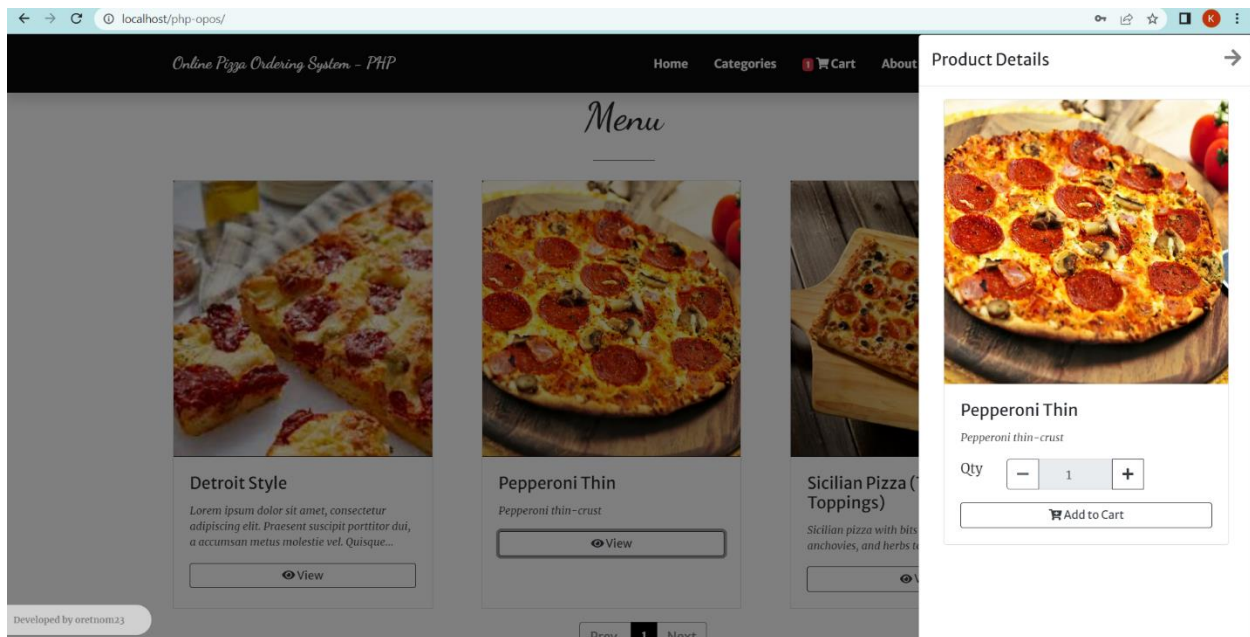
TOOL USED

Loadfocus

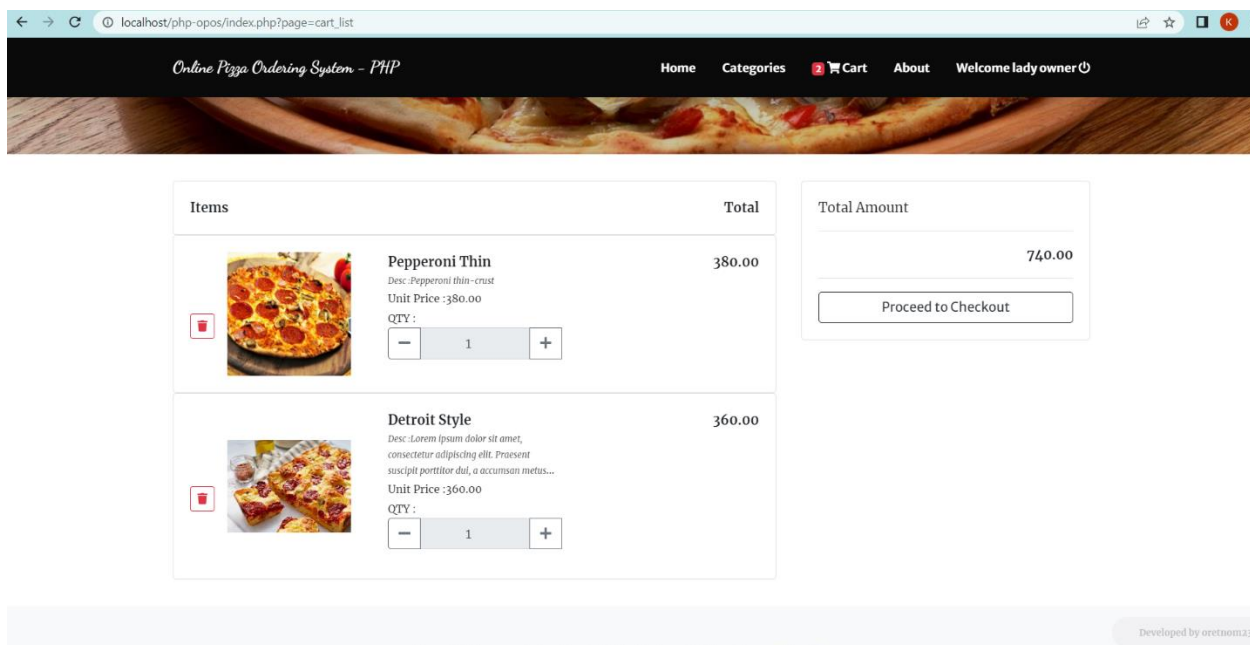
Loadfocus is a cloud-based platform that provides comprehensive testing solutions for various aspects of an organization's web presence, such as websites, mobile and web applications, web services, and APIs. It enables users to conduct load testing to evaluate the performance and capacity of their websites and applications when subjected to high user traffic.

