A

Project Report

On

Pizza Delivery Management System

Guided By: -

Mrs. Balmeet Kaur

Submitted By

TARANTEJ SINGH

REGD NO: 1402003852

CENTER CODE: 00963

Master of Business Administration

In

Information Systems

SMU

Sikkim Manipal University

Directorate of Distance Education

Manipal

INSPIRED BY LIFE

SMU

Sikkim Manipal University

Directorate of Distance Education

BONAFIDE CERTIFICATE

Certificated that this project report titled **"Pizza Delivery Management System"** is the bonafide work of "Tarantej Singh" , bearing ROLL NO: **1402003852** who carried out the project work under my supervision

Guide

MRS. BALMEET KAUR

Head of the Department

JAYESH BHATNAGAR

DECLARATION

I, **Tarantej Singh**, hereby declare that this project report titled "**Pizza Delivery Management System**", is a genuine project undertaken by me under the guidance of **Mrs. Balmeet Kaur**, SMU, Rajouri Garden in partial of the requirement of the award of the MBA.

All findings and analysis in this project report are true, original and impartial. I promise that the data gathered for the purpose of this report will not be made public and will be kept confidential, except for academic purpose

ACKNOWLEDGEMENT

The satisfaction which accompanies the successful completion of the project , is incomplete without the mention of a few names . I take this opportunity to acknowledge the efforts of the many individuals who helped me make this project possible. First and foremost, I would like to express my heartiest appreciation and gratitude to my guide Mrs. Balmeet Kaur. Her vision and execution aimed at creating a structure , definition and realism around the project and fostered the ideal environment for me to learn and grow. This project is a result of their teaching, encouragement and inputs in the numerous meetings she had with me , despite their busy schedule. She has helped provide the scope and direct my studies in a matter to make them most beneficial for me and to the company. I am extremely grateful to my faculty guide **Mrs. Balmeet Kaur** for her valuable input from time to time. I would also like to thank **all the faculty members of SMU, Rajouri Garden** for helping me a lot.

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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.

The development of this system will be based on SDLC with C# ASP.NET, HTML5 and CSS3 as the programming languages based in Microsoft .NET Framework version 4.5 and Bootstrap Framework while Microsoft SQL server 2014 as the database of the system. HTML language is advantageous due to its easy to use and learn validation properties while SQL Server has better advanced features and properties, has good security, is open source and has cross platform operability.

Advantages of using ASP.NET

The advantages of using C# ASP.NET programming language in developing this system include:

- 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.

Disadvantages of using ASP.NET

Some of the key challenges you may face when using ASP.NET programming language are

- It is not easy to understand and code when you need some customization. If you are building based on a 100% mature database, they 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.

Objective of the Study

- To increase efficiency and improve services provided to the customers through better application of technology in daily operations
- To be able to stand out from the competitors in the food service industry
- To enable the customers to order their meals easily
- To enable customers to pick the toppings of their choice
- To enable customers to have a visual confirmation that their order was successful placed
- To improve the efficiency of the outlet staff
- To eliminate paperwork and increase level of accuracy
- To increase speed of service , sales volume and customer satisfaction

Problem Statement

Pizza ordering has become a part and parcel of our lives. Families and friends order pizza as it is quite affordable, makes a good meal and has a variety of options like garlic bread, desserts and side dishes to order along with it. With the emergence of Pizza chains such as Dominoes, Pizza Hut, Papa Jones etc. Pizza has become the favorite meal which can be enjoyed with your friends and love ones. With the emergence of online marketing, the pizza ordering process has taken a quantum leap and has now enabled us to place our orders online either via website or mobile app.

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.

Some of the problems of the existing system are as follows: -

1) Maintaining customer records in difficult and tedious

2) Modifying existing customer records are not easy

3) Due to the slow speed of the server, processing of order and customer records query takes a lot of time

4) The new attendant has difficulty in accessing records and noting orders on his predecessor's machine

That being said, we propose a new software that addresses the order processing and delivery problems and assists the attendants in providing a better experience to the customer.

Weaknesses of the current system

- Inconvenience of customer needing to have a physical copy of the menu
- Time consuming
- 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
- Manual work and consumes large volumes of data
- Lack of data security

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 scope

Online ordering system will be a web based application whose main language of programming will be C#. Its main aim is to simplify and improve the efficiency of the ordering process for both customer and pizzeria, minimize manual data entry and ensure data accuracy and security during order placement process. Customers will also be able to view product menus and there ingredients and be able to have a visual confirmation that the order was placed correctly.

Limitation of the system

- Requires internet connection and also the user must be computer literate.
- The set back of the system is that the customers targeted are adults with access to computer systems while the minors might have to go physically to the outlet to purchase the food that they want or order the food with the help of an adult.
- The other limitation is that the system will only be convenient to people with a small geographical region, basically just around the pizza outlet i.e. can only help a small area.

Feasibility Study

Depending upon the results of the initial investigation, the project has been expanded to a more detailed feasibility study. Feasibility study is a test of the Software Product Specification (SPS) according to their workability, impact on the organization, ability to meet user needs and effective use of the resources. The objective of feasibility study is not to solve the problem but to acquire a sense of its scope. During the study the problem definition is crystallized and the aspects of the problems and limitations to be included in the system are determined.

Technical Feasibility

This assessment is focused on gaining an understanding of the present technical resources of the organization and their applicability to the expected needs of the proposed system. It is an evaluation of the hardware and software and how it meets the needs of the proposed system. The systems project is considered technically feasible if the internal technical capability is sufficient to support the project requirements. The proposed system is based on the following specifications.

Hardware Specifications

- Windows 7/ Windows 8/ Windows 8.1
- Colored Monitor
- Keyboard
- RAM: 4GB
- Hard Disk : 500GB
- Intel Celeron 2.16 Ghz
- Mouse

Technical Specifications

- C# .NET on Visual Studio 2012
- SQL Server 2014
- Windows 8.1
- .NET Framework 4.0

Operational Feasibility

The purpose of this software is to make the process of pizza ordering and order processing easier and more user friendly as well as modern to the current technology and paperless. It enables easy viewing of the order and customization by the customer.

Economic feasibility

This assessment aims to determine the positive economic benefits to the organization that the proposed system will provide. It typically involves a cost/ benefits analysis and it's the most frequently used method for evaluating the effectiveness of a new proposed system. Possible questions raised in economic analysis are:

Schedule feasibility

It is the measure of how reasonable the project time table is or the deadline is reasonable or not. During the lack of time or the time become mandatory, we must finish the project within a given time period.

Analysis and Design

Development of computerized systems requires analysis of the process to be digitized in order to enable a correct system, a system that functions as required and to assist the potential users of the system understand the general functionality of the system. The analysis specifies the system's objectives and constraints to which designers have to comply. The purpose of doing analysis is to transform the system's major inputs into structured specification.

Context diagram

This is a brief structure which depicts the environment in which a software system exists and helps in communicating about what lies outside the system boundary.

Data flow diagram

It is a two-dimensional diagram that explains how data is processed and transferred in a system. The graphical depiction identifies each source of data and how it interacts with other data sources to reach a common output.

Administrator module

Functionalities provided:

- Create usernames and passwords
- View/ edit / delete user accounts
- Add, Update and Delete Products
- Add, Update and Delete Product Categories

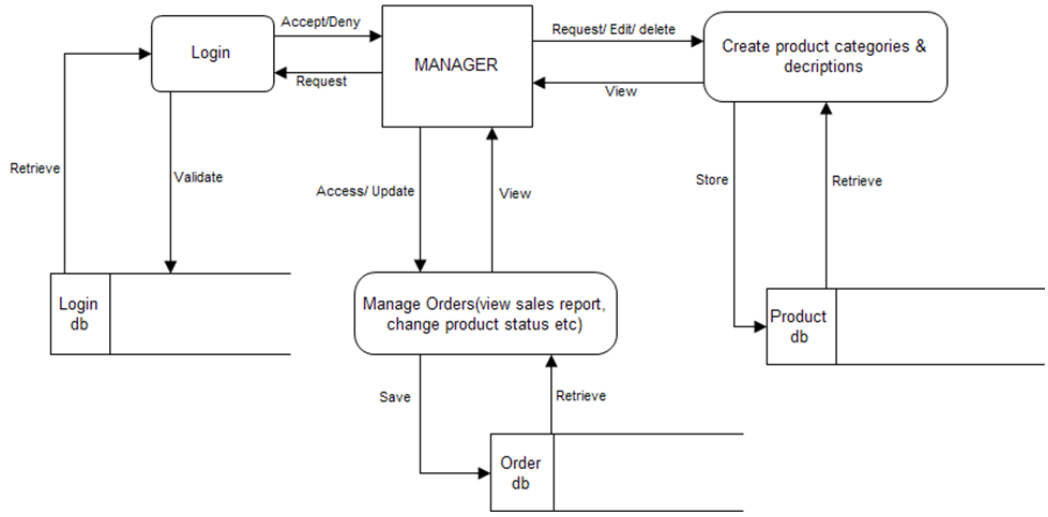


Figure 1 – Administrator Module

Customer module

Functionalities provided:

- View Pizza Menu
- Register
- Place orders
- View Shopping Cart

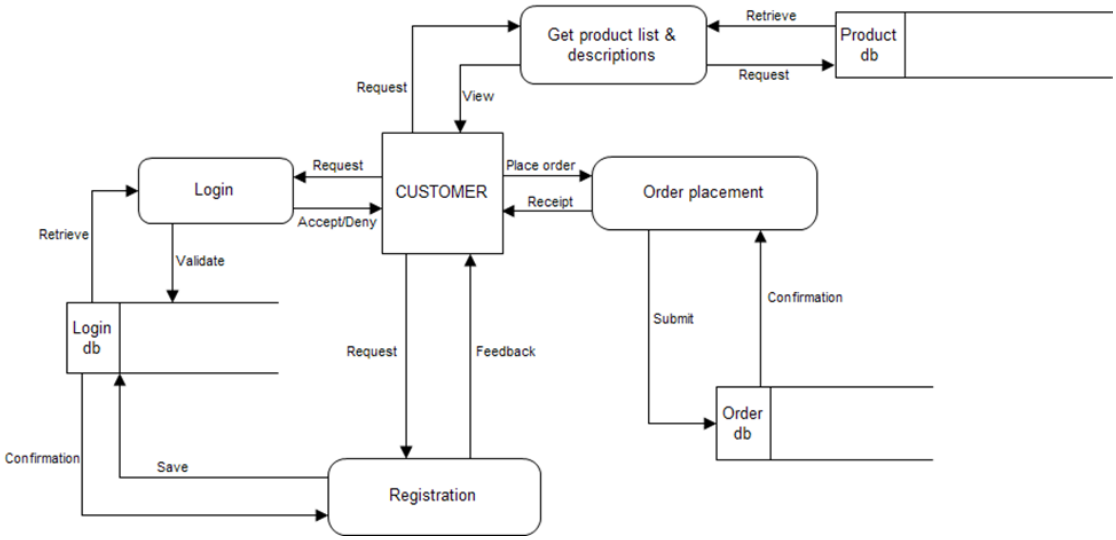


Figure 2 – Customer Module

User requirements

The system will be designed to be user friendly. The user friendly and interactive interfaces design helps to achieve this by enabling customers to easily browse through the menus place orders with just a few clicks and also allows restaurant employees to quickly go through the orders as they are placed and produce the necessary items with minimal delay and confusion. The system will be simple to use.

