

PIZZA DELIVERY MANAGEMENT SYSTEM

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ABSTRACT

- A Pizza Shop also known as Pizzeria within the food service industry is a specific type of restaurant characterized both by serving of pizzas of unique flavors.
- Pizza served in fast food restaurants is offered from a limited menu, prepared in real time while being kept hot, is finished and packaged for order and is usually available ready for pickup or to be delivered though seating may also be provided.
- The customers presently spend an average of 15 minutes per day going to the outlet, selecting their meals and paying. Some outlets have the provision of customers making a call to the pizzeria in advance to order a meal to be ready for them for pick or to be delivered to them. Some of the customers don't always get the selection they want because the outlet may run out of certain items.

- This project is aimed at developing a complete online ordering system for use in the food service industry which will allow the pizza shops to quickly and easily manage an online menu which customer can browse and use to place orders with just a few clicks.
- The customers can choose whether they want the food to be delivered to them or it will be packaged for pick up and the payment method will be upon delivery or pick up.
- There will be a system administrator who will have the right to add and manage user accounts, a manager who will be managing product and orders and last but not least a meal deliverer who will be dealing specifically with pending deliveries.
- The customer will be in a position to view the products, register and place an order.

Problem Statement

Despite the efficiency and speed of pizza order management and delivery system, there are certain aspects of the system which though are minute in nature but can unintentionally test the customer's patience and become a factor of preference of ordering from their competitors.

Weaknesses of the Current System

- ⦿ Modifying existing customer records are not easy
- ⦿ Maintaining customer records is difficult and tedious
- ⦿ Inconvenience of customer needing to have a physical copy of the menu
- ⦿ Due to the slow speed of the server, processing of order and customer records query takes a lot of time
- ⦿ Lack of visual confirmation that the order was placed correctly
- ⦿ Necessity for outlet to have an employee answering the phone and taking orders
- ⦿ Difficulty in tracking customers past history
- ⦿ Lack of data security
- ⦿ The new attendant has difficulty in accessing records and noting orders on his predecessor's machine

Merits of the Proposed System

- Security of data. Data are well protected for personal use.
- Ensures data accuracy during order placement process
- Minimized manual data entry
- Greater efficiency since data processing is very fast
- User friendly and interactive interface with provision for customer to view menus and have a visual confirmation that the order was place correctly.
- Minimized time requirement during the order placement process
- Greatly simplifies the ordering process for both customer and restaurant.

Project Technology

- ⦿ Programming Languages: HTML5, CSS3, C-Sharp
- ⦿ Frameworks: Microsoft ASP.NET 4.5, Twitter Bootstrap
- ⦿ Database: Microsoft SQL Server

Why ASP.NET Framework?

- ASP.NET drastically reduces the amount of code required to build large applications.
- With built-in Windows authentication and per-application configuration, your applications are safe and secured.
- It provides better performance by taking advantage of early binding, just-in-time compilation, native optimization, and caching services right out of the box.
- Provides simplicity as ASP.NET makes it easy to perform common tasks, from simple form submission and client authentication to deployment and site configuration.
- The source code and HTML are together therefore ASP.NET pages are easy to maintain and write. Also the source code is executed on the server. This provides a lot of power and flexibility to the web pages.

Drawbacks of ASP.NET Framework

- ◎ It is not easy to understand and code when you need some customization. If you are building based on a 100% mature database, then you are golden. But if you have frequent changes in your database, you may find it annoying to keep building application again and again. It may also break several other parts of your application.
- ◎ If you are using Silverlight part of it, the data access is limited to Web Services/WCF/ADO.NET Data Services. You cannot make direct calls via ADO.NET or stored procedures to a database. Also, you may find it hard to learn LINQ as a new technology to access data.

Main Section

The main section is the part of the website which is viewable by the administrators as well as the customers. Here the customers can access the website menu, access static information pages, view the food menu, place orders on food and register for a new account. This section consists of the following pages:-

- Default
- About
- Menu
- Order Online
- Contact
- Blog
- Blog-Single
- Login/Logout
- Register

All of these Pages use a Main Template Page called a Master Page. For the main section we are using PDMS.Master file.