Loadfocus offers the ability to measure website load times and provides tips on how to improve speed. It also offers regular functional and automated regression tests to identify potential issues beforehand. The Mobile Emulation feature allows users to view web pages on mobile emulators and identify problems such as missing images or incorrect CSS quickly. This testing tool is an excellent option for those seeking a low-cost, high-performance testing solution.

UNIT TESTING

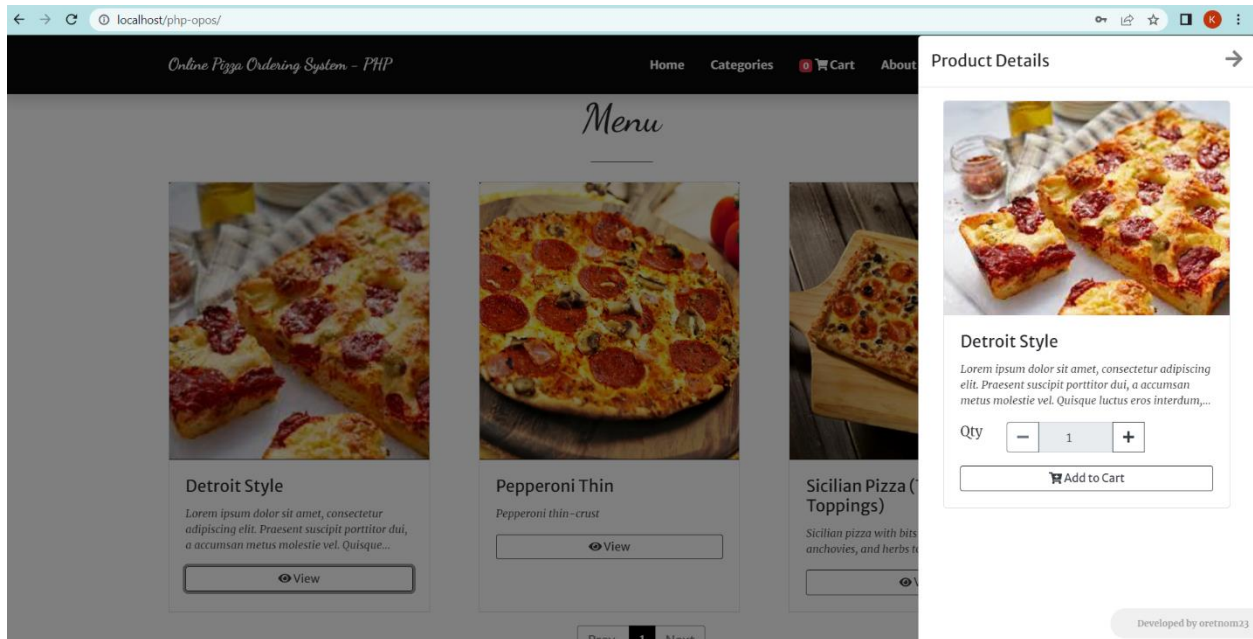


This is the Dashboard of the website wherein the customer can view the menu that is available pizza and it can view the details of the pizza and the customer can place their order also it has option if the customer wants to add quantity on their placed order pizza and the customer can able to add to cart. After conducting the test it is successfully added to the customers cart.