Functional requirements

Functional requirements define the capabilities and functions that a system must be able to perform successfully. The functional requirements of this online ordering system include: The system shall enable the customer to view the products menu, create an account, login to the system and place an order.

- The system allows the customer to review the order before making payment
- The system shall provide visual confirmation of the order placement

- The system shall enable the administrator to view, create, edit and delete food category and descriptions
- The system shall allow the manager to update additional information (description, photo, ingredients etc.) for a given food item.
- The system shall allow the manager to update price for a given food item.

Non-functional requirements

A non-functional requirement is a requirement that specifies criteria that can be used to judge the operation of a system, rather than specific behaviors. Some of the non-functional requirements include:

- The should be sufficient network bandwidth
- Backup- provision for data backup
- Maintainability- easy to maintain
- Performance/ response time- fast response
- Usability by target user community- easy to use
- Expandability- needs to be future proof or upgradable
- Safety- should be safe to use

System requirements

These consist of the hardware and software components of a computer system that are required to install in order to use the software efficiently.

Hardware Requirements

- Windows 7/ Windows 8/ Windows 8.1
- Colored Monitor
- Keyboard
- RAM: 4GB
- Hard Disk : 500GB
- Intel Celeron 2.16 Ghz
- Mouse

Software Requirements

- C# .NET on Visual Studio 2012
- SQL Server 2014
- Windows 8.1
- .NET Framework 4.0

Process model

For my project I used iterative software life cycle model. In Iterative model, iterative process starts with a simple implementation of a small set of the software requirements and iteratively enhances the evolving versions until the complete system is implemented and ready to be deployed.

An iterative life cycle model does not attempt to start with a full specification of requirements. Instead, development begins by specifying and implementing just part of the software, which is then reviewed in order to identify further requirements. This process is then repeated, producing a new version of the software at the end of each iteration of the model.

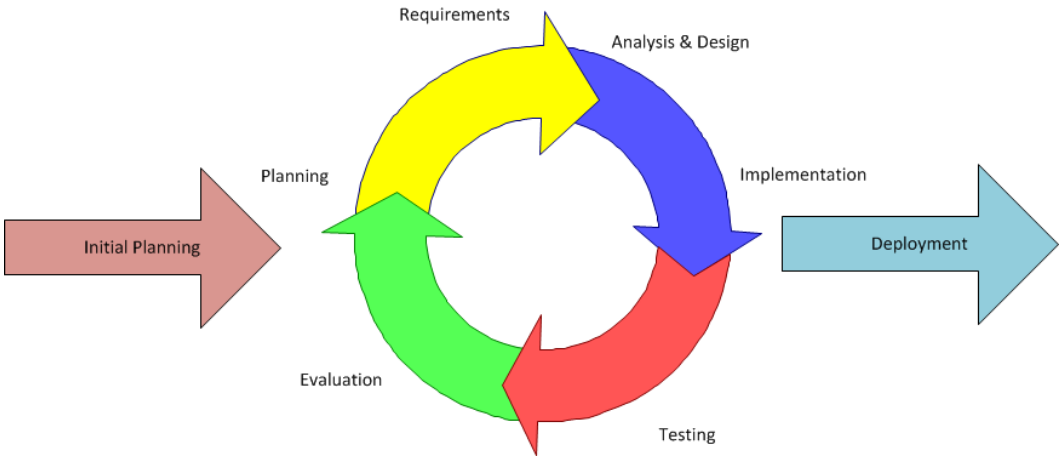


Figure 3 – Iterative Software Development Life Cycle

Implementation and Testing

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).

PDMS.Master (Main Template File)

```
<%@ Master Language="C#" AutoEventWireup="true" CodeBehind="PDMS.master.cs" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Pizza Express - Delicious Pizzas Everytime</title>
    <meta name="description" content="" />
   <meta name="keywords" content="" />
   <meta name="author" content="" />

   <!-- Mobile Specific Metas -->
   <meta name="viewport" content="width=device-width, initial-scale=1, maximum-
scale=1" />

   <!-- Bootstrap  -->
   <link rel="stylesheet" type="text/css" href="stylesheets/bootstrap.css" />

   <!-- Theme Style -->
    <link rel="stylesheet" type="text/css" href="stylesheets/style.css" />
    <!-- Colors -->
   <link rel="stylesheet" type="text/css" href="stylesheets/colors/color1.css"
id="colors" />

   <!-- Animation Style -->
```

```
   <link rel="stylesheet" type="text/css" href="stylesheets/animate.css" />

   <!-- Google Fonts -->
   <link
href='http://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400italic,600,700
' rel='stylesheet' type='text/css' />
   <link href='http://fonts.googleapis.com/css?family=Raleway:400,500,600,700'
rel='stylesheet' type='text/css' />

   <!-- Favicon and touch icons  -->
   <link href="icon/apple-touch-icon-144-precomposed.png" rel="apple-touch-icon-
precomposed" sizes="144x144" />
   <link href="icon/apple-touch-icon-114-precomposed.png" rel="apple-touch-icon-
precomposed" sizes="114x114" />
   <link href="icon/apple-touch-icon-72-precomposed.png" rel="apple-touch-icon-
precomposed" sizes="72x72" />
   <link href="icon/apple-touch-icon-57-precomposed.png" rel="apple-touch-icon-
precomposed" />
   <link href="icon/favicon.png" rel="shortcut icon" />

   <!--[if lt IE 9]>
      <script src="javascript/html5shiv.js"></script>
      <script src="javascript/respond.min.js"></script>
   <![endif]-->
    <asp:ContentPlaceHolder ID="head" runat="server">
    </asp:ContentPlaceHolder>
</head>
<body class="full-screen">
    <div id="top"></div>
    <!-- Parallax Fullscreen -->
   <div id="top-slider" class="parallax-bg1 parallax">
        <div class="overlay"></div>

        <header id="header" class="header header-sticky">
            <div class="header-wrap">
                <div class="container">
                    <div class="row">
                        <div class="span2">
                            <div id="logo" class="logo">
                                <a href="Default.aspx" rel="home">
                                    <img src="images/logo.png" alt="ZupaRestaurant" />
                                </a>
                            </div><!-- /.logo -->
                        </div>
                        <div class="span10">
                            <div class="btn-menu"></div><!-- //mobile menu button -->
                            <nav id="mainnav" class="mainnav">
                                <ul class="menu">
                                    <li><a id="ActiveMenu" runat="server"
href="Default.aspx">Home</a></li>
                                    <li><a id="ActiveMenu2" runat="server"
href="about.aspx">About</a></li>
                                    <li><a id="ActiveMenu3" runat="server"
href="menu.aspx">Menu</a></li>
                                    <li><a id="ActiveMenu4" runat="server"
href="shop.aspx">Order Online</a></li>
                                    <li><a id="ActiveMenu5" runat="server"
href="contact-us.aspx">Contact Us</a></li>
                                    <li><a id="ActiveMenu6" runat="server"
href="blog.aspx">Blog</a></li>
                                    <li style="float:right;">
```

```
                                        <asp:HyperLink ID="lnkregister"
NavigateUrl="~/register.aspx" runat="server">Register</asp:HyperLink>
                                        <asp:HyperLink ID="litStatus"
runat="server"></asp:HyperLink>

                                    </li>
                                    <li style="float:right;">
                                         <asp:HyperLink ID="lnklogout" runat="server"
OnClick="lnklogout_Click">Logout</asp:HyperLink>

                                    </li>

                                </ul><!-- /.menu -->
                            </nav><!-- /.mainnav -->
                        </div><!-- /.span10 -->
                    </div><!-- /.row -->
                </div><!-- /.container -->
            </div><!-- /.header-wrap -->
        </header><!-- /.header -->
       </div>
    <form id="form1" runat="server">
    <div>
        <asp:ContentPlaceHolder ID="MainContent1" runat="server">

        </asp:ContentPlaceHolder>
    </div>
    </form>
    <!-- Subscribe -->
        <section id="subscribe" class="roll-row subscribe-section" style="padding:
75px 0; background-color: #d91d1d">
            <div class="container">
                <div class="row">
                    <div class="content-section">
                        <div class="span12">
                            <div class="mail-subscribe dark">
                                <div class="text">
                                    <h2>SUBSCRIBE US</h2>
                                    <p>Subscribe to us and be always up to date!</p>
                                </div><!-- /.text -->
                                <form method="post" action="#" id="subscribe-form"
data-mailchimp="true">
                                    <div id="subscribe-content">
                                        <div class="input-wrap email-sub">
                                            <input type="text" id="subscribe-email"
name="subscribe-email" placeholder="Enter your e-mail address" />
                                        </div>
                                        <div class="button-wrap">
                                            <button type="button" id="subscribe-
button" class="" title="Subscribe now">SUBSCRIBE</button>
                                        </div>
                                    </div>
                                    <div id="subscribe-msg"></div>
                                </form><!-- /#subscribe-form -->
                                <div class="clearfix"></div>
                            </div><!-- /.mail-subscribe -->
                        </div><!-- /.span12 -->
                    </div><!-- /.content-section -->
                </div><!-- /.row -->
            </div><!-- /.container -->
        </section>

        <div id="map" style="width: 100%; height: 250px">
```

```
        </div><!-- /map -->

        <footer class="footer simple">
            <div class="container">
                <div class="row">
                    <div class="content-section">
                        <div class="span12">
                            <h4 class="thanks">THANK YOU AND WELCOME BACK!</h4>
                            <p class="copyr">All Right Reserved • ZupaRestaurant •
2014</p>
                        </div><!-- /.span12 -->
                    </div><!-- /.content-section -->
                </div><!-- /.row -->
            </div><!-- /.container -->
        </footer>

        <div class="bottom">
            <div class="container">
                <div class="row">
                    <div class="span12">
                        <ul class="roll-socials">
                            <li>
                                <a href="#" target="_blank" title="Facebook'"><i
class="fa fa-facebook"></i></a>
                            </li>
                            <li>
                                <a href="#" target="_blank" title="Twitter"><i
class="fa fa-twitter"></i></a>
                            </li>
                            <li>
                                <a href="#" target="_blank" title="Tumblr"><i
class="fa fa-tumblr"></i></a>
                            </li>
                            <li>
                                <a href="#" target="_blank" title="Pinterest"><i
class="fa fa-pinterest"></i></a>
                            </li>
                            <li>
                                <a href="#" target="_blank" title="linkedin"><i
class="fa fa-linkedin"></i></a>
                            </li>
                            <li>
                                <a href="#" target="_blank" title="google-plus"><i
class="fa fa-google-plus"></i></a>
                            </li>
                        </ul>
                    </div><!-- /.span12 -->
                </div><!-- /.row -->
            </div><!-- /.container -->
        </div><!-- /.bottom -->
    <!-- Go Top -->
    <a class="go-top">
        <i class="fa fa-angle-up"></i>
    </a>

    <!-- Javascript -->
    <script type="text/javascript" src="javascript/jquery.min.js"></script>
    <script type="text/javascript" src="javascript/bootstrap.min.js"></script>
    <script type="text/javascript" src="javascript/jquery.easing.js"></script>
    <script type="text/javascript" src="javascript/matchMedia.js"></script>
    <script type="text/javascript" src="javascript/jquery-waypoints.js"></script>
    <script type="text/javascript" src="javascript/jquery.bxslider.js"></script>
```

```
    <script type="text/javascript" src="javascript/parallax.js"></script>
    <script type="text/javascript" src="javascript/imagesloaded.min.js"></script>
    <script type="text/javascript" src="javascript/jquery.isotope.min.js"></script>
    <script type="text/javascript" src="javascript/jquery.sticky.js"></script>
    <script type="text/javascript" src="javascript/jquery.flexslider-min.js"></script>
    <script type="text/javascript" src="javascript/owl.carousel.min.js"></script>
    <script type="text/javascript" src="javascript/jquery.countdown.js"></script>

    <script type="text/javascript" src="javascript/jquery-ui-datepicker.js"></script>

    <script>
    $(function() {
    $( "#datepicker" ).datepicker();
    });
    </script>

    <script type="text/javascript" src="javascript/jquery.transit.js"></script>
    <script type="text/javascript" src="javascript/jquery.tweet.min.js"></script>
    <script type="text/javascript" src="javascript/jflickrfeed.min.js"></script>
    <script type="text/javascript"
src="https://maps.googleapis.com/maps/api/js?sensor=false"></script>
    <script type="text/javascript" src="javascript/gmap3.min.js"></script>
    <script type="text/javascript" src="javascript/main.js"></script>
</body>
</html>
```