The codes for the aforementioned pages have been described below. Each page has a page file (.aspx) and a code file (.cs).

Administrator Section

- This is the section of the website which can only be accessed by the managers or administrators of the website and is not available to the general public for viewing. The administrators can Add, Update and Delete Products and Product Categories. The Administrator can also add new users
- The administrator section consists of the following pages
- Admin.Master (Template used for Administrator Dashboard)
- admin-main.aspx (default administrator page)
- add-user.aspx (To add new administrators)
- login.aspx(Login page for administrators)
- manage_products.aspx (To Add, Update or Delete Products)
- manage_prodtype.aspx (To Add, Update or Delete Product Categories)
- edit-product.aspx (To Edit Product Details)

Screen Shots

Homepage

Zupa Restaurant

[Home](#)

[About](#)

[Menu](#)

[Order Online](#)

[Contact Us](#)

[Blog](#)

[tarantej](#)

[Logout](#)

Welcome to the **Pizza Express**

Amazing and **delicious** pizzas only with us!

MENU



Open Today from 9 am to 9 pm



Call us and find out more +44 852 852 888



252-258 Oxford St, London W1C 1DL, United Kingdom

About

ZupaRestaurant

[Home](#)

[About](#)

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About

SEE WHO WE ARE AND WHAT WE OFFER!



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean diam dolor, tincidunt sit amet imperdiet viverra, accumsan at sem. Integer felis enim, aliquam id blandit ut, imperdiet vel nulla. Pellentesque et ex blandit, vehicula dui nec, facilisis magna. Mauris scelerisque ipsum sit amet vulputate lobortis. Duis blandit, nibh ac posuere placerat, mi leo pellentesque arcu, ac dictum odio lorem a purus. Etiam ac ipsum eu dolor eleifend feugiat.



We cook with passion

Nulla id tortor nec lectus feugiat ultricies. Duis sit amet augue vitae dui bibendum rhoncus ut a justo. Maecenas sit amet mauris metus.



We cook with passion

Nulla id tortor nec lectus feugiat ultricies. Duis sit amet augue vitae dui bibendum rhoncus ut a justo. Maecenas sit amet mauris metus.



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Nulla id tortor nec lectus feugiat ultricies. Duis sit amet augue vitae dui bibendum rhoncus ut a justo. Maecenas sit amet mauris metus.

Menu

Zupa Restaurant

[Home](#)

[About](#)

[Menu](#)

[Order Online](#)

[Contact Us](#)

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[tarantej](#)

[Logout](#)

Menu

CHECK OUT OUR MENU AND SELECT SOMETHING FOR EVERYONE

BREAKFAST

SOUP

GRILL

PASTA

PIZZA

DRINK



Alvarado

Blackened Chicken, Cherry Tomatoes, Green Pepper, Onion,
Marinara, Mozzarella & Parmesan

\$11.95



Berkeley

Blackened Chicken, Cherry Tomatoes, Green Pepper, Onion,
Marinara, Mozzarella & Parmesan

\$11.95



Bonie Brae

Blackened Chicken, Cherry Tomatoes, Green Pepper, Onion,

\$11.95



Order Online

Zupa Restaurant

[Home](#)

[About](#)

[Menu](#)

[Order Online](#)

[Contact Us](#)

[Blog](#)

[tarantej](#)

[Logout](#)

[Order Online](#)

PLACE ORDERS FOR YUMMY PIZZAS HERE



Chicken Salami

\$250



Margarita


\$100




Spicy Triple Tango

\$400

Product Detail



HomeAboutMenuOrder OnlineContact UsBlogtarantejLogout



Spicy Triple Tango

Product ID:1005

Description

Spicy Triple Tango

Available!