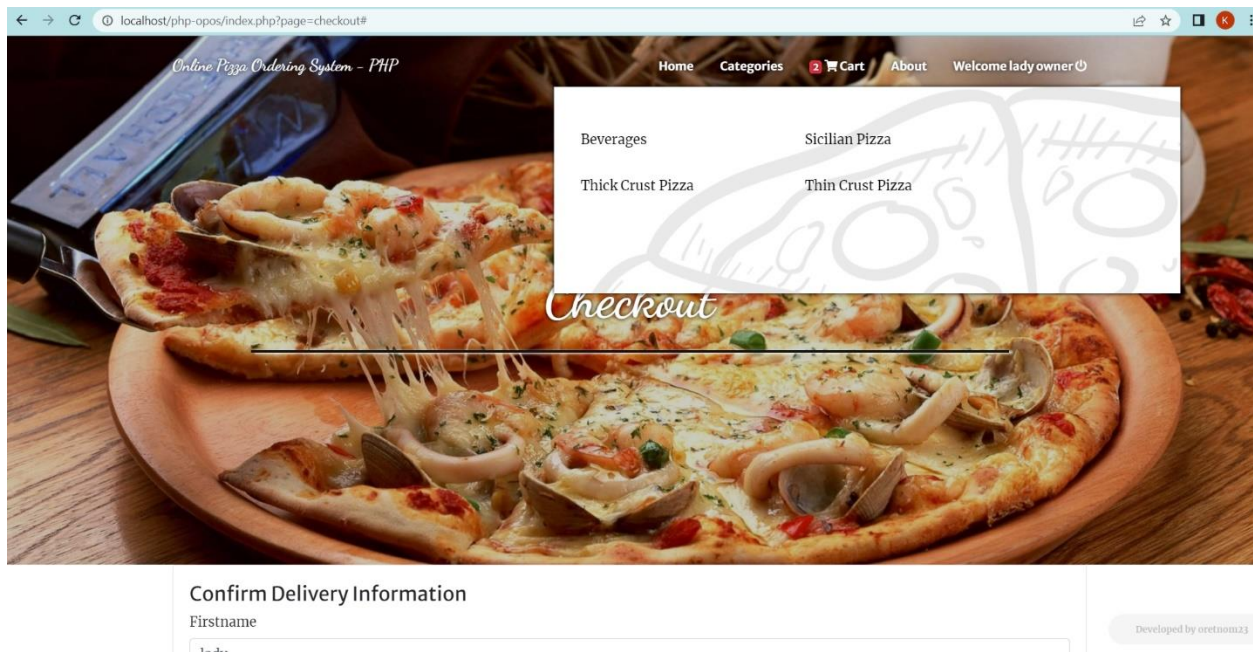


This is the cart wherein the customer can process to checkout on their chosen items also it has a option wherein the customer can add their quantity. After conducting the test it is successfully added the chosen items of the customer and it also shows the total per items.

INTEGRATION TESTING



After conducting the test it shows that it successfully add the chosen item of the customer on their cart.



localhost/php-opos/index.php?page=checkout

Online Pizza Ordering System - PHP

Home Categories **2** Cart About Welcome lady owner

Confirm Delivery Information

Firstname
lady

Email
owner

Contact
0999111234

Address
Block 15 Lot 2 Amaris Dasmarinas Cavite City

Email
orderpizza090@hotmail.com

Place Order



Developed by aretnom23

In this checkout page it shows the items that the customer has been chosen and before the customer purchase their order theirs a confirmation that they will fill up first to ensure that this is belongs to that customer.

localhost/php-opos/index.php?page=cart_list

Online Pizza Ordering System - PHP

Home Categories **2** Cart About Welcome lady owner

Items	Total
 <p>Pepperoni Thin Desc :Pepperoni thin-crust Unit Price :380.00 QTY : - 1 +</p>	380.00
 <p>Detroit Style Desc :Lorem ipsum dolor sit amet, consectetur adipiscing elit. Praesent suscipit porttitor dui, a accumsan metus... Unit Price :360.00 QTY : - 1 +</p>	360.00

Total Amount



740.00

Proceed to Checkout

Developed by aretnom23

← → ↻ localhost/php-opos/index.php?page=checkout

Online Pizza Ordering System - PHP

Home Categories  Cart About Welcome lady owner 

Confirm Delivery Information

Order successfully Placed.