Default.aspx

```
<%@ Page Title="Pizza Express - Delicious Pizzas Everytime" Language="C#"
MasterPageFile="~/PDMS.Master" AutoEventWireup="true" CodeBehind="Default.aspx.cs"
Inherits="PDMS.WebForm1" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="MainContent1" runat="server">

       <div id="top-slider" class="parallax-bg1 parallax">
        <div class="overlay"></div>
        <div class="control-slider">
               <div class="flexslider">
                     <ul class="slides">
                            <li>
                                   <div class="content-slider">
                                          <h2 class="FromLeft captionDelay2">Welcome to
the <b><span class="color">Pizza Express</span></b></h2>
                                          <div class="divider FromLeft
captionDelay5"></div>
                                          <p class="FromLeft
captionDelay8"><b>Amazing</b> and <b>delicious</b> pizzas only with us!</p>
                                          <a href="#" class="read-more FromLeft
captionDelay11">MENU</a>
                                   </div>
                            </li>
                            <li>
                                   <div class="content-slider">
                                          <h2 class="FromRight captionDelay2">Welcome
to the <b>Pizza<span class="color">Express</span></b></h2>
                                          <div class="divider FromRight
captionDelay5"></div>
                                          <p class="FromRight
captionDelay8"><b>Amazing</b> and <b>delicious</b> pizzas only with us!</p>
```

```
                                        <a href="#" class="read-more FromRight
captionDelay11">MENU</a>
                                    </div>
                                </li>
                                <li>
                                    <div class="content-slider">
                                        <h2 class="FromTop captionDelay2">Welcome to
the <b>Pizza<span class="color">Express</span></b></h2>
                                        <div class="divider FromTop
captionDelay5"></div>
                                        <p class="FromTop
captionDelay8"><b>Amazing</b> and <b>delicious</b> Pizzas only with us!</p>
                                        <a href="#" class="read-more FromTop
captionDelay11">MENU</a>
                                    </div>
                                </li>
                            </ul>
                        </div>
                </div>

                <div class="contact-slider">
                    <div class="container">
                        <div class="row">
                            <div class="span12">
                                <div class="contact-slider-inner">
                                    <span class="serve">Open Today from 9 am to 9 pm</span>
                                    <span class="phone">Call us and find out more +44 852 852
888</span>
                                    <span class="address">252-258 Oxford St, London W1C 1DL,
United Kingdom</span>
                                </div>
                            </div><!-- /.span12 -->
                        </div><!-- /.row -->
                    </div><!-- /.container -->
                </div><!-- /.contact-slider -->
            </div><!-- /.top-slider -->
              <div class="entry-page">
                <!-- About -->
                <section id="about" class="roll-row about-section" style="padding-bottom: 0">
                    <div class="container">
                        <div class="row">
                            <div class="span12">
                                <div class="roll-titlebox orches-animation" data-
animation="fadeInLeft" data-animation-delay="0" data-animation-offset="75%">
                                    <h3 class="subtitle">About</h3>
                                    <h2 class="maintitle">SEE WHO WE ARE AND WHAT WE
OFFER!</h2>
                                </div><!-- /.roll-titlebox -->
                            </div><!-- /.span12 -->
                            <div class="span6">
                                <div style="margin-top: -40px;">
                                    <img src="images/girl.png" alt="image">
                                </div>
                            </div><!-- /.span6 -->
                            <div class="span6">
                                <p>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.</p>
                                <div class="roll-icon-list">
```

```
                            <div class="list-item">
                                <div class="icon">
                                    <img src="images/pizza.svg" alt="image" />
                                </div>
                                <div class="content">
                                    <h3><a href="#">We cook with passion</a></h3>
                                    <p>Nulla id tortor nec lectus feugiat ultricies.
Duis sit amet augue vitae dui bibendum rhoncus ut a justo. Maecenas sit amet mauris
metus. </p>
                                </div>
                            </div>
                            <div class="list-item">
                                <div class="icon">
                                    <img src="images/fork.svg" alt="image">
                                </div>
                                <div class="content">
                                    <h3><a href="#">We cook with passion</a></h3>
                                    <p>Nulla id tortor nec lectus feugiat ultricies.
Duis sit amet augue vitae dui bibendum rhoncus ut a justo. Maecenas sit amet mauris
metus. </p>
                                </div>
                            </div>
                            <div class="list-item">
                                <div class="icon">
                                    <img src="images/calendar.svg" alt="image">
                                </div>
                                <div class="content">
                                    <h3><a href="#">We cook with passion</a></h3>
                                    <p>Nulla id tortor nec lectus feugiat ultricies.
Duis sit amet augue vitae dui bibendum rhoncus ut a justo. Maecenas sit amet mauris
metus. </p>
                                </div>
                            </div>
                        </div><!-- /.roll-icon-list -->
                    </div><!-- /.span6 -->
                </div><!-- /.row -->
            </div><!-- /.container -->
        </section>

        <!-- Menu -->
        <section id="menu" class="roll-row menu-section parallax parallax-bg3">
            <div class="overlay v2"></div>
            <div class="container">
                <div class="row">
                    <div class="content-section">
                        <div class="span12" style="background: #f5f5f5; padding: 90px
103px 100px;">
                            <div class="roll-titlebox">
                                <h3 class="subtitle">Menu</h3>
                                <h2 class="maintitle">CHECK OUT OUR MENU AND SELECT
SOMETHING FOR EVERYONE</h2>
                            </div><!-- /.roll-titlebox -->
                            <div class="roll-menu">
                                <ul class="food-filter">
                                    <li><a data-filter=".breakfast"
href="#">BREAKFAST</a></li>
                                    <li><a data-filter=".soup" href="#">SOUP</a></li>
                                    <li><a data-filter=".grill"
href="#">GRILL</a></li>
                                    <li><a data-filter=".pasta"
href="#">PASTA</a></li>
```

```
                                    <li><a data-filter=".pizza"
href="#">PIZZA</a></li>
                                    <li><a data-filter=".drink"
href="#">DRINK</a></li>
                                </ul><!-- /.food-filter -->
                                <div class="food-wrap">
                                    <div class="food-item drink soup grill pasta
pizza">
                                        <div class="food-thumb">
                                            <a href="#"><img src="images/food/1.jpg"
alt="image"></a>
                                        </div>
                                        <div class="food-detail">
                                            <h3 class="food-name"><a
href="#">Alvarado</a></h3>
                                            <p class="food-info">Blackened Chicken,
Cherry Tomatoes, Green Pepper, Onion, <br>Marinara, Mozzarella &amp; Parmesan</p>
                                            <p class="food-price">$11.95</p>
                                            <ul class="food-rate">
                                                <li><i class="fa fa-star"></i></li>
                                                <li><i class="fa fa-star"></i></li>
                                                <li><i class="fa fa-star"></i></li>
                                                <li><i class="fa fa-star"></i></li>
                                                <li class="hide"><i class="fa fa-
star"></i></li>
                                            </ul>
                                        </div>
                                    </div><!-- /.food-item -->
                                    <div class="food-item breakfast soup drink grill
pizza">
                                        <div class="food-thumb">
                                            <a href="#"><img src="images/food/2.jpg"
alt="image"></a>
                                        </div>
                                        <div class="food-detail">
                                            <h3 class="food-name"><a
href="#">Berkeley</a></h3>
                                            <p class="food-info">Blackened Chicken,
Cherry Tomatoes, Green Pepper, Onion, <br>Marinara, Mozzarella &amp; Parmesan</p>
                                            <p class="food-price">$11.95</p>
                                            <ul class="food-rate">
                                                <li><i class="fa fa-star"></i></li>
                                                <li><i class="fa fa-star"></i></li>
                                                <li><i class="fa fa-star"></i></li>
                                                <li><i class="fa fa-star"></i></li>
                                                <li><i class="fa fa-star"></i></li>
                                            </ul>
                                        </div>
                                    </div><!-- /.food-item -->
                                    <div class="food-item soup breakfast pasta grill
pizza">
                                        <div class="food-thumb">
                                            <a href="#"><img src="images/food/3.jpg"
alt="image"></a>
                                        </div>
                                        <div class="food-detail">
                                            <h3 class="food-name"><a href="#">Bonie
Brae</a></h3>
                                            <p class="food-info">Blackened Chicken,
Cherry Tomatoes, Green Pepper, Onion, <br>Marinara, Mozzarella &amp; Parmesan</p>
                                            <p class="food-price">$11.95</p>
                                            <ul class="food-rate">
```

```
                                        <li><i class="fa fa-star"></i></li>
                                        <li><i class="fa fa-star"></i></li>
                                        <li><i class="fa fa-star"></i></li>
                                        <li class="hide"><i class="fa fa-
star"></i></li>
                                        <li class="hide"><i class="fa fa-
star"></i></li>
                                    </ul>
                                </div>
                            </div><!-- /.food-item -->
                            <div class="food-item drink breakfast pasta soup
pizza">
                                <div class="food-thumb">
                                    <a href="#"><img src="images/food/4.jpg"
alt="image"></a>
                                </div>
                                <div class="food-detail">
                                    <h3 class="food-name"><a href="#">Cero
Gordo</a></h3>
                                    <p class="food-info">Blackened Chicken,
Cherry Tomatoes, Green Pepper, Onion, <br>Marinara, Mozzarella &amp; Parmesan</p>
                                    <p class="food-price">$11.95</p>
                                    <ul class="food-rate">
                                        <li><i class="fa fa-star"></i></li>
                                        <li><i class="fa fa-star"></i></li>
                                        <li><i class="fa fa-star"></i></li>
                                        <li><i class="fa fa-star"></i></li>
                                        <li class="hide"><i class="fa fa-
star"></i></li>
                                    </ul>
                                </div>
                            </div><!-- /.food-item -->
                            <div class="food-item soup breakfast grill soup
pizza">
                                <div class="food-thumb">
                                    <a href="#"><img src="images/food/5.jpg"
alt="image"></a>
                                </div>
                                <div class="food-detail">
                                    <h3 class="food-name"><a
href="#">Douglas</a></h3>
                                    <p class="food-info">Blackened Chicken,
Cherry Tomatoes, Green Pepper, Onion, <br>Marinara, Mozzarella &amp; Parmesan</p>
                                    <p class="food-price">$11.95</p>
                                    <ul class="food-rate">
                                        <li><i class="fa fa-star"></i></li>
                                        <li><i class="fa fa-star"></i></li>
                                        <li><i class="fa fa-star"></i></li>
                                        <li><i class="fa fa-star"></i></li>
                                        <li><i class="fa fa-star"></i></li>
                                    </ul>
                                </div>
                            </div><!-- /.food-item -->
                            <div class="food-item breakfast grill soup pasta
drink">
                                <div class="food-thumb">
                                    <a href="#"><img src="images/food/6.jpg"
alt="image"></a>
                                </div>
                                <div class="food-detail">
                                    <h3 class="food-name"><a
href="#">Douglas</a></h3>
```

```
                                        <p class="food-info">Blackened Chicken,
Cherry Tomatoes, Green Pepper, Onion, <br>Marinara, Mozzarella &amp; Parmesan</p>
                                        <p class="food-price">$11.95</p>
                                        <ul class="food-rate">
                                            <li><i class="fa fa-star"></i></li>
                                            <li><i class="fa fa-star"></i></li>
                                            <li><i class="fa fa-star"></i></li>
                                            <li><i class="fa fa-star"></i></li>
                                            <li class="hide"><i class="fa fa-
star"></i></li>
                                        </ul>
                                    </div>
                                </div><!-- /.food-item -->
                            </div><!-- /.food-wrap -->
                            <div class="roll-button-group">
                                <a href="#" class="roll-button border">Load
more</a>
                            </div><!-- /.roll-button-group -->
                        </div><!-- /.roll-menu -->
                    </div><!-- /.span12 -->
                </div><!-- /.content-section -->
            </div><!-- /.row -->
        </div><!-- /.container -->
    </section>




    <!-- Reservation -->
    <section id="reservation" class="roll-row reservation-section parallax
parallax-bg8" style="color: #fff">
        <div class="overlay"></div>
        <div class="container">
            <div class="row">
                <div class="content-section comment-respond">
                    <div class="span6">
                        <div class="roll-reserve">
                            <form id="reserve-form" class="reserve-form contact-
form" method="post" action="./contact/includes/reserve-process.php">
                                <div class="note"></div>
                                <div class="input-wrap date">
                                    <input type="text" value="" tabindex="1"
placeholder="Pick a date *" name="date" id="datepicker">
                                    <span class="datepick"><i class="fa fa-angle-
down"></i></span>
                                </div>
                                <div class="input-wrap people">
                                    <input type="text" value="" tabindex="2"
placeholder="Number of People *" name="people" id="people">
                                </div>
                                <div class="input-wrap fullname">
                                    <input type="text" value="" tabindex="3"
placeholder="Fullname *" name="fullname" id="fullname">
                                </div>
                                <div class="input-wrap email">
                                    <input type="text" value="" tabindex="4"
placeholder="E-mail *" name="email" id="email">
                                </div>
                                <div class="input-wrap telephone">
```

```
                                        <input type="text" value="" tabindex="5"
placeholder="Telephone *" name="telephone" id="telephone">
                                    </div>
                                    <div class="textarea-wrap message">
                                        <textarea class="" tabindex="6"
placeholder="Message *" name="message" id="message"></textarea>
                                    </div>
                                    <div class="send-wrap">
                                        <input type="submit" value="Reservation"
id="submit" name="submit" class="submit">
                                    </div>
                                </form><!-- /.reserve-form -->
                            </div><!-- /.roll-reserve -->
                        </div><!-- /.span6 -->
                        <div class="span6">
                            <h4 class="roll-heading text-white">WHY BOOK A TABLE AT
OUR RESTAURANT?</h4>
                            <div class="roll-spacer small"></div>
                            <p>Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Donec non magna id purus suscipit pellentesque. Etiam in nisi in est egestas
tincidunt. Vivamus viverra maximus ante, vel ultricies metus accumsan a. Aliquam erat
volutpat. Curabitur placerat vehicula turpis eget rutrum. Maecenas malesuada, tellus
id auctor facilisis, mauris nulla feugiat purus, quis tincidunt neque sem auctor dui.
Praesent sagittis odio non tincidunt ornare.</p>
                            <p>Vestibulum nec diam id lacus tincidunt luctus nec vitae
odio. Maecenas pulvinar consequat enim at malesuada. Cum sociis natoque penatibus et
magnis dis parturient montes, nascetur ridiculus mus. </p>
                            <ul class="roll-infomation">
                                <li class="address">252-258 Oxford St, London W1C
1DL<br>United Kingdom</li>
                                <li class="phone">+44 256 256 258<br>+44 358 258
356</li>
                                <li
class="email">contact@zuparestaurant.com<br>reservation@zuparestaurant.com</li>
                            </ul>
                        </div><!-- /.span6 -->
                    </div><!-- /.content-section -->
                </div><!-- /.row -->
            </div><!-- /.container -->
        </section>

        <!-- Blog -->
        <section id="blog" class="roll-row blog-section parallax parallax-bg9">
            <div class="container">
                <div class="row">
                    <div class="content-section">
                        <div class="span12">
                            <div class="roll-titlebox">
                                <h3 class="subtitle">Blog</h3>
                                <h2 class="maintitle">THE LATEST NEWS FROM THE WORLD
OF CUSINE</h2>
                            </div><!-- /.roll-titlebox -->
                        </div><!-- /.span12 -->
                        <div class="span12">
                            <div class="roll-blog-slider" data-auto="false" data-
effect="slide" data-direction="horizotal">
                                <div class="roll-blog">
                                    <div class="thumb">
                                        <img src="images/blog/b1.jpg" alt="image">
                                        <div
class="date"><span>15</span><span>SEP</span></div>
                                    </div>
```

```
                                    <div class="content">
                                        <h2><a href="blog.html">Blog Post Article
1</a></h2>
                                        <p>Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Ut cursus dictum.</p>
                                        <a class="more" href="blog.html">READ MORE</a>
                                    </div>
                                </div>
                                <div class="roll-blog">
                                    <div class="thumb">
                                        <img src="images/blog/b2.jpg" alt="image">
                                        <div
class="date"><span>11</span><span>SEP</span></div>
                                    </div>
                                    <div class="content">
                                        <h2><a href="blog.html">Blog Post Article
2</a></h2>
                                        <p>Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Ut cursus dictum.</p>
                                        <a class="more" href="blog.html">READ MORE</a>
                                    </div>
                                </div>
                                <div class="roll-blog">
                                    <div class="thumb">
                                        <img src="images/blog/b3.jpg" alt="image">
                                        <div
class="date"><span>5</span><span>SEP</span></div>
                                    </div>
                                    <div class="content">
                                        <h2><a href="blog.html">Blog Post Article
3</a></h2>
                                        <p>Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Ut cursus dictum.</p>
                                        <a class="more" href="blog.html">READ MORE</a>
                                    </div>
                                </div>
                                <div class="roll-blog">
                                    <div class="thumb">
                                        <img src="images/blog/b4.jpg" alt="image">
                                        <div
class="date"><span>1</span><span>SEP</span></div>
                                    </div>
                                    <div class="content">
                                        <h2><a href="blog.html">Blog Post Article
4</a></h2>
                                        <p>Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Ut cursus dictum.</p>
                                        <a class="more" href="blog.html">READ MORE</a>
                                    </div>
                                </div>
                                <div class="roll-blog">
                                    <div class="thumb">
                                        <img src="images/blog/b1.jpg" alt="image">
                                        <div
class="date"><span>15</span><span>SEP</span></div>
                                    </div>
                                    <div class="content">
                                        <h2><a href="blog.html">Blog Post Article
1</a></h2>
                                        <p>Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Ut cursus dictum.</p>
                                        <a class="more" href="blog.html">READ MORE</a>
```

```
                                    </div>
                                </div>
                                <div class="roll-blog">
                                    <div class="thumb">
                                        <img src="images/blog/b2.jpg" alt="image">
                                        <div
class="date"><span>11</span><span>SEP</span></div>
                                    </div>
                                    <div class="content">
                                        <h2><a href="blog.html">Blog Post Article
2</a></h2>
                                        <p>Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Ut cursus dictum.</p>
                                        <a class="more" href="blog.html">READ MORE</a>
                                    </div>
                                </div>
                                <div class="roll-blog">
                                    <div class="thumb">
                                        <img src="images/blog/b3.jpg" alt="image">
                                        <div
class="date"><span>5</span><span>SEP</span></div>
                                    </div>
                                    <div class="content">
                                        <h2><a href="blog.html">Blog Post Article
3</a></h2>
                                        <p>Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Ut cursus dictum.</p>
                                        <a class="more" href="blog.html">READ MORE</a>
                                    </div>
                                </div>
                                <div class="roll-blog">
                                    <div class="thumb">
                                        <img src="images/blog/b4.jpg" alt="image">
                                        <div
class="date"><span>1</span><span>SEP</span></div>
                                    </div>
                                    <div class="content">
                                        <h2><a href="blog.html">Blog Post Article
4</a></h2>
                                        <p>Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Ut cursus dictum.</p>
                                        <a class="more" href="blog.html">READ MORE</a>
                                    </div>
                                </div>
                            </div><!-- /.roll-blog-slider -->
                        </div><!-- /.span12 -->
                    </div><!-- /.content-section -->
                </div><!-- /.row -->
            </div><!-- /.container -->
        </section>
    </div><!-- /.entry-page -->

</asp:Content>
```