Price per unit:
£ 400

Quantity:

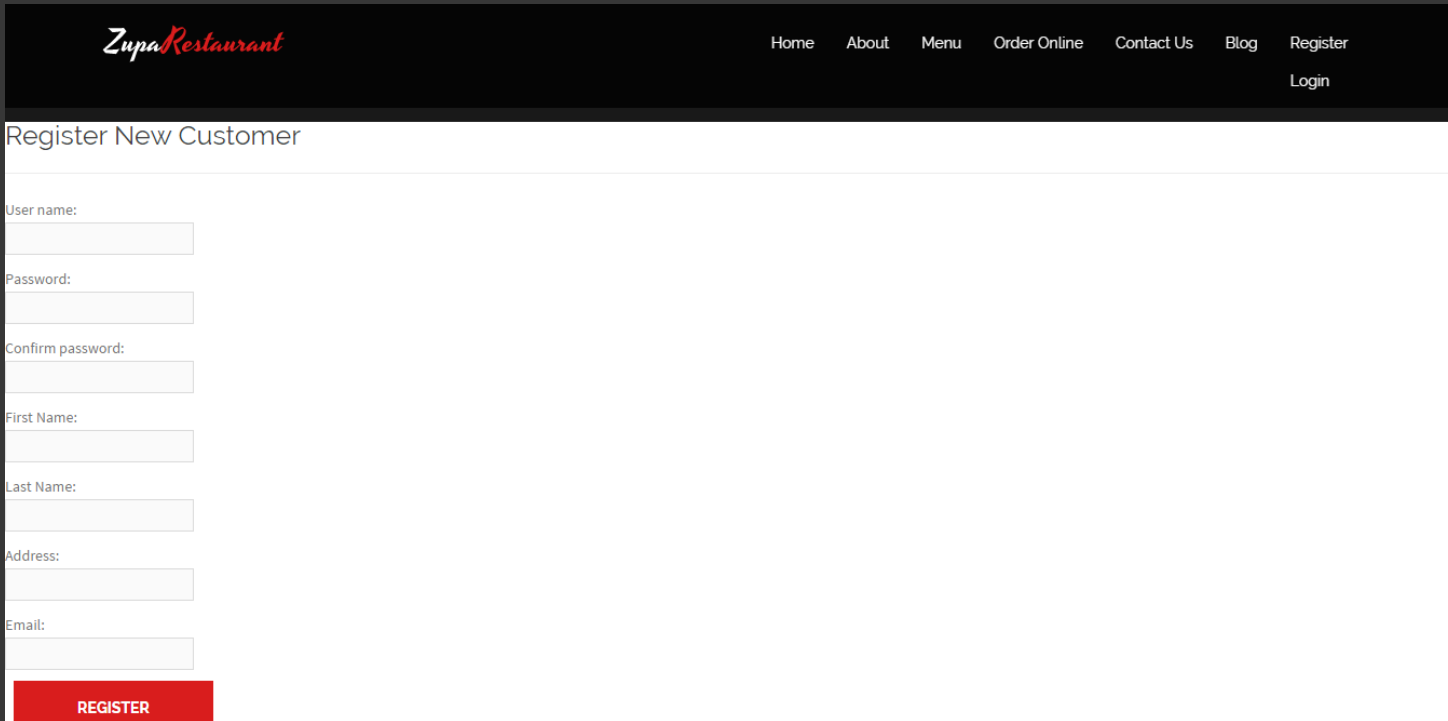
ADD TO CART

SUBSCRIBE US
Subscribe to us and be always up to date!

SUBSCRIBE

When you click on an item, it will show you the details of the item and let you add the item to your shopping cart

Register

A screenshot of a web browser showing the registration page for 'Zupa Restaurant'. The page has a dark header with the restaurant's logo on the left and a navigation menu on the right. The main content area is white and titled 'Register New Customer'. It contains a series of input fields for user registration: 'User name:', 'Password:', 'Confirm password:', 'First Name:', 'Last Name:', 'Address:', and 'Email:'. Each label is followed by a light gray rectangular input box. At the bottom left of the form area is a red button with the word 'REGISTER' in white capital letters.