Firstname
lady

Email
owner

Contact
0999111234

Address
Block 15 Lot 2 Amaris Dasmarinas Cavite City

Email
orderpizza090@hotmail.com

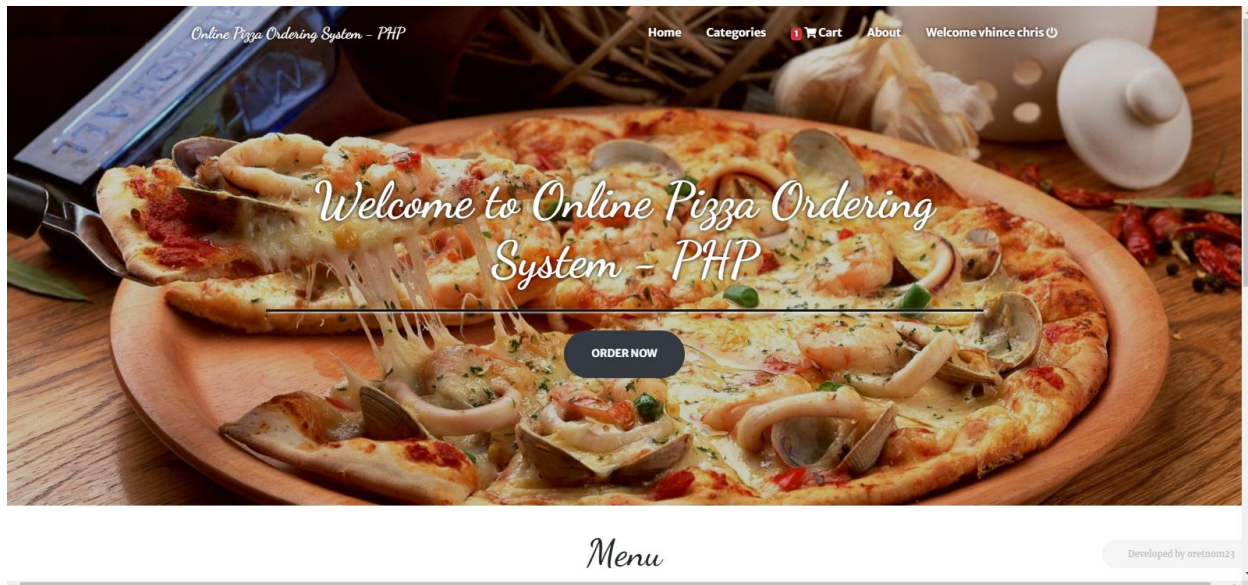
Place Order

Copyright © 2023 - Online Pizza Ordering System - PHP | oretnom23@gmail.com

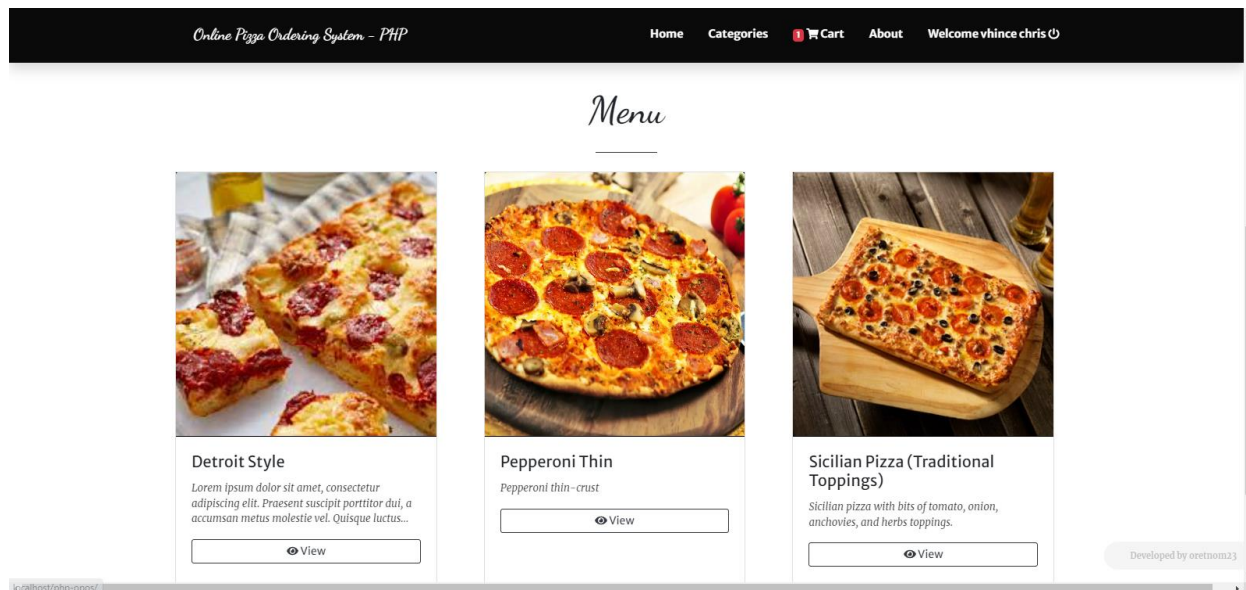
Developed by oretnom23

This is the checkout page wherein the customer can view their chosen items and their total amount of their purchase. After conducting the testing it was successful that the customer has been placed their order.