about.aspx

```
<%@ Page Title="About - Pizza Express" Language="C#" MasterPageFile="~/PDMS.Master"
AutoEventWireup="true" CodeBehind="about.aspx.cs" Inherits="PDMS.WebForm2" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
</asp:Content>
```

```
<asp:Content ID="Content2" ContentPlaceHolderID="MainContent1" runat="server">

    <div class="entry-page">
        <!-- About -->
        <section id="about" class="roll-row about-section" style="padding-bottom: 0">
            <div class="container">
                <div class="row">
                    <div class="span12">
                        <div class="roll-titlebox orches-animation" data-
animation="fadeInLeft" data-animation-delay="0" data-animation-offset="75%">
                            <h3 class="subtitle">About</h3>
                            <h2 class="maintitle">SEE WHO WE ARE AND WHAT WE
OFFER!</h2>
                        </div><!-- /.roll-titlebox -->
                    </div><!-- /.span12 -->
                    <div class="span6">
                        <div style="margin-top: -40px;">
                            <img src="images/girl.png" alt="image">
                        </div>
                    </div><!-- /.span6 -->
                    <div class="span6">
                        <p>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.</p>
                        <div class="roll-icon-list">
                            <div class="list-item">
                                <div class="icon">
                                    <img src="images/pizza.svg" alt="image">
                                </div>
                                <div class="content">
                                    <h3><a href="#">We cook with passion</a></h3>
                                    <p>Nulla id tortor nec lectus feugiat ultricies.
Duis sit amet augue vitae dui bibendum rhoncus ut a justo. Maecenas sit amet mauris
metus. </p>
                                </div>
                            </div>
                            <div class="list-item">
                                <div class="icon">
                                    <img src="images/fork.svg" alt="image">
                                </div>
                                <div class="content">
                                    <h3><a href="#">We cook with passion</a></h3>
                                    <p>Nulla id tortor nec lectus feugiat ultricies.
Duis sit amet augue vitae dui bibendum rhoncus ut a justo. Maecenas sit amet mauris
metus. </p>
                                </div>
                            </div>
                            <div class="list-item">
                                <div class="icon">
                                    <img src="images/calendar.svg" alt="image">
                                </div>
                                <div class="content">
                                    <h3><a href="#">We cook with passion</a></h3>
                                    <p>Nulla id tortor nec lectus feugiat ultricies.
Duis sit amet augue vitae dui bibendum rhoncus ut a justo. Maecenas sit amet mauris
metus. </p>

                                </div>
```

```
                        </div>
                    </div><!-- /.roll-icon-list -->
                </div><!-- /.span6 -->
            </div><!-- /.row -->
    </div><!-- /.container -->
        </section>
        </div>

</asp:Content>
```