Zupa Restaurant

Home About Menu Order Online Contact Us Blog Register Login

Register New Customer

User name:

Password:

Confirm password:

First Name:

Last Name:

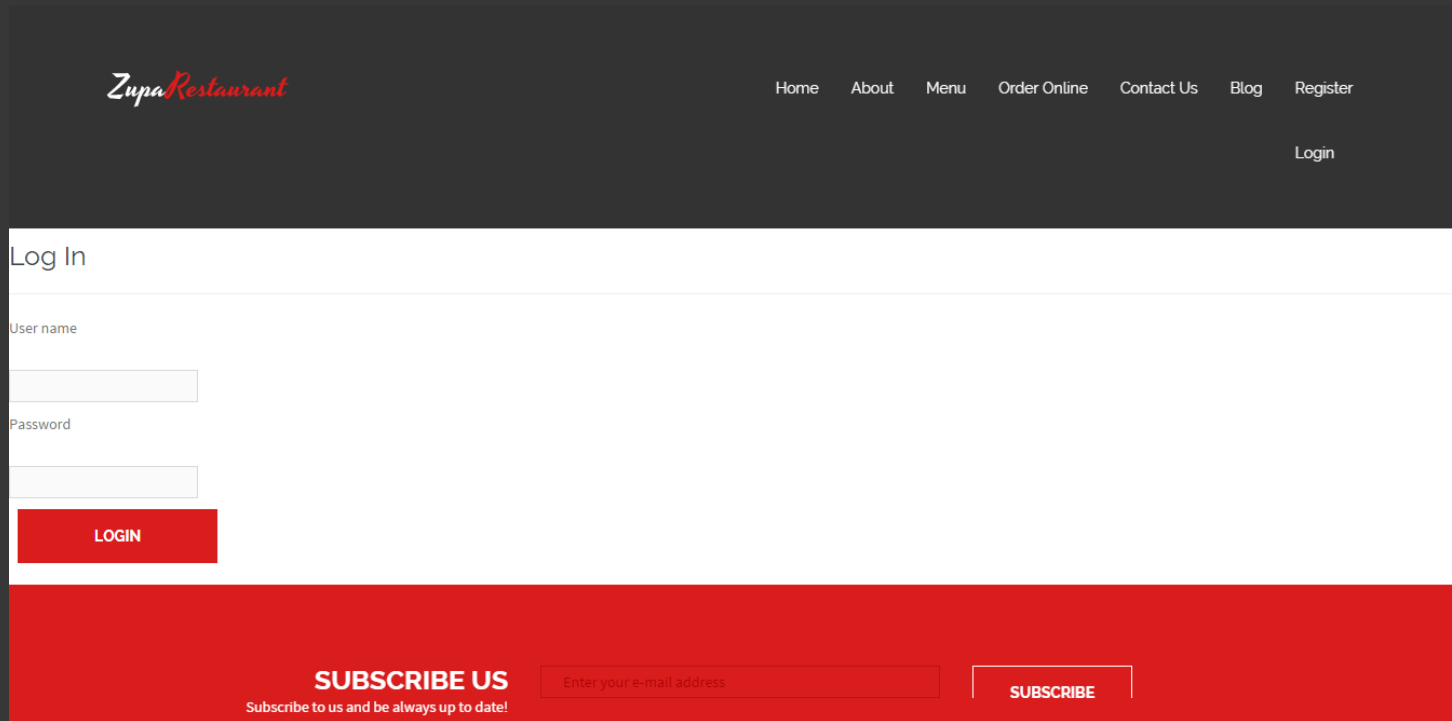
Address:

Email:

REGISTER

The customer can register for a new account and use the details to place their order on the website

Login



The screenshot shows the login interface of the Zupa Restaurant website. At the top, the restaurant's logo "Zupa Restaurant" is on the left, and a navigation menu with links "Home", "About", "Menu", "Order Online", "Contact Us", "Blog", "Register", and "Login" is on the right. The "Login" link is highlighted. Below the navigation bar is a white login form with the title "Log In". It contains two input fields: "User name" and "Password". Below the "Password" field is a red "LOGIN" button. At the bottom of the page is a red banner with the text "SUBSCRIBE US" and "Subscribe to us and be always up to date!". To the right of this text is a white input field for an email address, followed by a red "SUBSCRIBE" button.