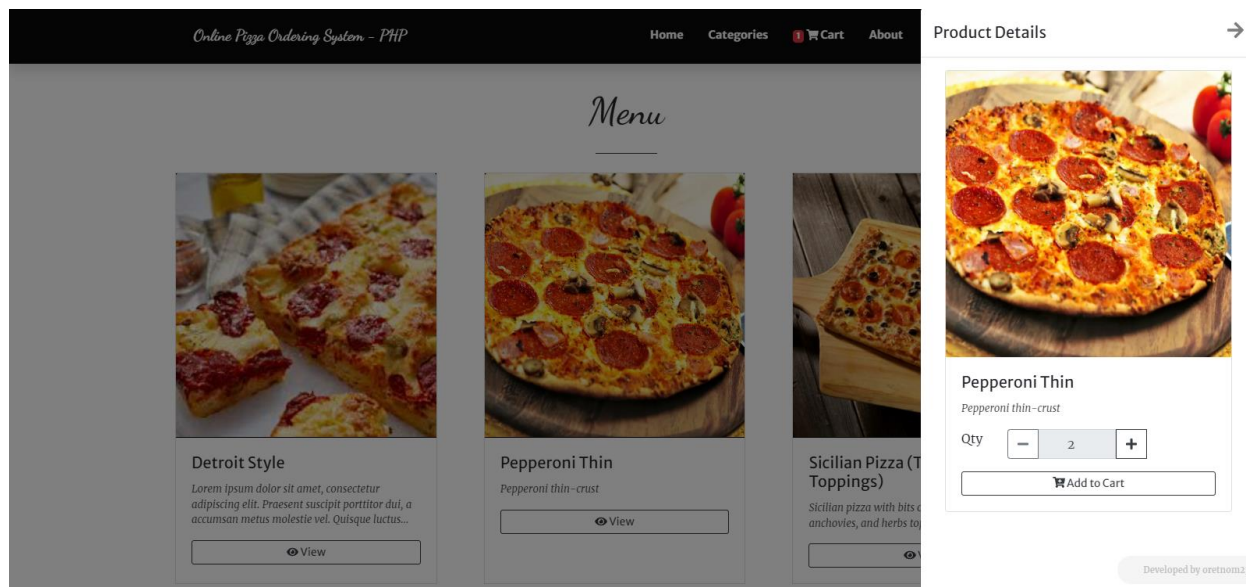
SYSTEM TESTING



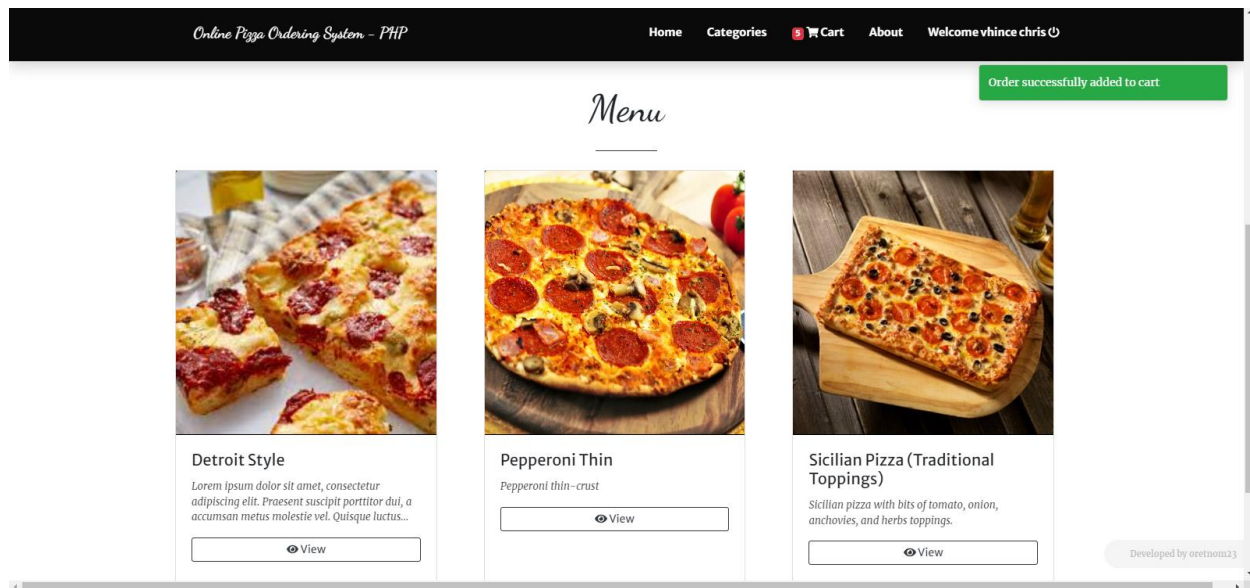
This is the homepage of the pizza website, the customer can the button “Order Now” to process to the Menu page. And at the upper right there is a navigation that contains home, categories, cart, about, and the login button.