menu.aspx

```
<%@ Page Title="Menu - Pizza Express" Language="C#" MasterPageFile="~/PDMS.Master"
AutoEventWireup="true" CodeBehind="menu.aspx.cs" Inherits="PDMS.WebForm3" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="MainContent1" runat="server">

    <!-- Menu -->
        <section id="menu" class="roll-row menu-section parallax parallax-bg3">
            <div class="overlay v2"></div>
            <div class="container">
                <div class="row">
                    <div class="content-section">
                        <div class="span12" style="background: #f5f5f5; padding: 90px
103px 100px;">
                            <div class="roll-titlebox">
                                <h3 class="subtitle">Menu</h3>
                                <h2 class="maintitle">CHECK OUT OUR MENU AND SELECT
SOMETHING FOR EVERYONE</h2>
                            </div><!-- /.roll-titlebox -->
                            <div class="roll-menu">
                                <ul class="food-filter">
                                    <li><a data-filter=".breakfast"
href="#">BREAKFAST</a></li>
                                    <li><a data-filter=".soup" href="#">SOUP</a></li>
                                    <li><a data-filter=".grill"
href="#">GRILL</a></li>
                                    <li><a data-filter=".pasta"
href="#">PASTA</a></li>
                                    <li><a data-filter=".pizza"
href="#">PIZZA</a></li>
                                    <li><a data-filter=".drink"
href="#">DRINK</a></li>
                                </ul><!-- /.food-filter -->
                                <div class="food-wrap">
                                    <div class="food-item drink soup grill pasta
pizza">
                                        <div class="food-thumb">
                                            <a href="#"><img src="images/food/1.jpg"
alt="image"></a>
                                        </div>
                                        <div class="food-detail">
                                            <h3 class="food-name"><a
href="#">Alvarado</a></h3>
                                            <p class="food-info">Blackened Chicken,
Cherry Tomatoes, Green Pepper, Onion, <br>Marinara, Mozzarella &amp; Parmesan</p>
                                            <p class="food-price">$11.95</p>
                                            <ul class="food-rate">
                                                <li><i class="fa fa-star"></i></li>
```

```
                                        <li><i class="fa fa-star"></i></li>
                                        <li><i class="fa fa-star"></i></li>
                                        <li><i class="fa fa-star"></i></li>
                                        <li class="hide"><i class="fa fa-
star"></i></li>
                                    </ul>
                                </div>
                            </div><!-- /.food-item -->
                            <div class="food-item breakfast soup drink grill
pizza">
                                <div class="food-thumb">
                                    <a href="#"><img src="images/food/2.jpg"
alt="image"></a>
                                </div>
                                <div class="food-detail">
                                    <h3 class="food-name"><a
href="#">Berkeley</a></h3>
                                    <p class="food-info">Blackened Chicken,
Cherry Tomatoes, Green Pepper, Onion, <br>Marinara, Mozzarella &amp; Parmesan</p>
                                    <p class="food-price">$11.95</p>
                                    <ul class="food-rate">
                                        <li><i class="fa fa-star"></i></li>
                                        <li><i class="fa fa-star"></i></li>
                                        <li><i class="fa fa-star"></i></li>
                                        <li><i class="fa fa-star"></i></li>
                                        <li><i class="fa fa-star"></i></li>
                                    </ul>
                                </div>
                            </div><!-- /.food-item -->
                            <div class="food-item soup breakfast pasta grill
pizza">
                                <div class="food-thumb">
                                    <a href="#"><img src="images/food/3.jpg"
alt="image"></a>
                                </div>
                                <div class="food-detail">
                                    <h3 class="food-name"><a href="#">Bonie
Brae</a></h3>
                                    <p class="food-info">Blackened Chicken,
Cherry Tomatoes, Green Pepper, Onion, <br>Marinara, Mozzarella &amp; Parmesan</p>
                                    <p class="food-price">$11.95</p>
                                    <ul class="food-rate">
                                        <li><i class="fa fa-star"></i></li>
                                        <li><i class="fa fa-star"></i></li>
                                        <li><i class="fa fa-star"></i></li>
                                        <li class="hide"><i class="fa fa-
star"></i></li>
                                        <li class="hide"><i class="fa fa-
star"></i></li>
                                    </ul>
                                </div>
                            </div><!-- /.food-item -->
                            <div class="food-item drink breakfast pasta soup
pizza">
                                <div class="food-thumb">
                                    <a href="#"><img src="images/food/4.jpg"
alt="image"></a>
                                </div>
                                <div class="food-detail">
                                    <h3 class="food-name"><a href="#">Cero
Gordo</a></h3>
```

```
                                        <p class="food-info">Blackened Chicken,
Cherry Tomatoes, Green Pepper, Onion, <br>Marinara, Mozzarella &amp; Parmesan</p>
                                        <p class="food-price">$11.95</p>
                                        <ul class="food-rate">
                                            <li><i class="fa fa-star"></i></li>
                                            <li><i class="fa fa-star"></i></li>
                                            <li><i class="fa fa-star"></i></li>
                                            <li><i class="fa fa-star"></i></li>
                                            <li class="hide"><i class="fa fa-
star"></i></li>
                                        </ul>
                                    </div>
                                </div><!-- /.food-item -->
                                <div class="food-item soup breakfast grill soup
pizza">
                                    <div class="food-thumb">
                                        <a href="#"><img src="images/food/5.jpg"
alt="image"></a>
                                    </div>
                                    <div class="food-detail">
                                        <h3 class="food-name"><a
href="#">Douglas</a></h3>
                                        <p class="food-info">Blackened Chicken,
Cherry Tomatoes, Green Pepper, Onion, <br>Marinara, Mozzarella &amp; Parmesan</p>
                                        <p class="food-price">$11.95</p>
                                        <ul class="food-rate">
                                            <li><i class="fa fa-star"></i></li>
                                            <li><i class="fa fa-star"></i></li>
                                            <li><i class="fa fa-star"></i></li>
                                            <li><i class="fa fa-star"></i></li>
                                            <li><i class="fa fa-star"></i></li>
                                        </ul>
                                    </div>
                                </div><!-- /.food-item -->
                                <div class="food-item breakfast grill soup pasta
drink">
                                    <div class="food-thumb">
                                        <a href="#"><img src="images/food/6.jpg"
alt="image"></a>
                                    </div>
                                    <div class="food-detail">
                                        <h3 class="food-name"><a
href="#">Douglas</a></h3>
                                        <p class="food-info">Blackened Chicken,
Cherry Tomatoes, Green Pepper, Onion, <br>Marinara, Mozzarella &amp; Parmesan</p>
                                        <p class="food-price">$11.95</p>
                                        <ul class="food-rate">
                                            <li><i class="fa fa-star"></i></li>
                                            <li><i class="fa fa-star"></i></li>
                                            <li><i class="fa fa-star"></i></li>
                                            <li><i class="fa fa-star"></i></li>
                                            <li class="hide"><i class="fa fa-
star"></i></li>
                                        </ul>
                                    </div>
                                </div><!-- /.food-item -->
                            </div><!-- /.food-wrap -->
                            <div class="roll-button-group">
                                <a href="#" class="roll-button border">Load
more</a>
                            </div><!-- /.roll-button-group -->
                        </div><!-- /.roll-menu -->
```

```
                    </div><!-- /.span12 -->
                </div><!-- /.content-section -->
            </div><!-- /.row -->
        </div><!-- /.container -->
    </section>

</asp:Content>
```