Zupa Restaurant

Home About Menu Order Online Contact Us Blog Register Login

Log In

User name

Password

LOGIN

SUBSCRIBE US
Subscribe to us and be always up to date!

Enter your e-mail address

SUBSCRIBE

Here the customer can log in to the website to place their orders

Administrator Login

ZupaRestaurant

Home About Menu Order Online Contact Us Blog Logout

tarantej

Log In

User name

Password

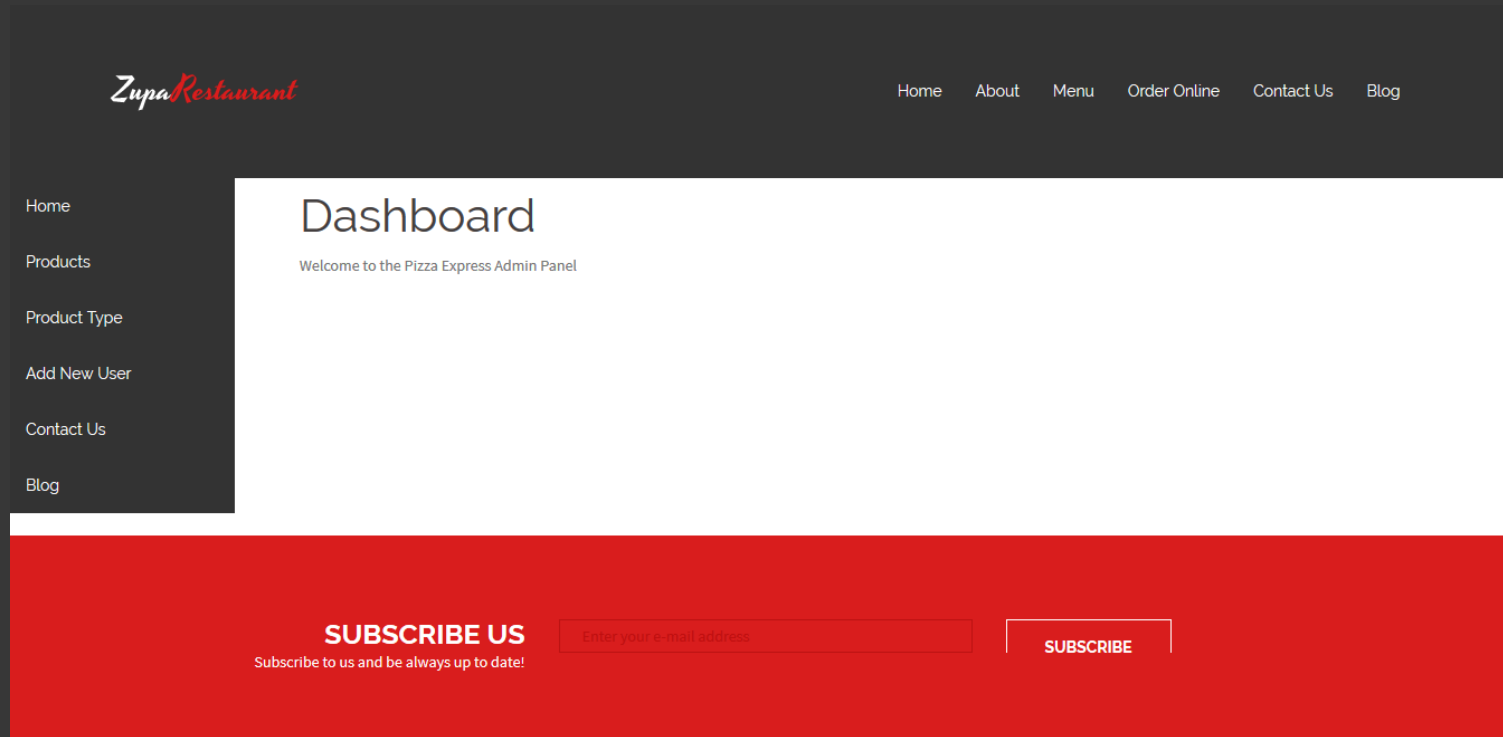
LOG IN

SUBSCRIBE US
Subscribe to us and be always up to date!