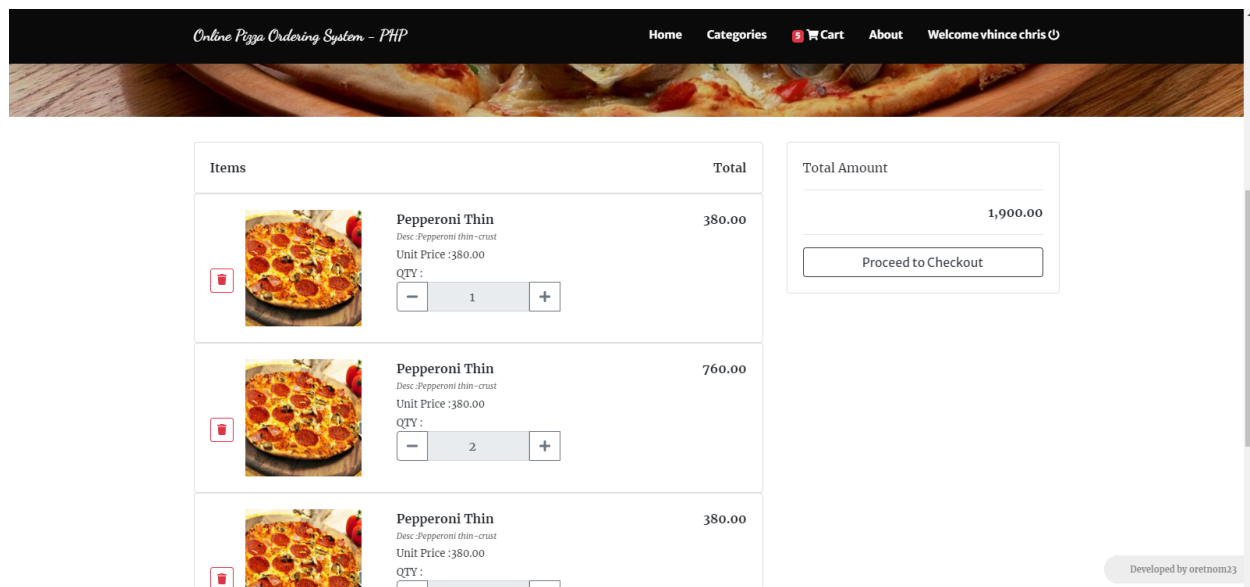
After clicking the “Order Now” button the customer will be redirect to the menu page wherein the customer can choose on their desired items.



After the customer chose their desired items theirs a hover wherein it shows the product details, the customer add the quantity of the chosen item and theres a button to Add on their cart.



After clicking the “Add to cart” button their a message box on the upper right that says the order was successfully added on their cart.



This is the Cart wherein the customer can view their items that they added to their cart also there is a button to proceed on the checkout page.

Online Pizza Ordering System - PHP
Home
Categories
5 Cart
About
Welcome vhince chris

Confirm Delivery Information

Firstname

vhince

Email

chris

Contact

209502950

Address

manila

Email

vhchris@gmail.com

Place Order

Developed by aretnom23

Before the customer place their order theirs a confirmation first for their delivery information to make sure that the order is came from the customer they need to input the required details in order to confirm their order.

Online Pizza Ordering System - PHP
Home
Categories
5 Cart
About
Welcome vhince chris

Confirm Delivery Information

Firstname

vhince

Email

chris

Contact

209502950

Address

manila

Email

vhchris@gmail.com

Place Order

Order successfully Placed.