Order Online (shop.aspx)

```
<%@ Page Title="" Language="C#" MasterPageFile="~/PDMS.Master" AutoEventWireup="true"
CodeFile="shop.aspx.cs" Inherits="shop" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="MainContent1" Runat="Server">
    <asp:Panel ID="pnlMenu" runat="server">
    </asp:Panel>
    <div style="clear:both;"></div>
</asp:Content>
```

shop.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;


public partial class shop : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        FillPage();
    }

    private void FillPage()
    {
        // Get a list of all products in the DB
        ProductModel productModel = new ProductModel();
        List<products> products = productModel.GetAllProducts();

        //Make sure products exist in database
        if (products != null)
        {
            //Create a new Panel with and Image Button and 2 labels for each product
            foreach(products prod in products)
            {
                Panel productPanel = new Panel();
                ImageButton imageButton = new ImageButton();
                Label lblName = new Label();
                Label lblPrice = new Label();

                //Set childcontrol properties
                imageButton.ImageUrl = "/Images/Products/" + prod.Image;
```

```
                imageButton.CssClass = "productImage";
                imageButton.PostBackUrl = "Product.aspx?ID=" + prod.ID;

                lblName.Text = prod.Name;
                lblName.CssClass = "productName";

                lblPrice.Text = "$" + prod.Price;
                lblPrice.CssClass = "productPrice";

                //Add child controls to Panel
                productPanel.Controls.Add(imageButton);
                productPanel.Controls.Add(new Literal { Text = "<br/>" });
                productPanel.Controls.Add(lblName);
                productPanel.Controls.Add(new Literal { Text = "<br/>" });
                productPanel.Controls.Add(lblPrice);

                //Add dynamic controls to static control
                pnlMenu.Controls.Add(productPanel);
            }
        }

        else
            pnlMenu.Controls.Add(new Literal { Text = "No products found!" });
    }

}
```

```
<%@ Page Title="Contact Us - Pizza Express" Language="C#"
MasterPageFile="~/PDMS.Master" AutoEventWireup="true" CodeBehind="contact-us.aspx.cs"
Inherits="PDMS.WebForm5" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="MainContent1" runat="server">

     <!-- Contact -->
        <section id="contact" class="roll-row roll-contact parallax-bg11">
            <div class="container">
                <div class="row">
                    <div class="content-section">
                        <div class="span12">
                            <div class="roll-titlebox">
                                <h3 class="subtitle">Contact</h3>
                                <h2 class="maintitle">CONTACT WITH US</h2>
                            </div><!-- /.roll-titlebox -->
                        </div><!-- /.span12 -->
                        <div class="span4 offset2">
                            <p>Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Nullam sagittis sapien sit amet lobortis pulvinar. Duis dapibus, nisl vitae
dictum pharetra, elit mauris blandit nulla, ac maximus felis turpis a diam. Praesent
aliquet bibendum nibh, placerat pharetra metus ullamcorper eget.</p>
                            <ul class="roll-infomation">
                                <li class="address">252-258 Oxford St, London W1C
1DL<br>United Kingdom</li>
                                <li class="phone">+44 256 256 258<br>+44 358 258
356</li>
                                <li
class="email">contact@zuparestaurant.com<br>reservation@zuparestaurant.com</li>
                                <li class="time"><span>Mon - Thur:</span> 8:00 am -
9:00 pm<br><span>Fri - Sat:</span> 10:00 am - 1:00 am<br><span>Sun:</span> 11:00 am -
10:00 pm</li>
                            </ul>
                            <ul class="roll-socials">
```

```
                                <li>
                                    <a href="#" target="_blank" title="Facebook'">
                                        <i class="fa fa-facebook"></i>
                                    </a>
                                </li>
                                <li>
                                    <a href="#" target="_blank" title="Twitter">
                                        <i class="fa fa-twitter"></i>
                                    </a>
                                </li>
                                <li>
                                    <a href="#" target="_blank" title="Tumblr">
                                        <i class="fa fa-tumblr"></i>
                                    </a>
                                </li>
                                <li>
                                    <a href="#" target="_blank" title="Pinterest">
                                        <i class="fa fa-pinterest"></i>
                                    </a>
                                </li>
                                <li>
                                    <a href="#" target="_blank" title="linkedin">
                                        <i class="fa fa-linkedin"></i>
                                    </a>
                                </li>
                                <li>
                                    <a href="#" target="_blank" title="google-plus">
                                        <i class="fa fa-google-plus"></i>
                                    </a>
                                </li>
                            </ul>
                        </div><!-- /.span6 -->
                        <div class="span4">
                            <form id="contact-form" class="contact-form" method="post"
action="./contact/includes/contact-process.php">
                                <div class="note"></div>
                                <div class="input-wrap">
                                    <input type="text" value="" tabindex="1"
placeholder="Name *" name="name" id="name1">
                                </div>
                                <div class="input-wrap">
                                    <input type="text" value="" tabindex="3"
placeholder="Email *" name="email" id="email1">
                                </div>
                                <div class="input-wrap">
                                    <input type="text" value="" tabindex="4"
placeholder="Telephone" name="telephone" id="telephone1">
                                </div>
                                <div class="message-wrap">
                                    <textarea class="" tabindex="5"
placeholder="Message *" name="message" id="message1"></textarea>
                                </div>
                                <div class="send-wrap">
                                    <input type="submit" value="SEND MESSAGE"
id="submit1" name="submit" class="submit">
                                </div>
                            </form><!-- /.comment-form -->
                        </div>
                    </div><!-- /.content-section -->
                </div><!-- /.row -->
            </div><!-- /.container -->
        </section>
```

```
</asp:Content>
```

blog.aspx

```
<%@ Page Title="Blog - Pizza Express" Language="C#" MasterPageFile="~/PDMS.Master"
AutoEventWireup="true" CodeBehind="blog.aspx.cs" Inherits="PDMS.WebForm6" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="MainContent1" runat="server">

    <!-- Page Title -->
    <section class="page-title-container">
        <div class="container page-title">
            <div class="page-title-wrapper">
                <div class="span6 page-title-captions">
                    <h1>Blog</h1>
                </div><!-- /.span6 -->
                <div class="span6 breadcrumbs">
                    <ul>
                        <li><a href="#">Home</a></li>
                        <li>Blog</li>
                    </ul>
                </div><!-- /.span6 -->
            </div>
        </div><!-- /.container -->
    </section>

    <!-- Single Post -->
    <section class="page-wrap blog-post single-post">
        <div class="container">
            <div class="row">
                <div class="span9">
                    <article class="post orches-animation clearfix" data-
animation="fadeInUp" data-animation-delay="0" data-animation-offset="75%">
                        <div class="feature-post roll-slider" data-auto="false" data-
effect="slide" data-direction="horizotal">
                            <div class="flexslider">
                                <ul class="slides">
                                    <li>
                                        <img src="images/blog/1.jpg" alt="image">
                                    </li>
                                    <li>
                                        <img src="images/blog/1.jpg" alt="image">
                                    </li>
                                    <li>
                                        <img src="images/blog/1.jpg" alt="image">
                                    </li>
                                </ul>
                            </div>
                        </div><!-- /.feature-post -->

                        <h2 class="title-post">
                            <a href="blog-single.aspx">Blog Post Article 1 – Gallery
Slider</a>
                        </h2><!-- /.title-post -->

                        <div class="entry-post">
                            <p>Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Cras et dolor ut metus efficitur facilisis. Curabitur commodo imperdiet aliquet.
Proin varius metus est, et rutrum quam ullamcorper a. Cras ultricies, tellus sed
dignissim consectetur, sapien elit malesuada mauris, vel accumsan nisl dui quis enim.
Vivamus luctus arcu commodo pretium mollis. Quisque lectus elit, ornare non odio
```

```
vitae, condimentum volutpat nibh. Pellentesque at efficitur orci. Ut mattis et dui et
dictum. Donec id vehicula ex. Sed leo turpis, blandit et tellus sit amet, rhoncus
mollis risus.</p>
                        </div><!-- /.entry-post -->

                        <div class="meta-post">
                            <span class="author">Post by <a href="#">Admin</a></span>
                            <span class="date">27 July 2014</span>
                            <span class="comment">21</span>
                            <span class="categories">
                                <a href="#">Fashion</a>,
                                <a href="#">Style</a>,
                                <a href="#">Paris</a>,
                                <a href="#">Clothes</a>
                            </span>
                            <div class="share-post clearfix">
                                <ul class="socials">
                                    <li><a href="#"><i class="fa fa-
facebook"></i></a></li>
                                    <li><a href="#"><i class="fa fa-
twitter"></i></a></li>
                                    <li><a href="#"><i class="fa fa-
tumblr"></i></a></li>
                                    <li><a href="#"><i class="fa fa-
linkedin"></i></a></li>
                                    <li><a href="#"><i class="fa fa-
dribbble"></i></a></li>
                                </ul>
                                <div class="share">
                                    Share this post on:
                                </div>
                            </div><!-- /.share-post -->
                        </div><!-- /.meta-post -->
                    </article>
                    <article class="post orches-animation clearfix" data-
animation="fadeInUp" data-animation-delay="0" data-animation-offset="75%">
                        <div class="feature-post" data-auto="false" data-
effect="slide" data-direction="horizotal">
                            <img src="images/blog/1.jpg" alt="image">
                        </div><!-- /.feature-post -->