SUBSCRIBE

The login page for administrators . The administrators can login to the website dashboard and Add, Update and Delete Products and their related product information

Administrator Dashboard



The administrators dashboard. Here administrators can Add, Update and Delete Products and their related product information. They can also add new administrators to the website.

Manage Products

[Home](#)[Products](#)[Product Type](#)[Add New User](#)[Contact Us](#)[Blog](#)

Add Products

Name:

Type: ▼

Price:

Image: ▼

Description:

ADD PRODUCT

	ID	ProdType	Name	Price	Description	Image
Edit Delete	1003	1	Chicken Salami	250	fsdfscsdcsdfsfsdfsdfsdfsd	ChickenSalamiSpecial.jpg
Edit Delete	1004	1	Margarita	100	Simple Margharita Pizza	margherita.png

Adding New Product

Home

Products

Product Type


Add New User

Contact Us

Blog

Add Products

Name:


Type: 

Price:

Image: 

Description:

Spicy Triple Tango



ADD PRODUCT


	ID	ProdType	Name	Price	Description	Image
Edit Delete	1003	1	Chicken Salami	250	fsdfscsdcdsfsfsdfsd	ChickenSalamiSpecial.jpg
Edit Delete	1004	1	Margarita	100	Simple Margharita Pizza	margherita.png

New Product Added

Contact Us

Blog

Price:

Image: 

Description:

ADD PRODUCT

	ID	ProdType	Name	Price	Description	Image
Edit Delete	1003	1	Chicken Salami	250	fsdfscdcsdfsfsdfsdfsd	ChickenSalamiSpecial.jpg
Edit Delete	1004	1	Margarita	100	Simple Margharita Pizza	margherita.png
Edit Delete	1005	1	Spicy Triple Tango	400	Spicy Triple Tango	spicytripletangoMainMenu5.jpg

SUBSCRIBE US

Subscribe to us and be always up to date!

SUBSCRIBE

Edit Product

Zupa Restaurant

[Home](#) [About](#) [Menu](#) [Order Online](#) [Contact Us](#) [Blog](#)

[Home](#)

[Products](#)

[Product Type](#)

[Add New User](#)

[Contact Us](#)


[Blog](#)

Edit Products

Name:

Type: 

Price:

Image: 

Description:

fsdfscsdcsdfsfsdfsdfsd

UPDATE

Manage Product Types



[Home](#) [About](#) [Menu](#) [Order Online](#) [Contact Us](#) [Blog](#)

[Home](#)

[Products](#)

[Product Type](#)

[Add New User](#)

[Contact Us](#)

[Blog](#)

Add New Product Category

New Category Name

ADD CATEGORY

	ID	Name
Edit Delete	1	Pizza
Edit Delete	2	Sides
Edit Delete	3	Desserts
Edit Delete	4	Beverages

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Enter your e-mail address

SUBSCRIBE

Add New Product Type



[Home](#) [About](#) [Menu](#) [Order Online](#) [Contact Us](#) [Blog](#)

[Home](#)

[Products](#)

[Product Type](#)

[Add New User](#)

[Contact Us](#)

[Blog](#)

Add New Product Category

New Category Name

[ADD CATEGORY](#)

	ID	Name
Edit Delete	1	Pizza
Edit Delete	2	Sides
Edit Delete	3	Desserts
Edit Delete	4	Beverages

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Add New User



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[Home](#)

[Products](#)

[Product Type](#)

[Add New User](#)

[Contact Us](#)

[Blog](#)

Add a new user

User name:

Password:

Confirm password:

First Name:

Last Name:

Address:

Email:

ADD USER

SUBSCRIBE US

Subscribe to us and be always up to date!

Enter your e-mail address

SUBSCRIBE