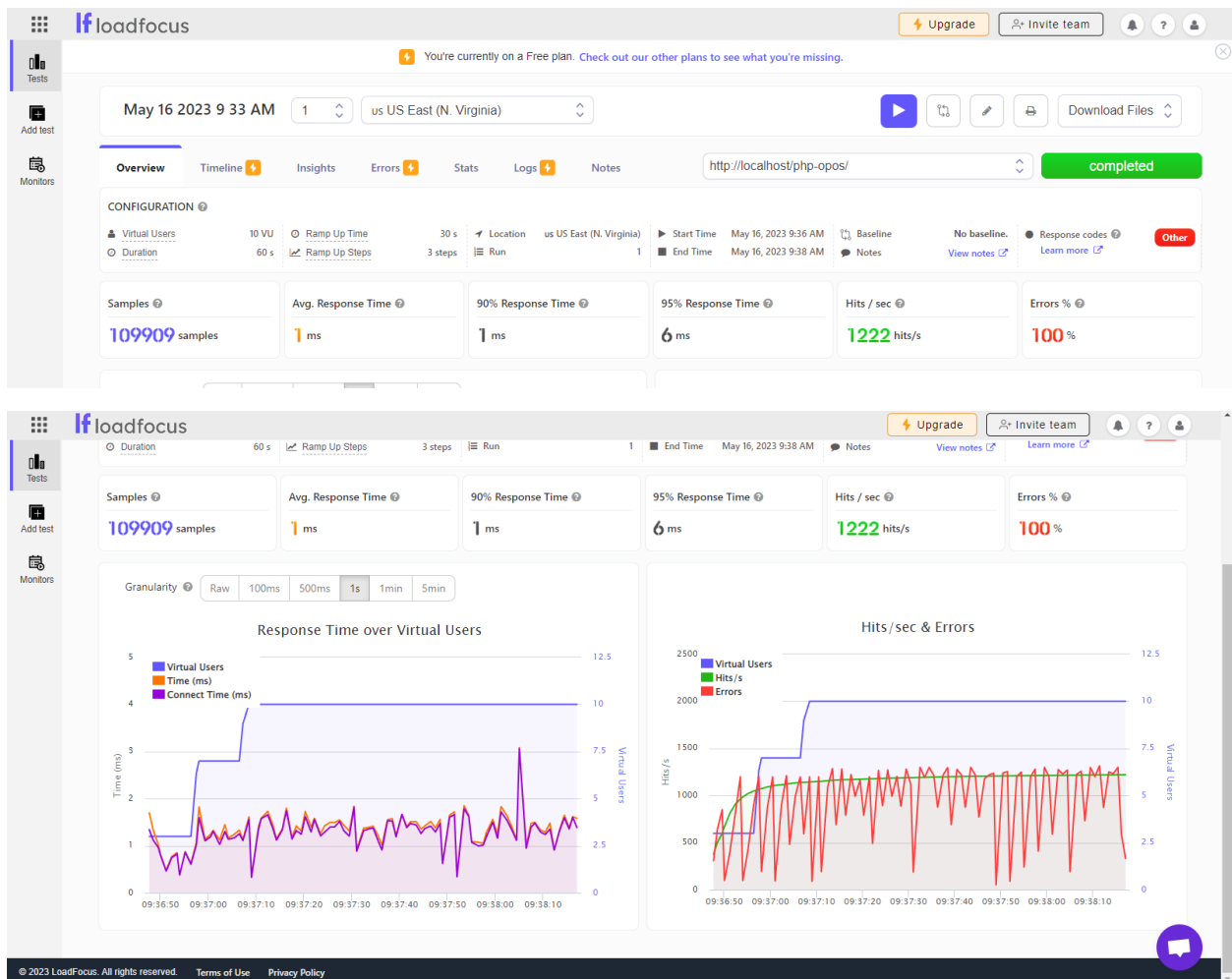
After inputting their details theres a message box on the upper right that says the order was successfully placed.

ACCEPTANCE TESTING

Module	Acceptance Requirement	Critical				Comments
		Yes	No	Accept	Reject	
Account Module	The customer must be able to			•		

	create, login to the website					
Dashboard Module	The website was created to give the customer an overview of the entire process.			•		
Menu Module	The customer must be view all the items that are available from the posted items.			•		
Cart Module	The customer must be succesfully add to their cart of their chosen item from the menu module, also the customer should be able to increase or decrease the quantity on their items from their cart, the customer must be successfully view the total amount of their cart.			•		
Confirmation Delivery Module	The customer must successfully input their information on the confirm delivery information and successfully place their order.			•		

PERFORMANCE TESTING



In the result of the performance testing it shows that the samples has 109909 this represents the total number of request sent to the server during the duration of the load test. It has 1ms average response time it shows that the moment a user sends a request until the time the application it indicates that the request has completed, It has 90% response time.

SECURTIY TESTING

Online Pizza Ordering System - PHP

Cart About Login Admin Login

Create an Account

Firstname
vhince

Lastname
chris

Contact
209502950

Address
manila

Email
vhchris@gmail.com

Password
.....

Create

Developed by oretnom23

Online Pizza Ordering System - PHP

Cart About Login Admin Login

LOGIN

Email
vhchris@gmail.com

Password
.....