                        <h2 class="title-post">
                            <a href="blog-single.aspx">Blog Post Article 2 – Standard
Post</a>
                        </h2><!-- /.title-post -->

                        <div class="entry-post">
                            <p>Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Cras et dolor ut metus efficitur facilisis. Curabitur commodo imperdiet aliquet.
Proin varius metus est, et rutrum quam ullamcorper a. Cras ultricies, tellus sed
dignissim consectetur, sapien elit malesuada mauris, vel accumsan nisl dui quis enim.
Vivamus luctus arcu commodo pretium mollis. Quisque lectus elit, ornare non odio
vitae, condimentum volutpat nibh. Pellentesque at efficitur orci. Ut mattis et dui et
dictum. Donec id vehicula ex. Sed leo turpis, blandit et tellus sit amet, rhoncus
mollis risus.</p>
                        </div><!-- /.entry-post -->

                        <div class="meta-post">
                            <span class="author">Post by <a href="#">Admin</a></span>
                            <span class="date">27 July 2014</span>
                            <span class="comment">21</span>
                            <span class="categories">
```

```
                                <a href="#">Fashion</a>,
                                <a href="#">Style</a>,
                                <a href="#">Paris</a>,
                                <a href="#">Clothes</a>
                            </span>
                            <div class="share-post clearfix">
                                <ul class="socials">
                                    <li><a href="#"><i class="fa fa-
facebook"></i></a></li>
                                    <li><a href="#"><i class="fa fa-
twitter"></i></a></li>
                                    <li><a href="#"><i class="fa fa-
tumblr"></i></a></li>
                                    <li><a href="#"><i class="fa fa-
linkedin"></i></a></li>
                                    <li><a href="#"><i class="fa fa-
dribbble"></i></a></li>
                                </ul>
                                <div class="share">
                                    Share this post on:
                                </div>
                            </div><!-- /.share-post -->
                        </div><!-- /.meta-post -->
                    </article>
                    <article class="post orches-animation clearfix" data-
animation="fadeInUp" data-animation-delay="0" data-animation-offset="75%">
                        <div class="feature-post" data-auto="false" data-
effect="slide" data-direction="horizotal">
                            <iframe
src="https://player.vimeo.com/video/24511323"></iframe>
                        </div><!-- /.feature-post -->

                        <h2 class="title-post">
                            <a href="blog-single.aspx">Blog Post Article 3 – Video
Post</a>
                        </h2><!-- /.title-post -->

                        <div class="entry-post">
                            <p>Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Cras et dolor ut metus efficitur facilisis. Curabitur commodo imperdiet aliquet.
Proin varius metus est, et rutrum quam ullamcorper a. Cras ultricies, tellus sed
dignissim consectetur, sapien elit malesuada mauris, vel accumsan nisl dui quis enim.
Vivamus luctus arcu commodo pretium mollis. Quisque lectus elit, ornare non odio
vitae, condimentum volutpat nibh. Pellentesque at efficitur orci. Ut mattis et dui et
dictum. Donec id vehicula ex. Sed leo turpis, blandit et tellus sit amet, rhoncus
mollis risus.</p>
                        </div><!-- /.entry-post -->

                        <div class="meta-post">
                            <span class="author">Post by <a href="#">Admin</a></span>
                            <span class="date">27 July 2014</span>
                            <span class="comment">21</span>
                            <span class="categories">
                                <a href="#">Fashion</a>,
                                <a href="#">Style</a>,
                                <a href="#">Paris</a>,
                                <a href="#">Clothes</a>
                            </span>
                            <div class="share-post clearfix">
                                <ul class="socials">
                                    <li><a href="#"><i class="fa fa-
facebook"></i></a></li>
```

```
                                    <li><a href="#"><i class="fa fa-
twitter"></i></a></li>
                                    <li><a href="#"><i class="fa fa-
tumblr"></i></a></li>
                                    <li><a href="#"><i class="fa fa-
linkedin"></i></a></li>
                                    <li><a href="#"><i class="fa fa-
dribbble"></i></a></li>
                                </ul>
                                <div class="share">
                                    Share this post on:
                                </div>
                            </div><!-- /.share-post -->
                        </div><!-- /.meta-post -->
                    </article>

                    <ul class="pagination">
                        <li class="active"><a href="#">1</a></li>
                        <li><a href="#">2</a></li>
                        <li><a href="#">3</a></li>
                        <li><a href="#">4</a></li>
                        <li><a href="#">5</a></li>
                    </ul>
                </div><!-- /.span9 -->

                <div class="span3 sidebar">
                    <div class="widget widget-search">
                        <form action="#" id="search-form" method="get">
                            <input type="text" id="s" class="search-input"
placeholder="Search The Blog">
                            <input type="submit" value="&#xf002;" id="search-submit">
                        </form>
                    </div><!-- /.widget-search -->

                    <div class="widget widget-categories">
                        <h5 class="widget-title">Categories</h5>
                        <ul class="categories unstyled">
                            <li><a href="#">Breakfast<span>35</span></a></li>
                            <li><a href="#">Dinner<span>9</span></a></li>
                            <li><a href="#">Fastfood<span>16</span></a></li>
                            <li><a href="#">Pasta<span>42</span></a></li>
                            <li><a href="#">Pizza<span>78</span></a></li>
                        </ul>
                    </div><!-- /.widget-categories -->

                    <div class="widget widget-recent-news">
                        <h5 class="widget-title">Recent News</h5>
                        <ul class="news unstyled">
                            <li>
                                <div class="thumb">
                                    <a href="#">
                                        <span class="overlay-pop"></span>
                                        <img src="images/blog/t1.jpg" alt="image">
                                    </a>
                                </div>
                                <div class="text">
                                    <h6><a href="#">Lorem ipsum dolor sit amet,
consectetur</a></h6>
                                    <p>Donec mi orci, vestibulum a auctor eu,
tristique a diam.</p>
                                </div>
                            </li>
```

```
                            <li>
                                <div class="thumb">
                                    <a href="#">
                                        <span class="overlay-pop"></span>
                                        <img src="images/blog/t2.jpg" alt="image">
                                    </a>
                                </div>
                                <div class="text">
                                    <h6><a href="#">Lorem ipsum dolor sit amet,
consectetur</a></h6>
                                    <p>Donec mi orci, vestibulum a auctor eu,
tristique a diam.</p>
                                </div>
                            </li>
                            <li>
                                <div class="thumb">
                                    <a href="#">
                                        <span class="overlay-pop"></span>
                                        <img src="images/blog/t3.jpg" alt="image">
                                    </a>
                                </div>
                                <div class="text">
                                    <h6><a href="#">Lorem ipsum dolor sit amet,
consectetur</a></h6>
                                    <p>Donec mi orci, vestibulum a auctor eu,
tristique a diam.</p>
                                </div>
                            </li>
                            <li>
                                <div class="thumb">
                                    <a href="#">
                                        <span class="overlay-pop"></span>
                                        <img src="images/blog/t4.jpg" alt="image">
                                    </a>
                                </div>
                                <div class="text">
                                    <h6><a href="#">Lorem ipsum dolor sit amet,
consectetur</a></h6>
                                    <p>Donec mi orci, vestibulum a auctor eu,
tristique a diam.</p>
                                </div>
                            </li>
                        </ul><!-- /.recents -->
                    </div><!-- /.widget-recent-news -->

                    <div class="widget widget-twitter">
                        <h5 class="widget-title">Twitter Post</h5>
                        <div class="latest-tweets" data-number="3" data-
username="envato" data-modpath="./twitter/index.php">
                        </div>
                    </div><!-- /.widget-twitter -->

                    <div class="widget widget-flickr">
                        <h5 class="widget-title">Flickr Photo</h5>
                        <ul class="flickr-photos unstyled"></ul>
                    </div><!-- /.widget-flickr -->
                </div><!-- /.span3 -->
            </div><!-- /.row -->
        </div><!-- /.container -->
    </section>

    <section class="roll-row parallax parallax-bg12">
```

```
        <div class="overlay"></div>
        <div class="container">
            <div class="row">
                <div class="content-section">
                    <div class="span12">
                        <div class="roll-callout-box">
                            <h3 class="title text-white">BACK TO OUR MENU AND SEE OUR
BEST SPECIALTIES</h3>
                            <div class="buttons">
                                <a href="#" class="roll-button border text-white">Back
to menu</a>
                            </div>
                        </div>
                    </div><!-- /.span12 -->
                </div><!-- /.content-section -->
            </div><!-- /.row -->
        </div><!-- /.container -->
    </section>

</asp:Content>
```

blog-single.aspx

```
<%@ Page Title="Blog - Pizza Express" Language="C#" MasterPageFile="~/PDMS.Master"
AutoEventWireup="true" CodeBehind="blog-single.aspx.cs" Inherits="PDMS.WebForm7" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="MainContent1" runat="server">

    <!-- Page Title -->
    <section class="page-title-container">
        <div class="container page-title">
            <div class="page-title-wrapper">
                <div class="span6 page-title-captions">
                    <h1>Blog</h1>
                </div><!-- /.span6 -->
                <div class="span6 breadcrumbs">
                    <ul>
                        <li><a href="#">Home</a></li>
                        <li><a href="#">Blog</a></li>
                        <li>Single Post</li>
                    </ul>
                </div><!-- /.span6 -->
            </div>
        </div><!-- /.container -->
    </section>

    <!-- Single Post -->
    <section class="page-wrap blog-post single-post">
        <div class="container">
            <div class="row">
                <div class="span9">
                    <article class="post orches-animation clearfix" data-
animation="fadeInUp" data-animation-delay="0" data-animation-offset="75%">
                        <div class="feature-post roll-slider" data-auto="false" data-
effect="slide" data-direction="horizotal">
                            <div class="flexslider">
                                <ul class="slides">
                                    <li>
                                        <img src="images/blog/1.jpg" alt="image" />
```