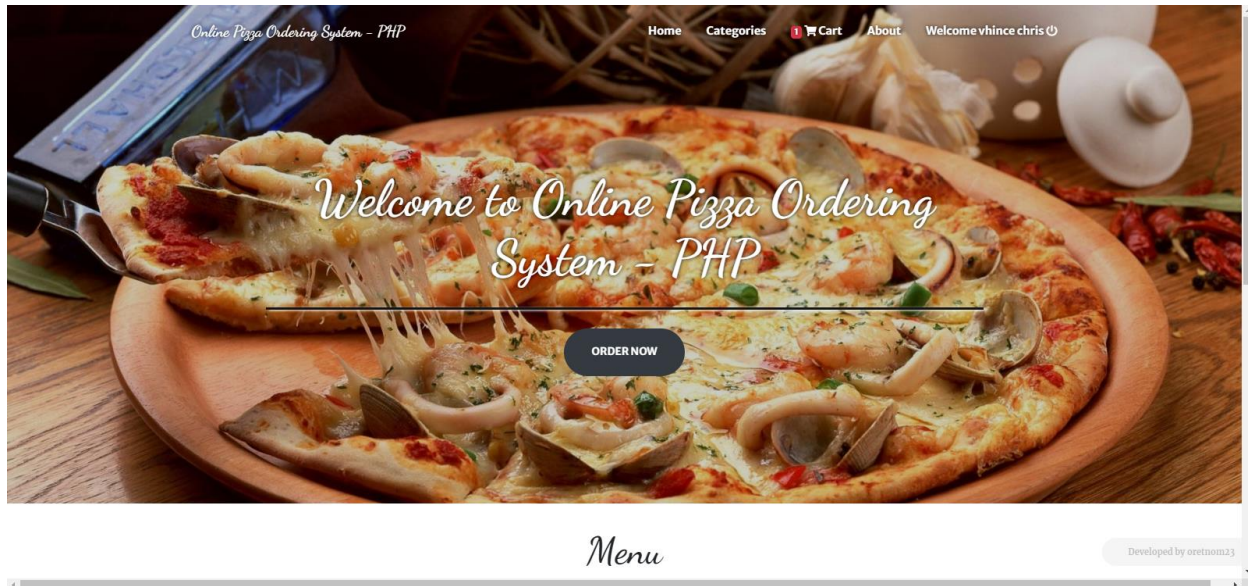
Create New Account

Login

ORDER NOW

Menu

Developed by oretnom23



In the security test we test the authentication of the website first is to create a new account and input all the required informations, after creating the account we login from the login page and it was successful we logged in to the created account and redirected to the homepage of the website.

USABILITY TESTING

The table below shows the usability testing checklist for each user types: Customer

USABILITY TESTING CHECKLIST		
USER TYPE: Customer		
Account Module: Register Account		
Test Cases	x/ ✓	Remarks
1. The register account page is easy to navigate and use.	Passed	
2. The register account form is easy to understand.	Passed	
3. The form labels and button text are concise and readable.	Passed	

4. The icons are clear to understand.	Passed	
5. The error message clearly explains how to correct the problem.	Passed	
6. The confirmation message/screen for each process is clear and easy to understand.	Passed	
7. Colors used provide good readability.	Passed	
8. Security features such as One-Time Passwords are easy to follow.	Passed	
Account Module: Login Account		
Test Cases	x/ ✓	Remarks
1. The login account page is easy to navigate and use.	Passed	
2. The login account form is easy to understand.	Passed	
3. The form labels and button text are concise and readable.	Passed	
4. The icons are clear to understand.	Passed	
5. The error message clearly explains how to correct the problem.	Passed	
6. Colors used provide good readability.	Passed	
Dashboard Module		
Test Cases	x/ ✓	Remarks
1. The details is readable and complete.	Passed	

2. Icons and buttons are concise and accurate.	Passed	
4. Text sizes and labels are readable.	Passed	
5. Adding items to the cart is fast and reliable.	Passed	
Menu Module		
Test Cases	x/ ✓	Remarks
1. The product details is viewable, easy to understand, and readable.	Passed	
2. Icons and buttons are concise and accurate.	Passed	
3. Text sizes and labels are readable.	Passed	
4. The form labels and button text are concise and readable.	Passed	
5. The buttons are functionable	Passed	
Cart Module		
Test Cases	x/ ✓	Remarks
1. The product item and the total amount is easy to readable.	Passed	
2. Icons and buttons are concise and accurate.	Passed	
3. Text sizes and labels are readable.	Passed	
4. The button for checkout is functionable.	Passed	
Confirmation Delivery Module		

Test Cases	x/ ✓	Remarks
1. Text sizes and labels are readable.	Passed	
2. Icons and buttons are concise and accurate.	Passed	
3. The place order button should be functional.	Passed	
4. The input details are functional.	Passed	

SUMMARY AND CONCLUSION

Unit testing allows a team to test their entire code base with multiple tests, which gives quick feedback during development. This helps to identify errors in the code and ensures its validity. Additionally, it simplifies the code and provides useful documentation for future reference. Unit testing has become more important in the development cycle due to the growing interest in agile software development. Many development teams now use automated unit tests to test their code actively throughout development. With an automated testing framework, teams can create repeatable tests that anyone on the team can run against the current build of the system. This helps development teams verify that new code does not break existing code.

REFERENCES

LoadFocus. (n.d.). *Cloud Testing Platform for Websites & APIs from LoadFocus*. LoadFocus.

<https://loadfocus.com/>

HONOR PLEDGE

"I accept responsibility for my role in ensuring the integrity of the work submitted by the group in which I participated."