```
                                </li>
                                <li>
                                    <img src="images/blog/1.jpg" alt="image" />
                                </li>
                                <li>
                                    <img src="images/blog/1.jpg" alt="image" />
                                </li>
                            </ul>
                        </div>
                    </div><!-- /.feature-post -->

                    <h2 class="title-post">
                        <a href="blog-single.html">Blog Post Article</a>
                    </h2><!-- /.title-post -->

                    <div class="entry-post">
                        <p>Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Cras et dolor ut metus efficitur facilisis. Curabitur commodo imperdiet aliquet.
Proin varius metus est, et rutrum quam ullamcorper a. Cras ultricies, tellus sed
dignissim consectetur, sapien elit malesuada mauris, vel accumsan nisl dui quis enim.
Vivamus luctus arcu commodo pretium mollis. Quisque lectus elit, ornare non odio
vitae, condimentum volutpat nibh. Pellentesque at efficitur orci. Ut mattis et dui et
dictum. Donec id vehicula ex. Sed leo turpis, blandit et tellus sit amet, rhoncus
mollis risus. Aliquam tempor, sapien eget lacinia viverra, urna ligula dapibus urna,
et pretium lorem mi vel urna. Phasellus at metus dolor. Vestibulum molestie dignissim
sapien, sit amet fermentum nulla venenatis eu. In finibus dolor a arcu rutrum
pulvinar. Nam efficitur magna vel posuere faucibus.</p>
                        <p>Phasellus non dignissim neque. Aliquam erat volutpat.
Suspendisse non arcu maximus libero pharetra eleifend. In a lorem dignissim, tempor
sapien eu, congue mi. Cum sociis natoque penatibus et magnis dis parturient montes,
nascetur ridiculus mus. Donec fringilla metus ac sodales fringilla. Suspendisse
lobortis, est a tristique fringilla, nisi leo sagittis ante, at ultrices arcu purus in
neque. Vivamus id tortor in nunc malesuada ullamcorper eleifend ut turpis. Fusce a dui
quam.</p>
                        <div class="img-left">
                            <img src="images/blog/2.jpg" alt="image" width="265"
/>
                        </div>
                        <p>Mauris accumsan, nibh a sollicitudin accumsan, velit
erat sollicitudin urna, sed eleifend nunc lorem ut felis. Vestibulum ac mi enim.
Suspendisse blandit, arcu at iaculis rutrum, massa turpis pulvinar ligula, vitae
hendrerit est augue sit amet augue. Aliquam sed orci sit amet tortor rhoncus laoreet.
Ut dictum interdum efficitur. Etiam id risus non justo gravida tristique. Vestibulum
sed lectus odio. Aenean in turpis quis leo faucibus molestie. Pellentesque ac velit
quis ipsum molestie lobortis. Aenean sem mi, faucibus at facilisis ut, lobortis sed
ipsum. Aliquam erat volutpat. Praesent et convallis metus. </p>
                        <p>Mauris nec volutpat lacus. Donec eget justo feugiat,
vulputate nibh non, posuere urna. Vivamus dapibus justo justo. Nunc fermentum ex
mollis magna eleifend, sit amet porttitor est rutrum. Etiam id finibus nibh. Nullam
vel ornare dolor, nec tempor erat. Quisque facilisis dolor non mi euismod sodales.
Donec in elementum ante, ac venenatis nunc. Sed elementum erat justo, sed egestas
augue faucibus ut. Nam accumsan ex non metus vehicula tristique. Aliquam laoreet
sapien ac ipsum elementum facilisis.</p>
                        <div class="clearfix"></div>
                        <blockquote>Nulla egestas orci at nibh hendrerit congue.
Suspendisse quis imperdiet turpis, id dignissim purus. Donec id egestas velit, eget
molestie velit. Donec sed cursus leo, ut blandit arcu. Sed bibendum elit quis interdum
dictum. Etiam imperdiet magna felis, vel rhoncus magna laoreet sit amet.</blockquote>
                        <p>Mauris accumsan, nibh a sollicitudin accumsan, velit
erat sollicitudin urna, sed eleifend nunc lorem ut felis. Vestibulum ac mi enim.
Suspendisse blandit, arcu at iaculis rutrum, massa turpis pulvinar ligula, vitae
hendrerit est augue sit amet augue. Aliquam sed orci sit amet tortor rhoncus laoreet.
```

```
Ut dictum interdum efficitur. Etiam id risus non justo gravida tristique. Vestibulum
sed lectus odio. Aenean in turpis quis leo faucibus molestie. </p>
                        </div><!-- /.entry-post -->

                        <div class="meta-post">
                            <span class="author">Post by <a href="#">Admin</a></span>
                            <span class="date">27 July 2014</span>
                            <span class="comment">21</span>
                            <span class="categories">
                                <a href="#">Fashion</a>,
                                <a href="#">Style</a>,
                                <a href="#">Paris</a>,
                                <a href="#">Clothes</a>
                            </span>
                            <div class="share-post clearfix">
                                <ul class="socials">
                                    <li><a href="#"><i class="fa fa-
facebook"></i></a></li>
                                    <li><a href="#"><i class="fa fa-
twitter"></i></a></li>
                                    <li><a href="#"><i class="fa fa-
tumblr"></i></a></li>
                                    <li><a href="#"><i class="fa fa-
linkedin"></i></a></li>
                                    <li><a href="#"><i class="fa fa-
dribbble"></i></a></li>
                                </ul>
                                <div class="share">
                                    Share this post on:
                                </div>
                            </div><!-- /.share-post -->
                        </div><!-- /.meta-post -->
                    </article>

                    <div class="author-post clearfix">
                        <div class="author-avatar">
                            <img src="images/blog/p1.jpg" alt="image" />
                        </div>
                        <div class="author-info">
                            <div class="name">
                                <h6><a href="#">John Doe</a></h6>
                                <span>About the Author</span>
                            </div>
                            <p class="intro">Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Maecenas congue ligula sem, nec tristique massa pellentesque nec. Sed
in nulla eget ex ullamcorper blandit pharetra luctus odio. Maecenas enim leo, rutrum
non mollis id, ultrices vel lorem.</p>
                            <ul class="socials">
                                <li><a href="#"><i class="fa fa-
facebook"></i></a></li>
                                <li><a href="#"><i class="fa fa-twitter"></i></a></li>
                                <li><a href="#"><i class="fa fa-tumblr"></i></a></li>
                                <li><a href="#"><i class="fa fa-
linkedin"></i></a></li>
                                <li><a href="#"><i class="fa fa-google-
plus"></i></a></li>
                                <li><a href="#"><i class="fa fa-skype"></i></a></li>
                            </ul>
                        </div>
                    </div><!-- /.author-post -->

                    <div class="comment-post">
```

```
                        <div class="comment-list-wrap">
                            <h4 class="comment-title">3 Comments</h4>
                            <ul class="comment-list">
                                <li>
                                    <article class="comment">
                                        <div class="comment-avatar">
                                            <img src="images/blog/p2.jpg" alt="image">
                                        </div>
                                        <div class="comment-detail">
                                            <p class="comment-body">
                                                Lorem ipsum dolor sit amet,
consectetur adipiscing elit. Maecenas congue ligula sem, nec tristique massa
pellentesque nec. Sed in nulla eget ex ullamcorper blandit pharetra luctus odio.
Maecenas enim leo, rutrum non mollis id, ultrices vel lorem. Nam sit amet dui nec
magna finibus aliquam quis nec risus.
                                            </p>
                                            <div class="comment-meta">
                                                <span class="comment-author"><a
href="#">Mark Doe</a></span>
                                                <span class="comment-date">27 July
2014</span>
                                                <span class="comment-
website">www.yourdomain.com</span>
                                                <a href="#" class="comment-
reply">Reply</a>
                                            </div>
                                        </div>
                                    </article><!-- /.comment -->
                                    <ul class="children">
                                        <li>
                                            <article class="comment">
                                                <div class="comment-avatar">
                                                    <img src="images/blog/p3.jpg"
alt="image">
                                                </div>
                                                <div class="comment-detail">
                                                    <p class="comment-body">
                                                        Lorem ipsum dolor sit amet,
consectetur adipiscing elit. Maecenas congue ligula sem, nec tristique massa
pellentesque nec. Sed in nulla eget ex ullamcorper blandit pharetra luctus odio.
Maecenas enim leo, rutrum non mollis id, ultrices vel lorem. Nam sit amet dui nec
magna finibus aliquam quis nec risus.  Donec feugiat sapien tellus. In hendrerit
auctor nunc, a ultricies erat aliquet egestas.
                                                    </p>
                                                    <div class="comment-meta">
                                                        <span class="comment-
author"><a href="#">Mark Doe</a></span>
                                                        <span class="comment-date">27
July 2014</span>
                                                        <span class="comment-
website">www.yourdomain.com</span>
                                                        <a href="#" class="comment-
reply">Reply</a>
                                                    </div>
                                                </div>
                                            </article><!-- /.comment -->
                                        </li>
                                    </ul><!-- /.children -->
                                </li>
                                <li>
                                    <article class="comment">
                                        <div class="comment-avatar">
```

```
                                        <img src="images/blog/p4.jpg" alt="image">
                                    </div>
                                    <div class="comment-detail">
                                        <p class="comment-body">
                                            Lorem ipsum dolor sit amet,
consectetur adipiscing elit. Donec sed nulla quis ex faucibus varius. Morbi eleifend
rhoncus neque vel pellentesque. Phasellus pulvinar tortor a tristique blandit.
Maecenas nisi sem, rutrum at vestibulum a, consequat sit amet neque. Sed interdum
justo volutpat malesuada iaculis. In vel posuere libero. Praesent iaculis, libero at
aliquet tristique, ex sapien accumsan ipsum, et gravida odio diam eu magna. Cras at
convallis magna. Fusce posuere pulvinar ligula. Ut faucibus consequat turpis, nec
elementum dolor imperdiet eget. Curabitur facilisis nunc id ornare egestas. Phasellus
tristique iaculis quam, id finibus justo. Nulla faucibus convallis viverra. Ut sed
maximus ligula, non aliquet tortor. Nulla facilisi.
                                        </p>
                                        <div class="comment-meta">
                                            <span class="comment-author"><a
href="#">Mark Doe</a></span>
                                            <span class="comment-date">27 July
2014</span>
                                            <span class="comment-
website">www.yourdomain.com</span>
                                            <a href="#" class="comment-
reply">Reply</a>
                                        </div>
                                    </div>
                                </article><!-- /.comment -->
                            </li>
                        </ul><!-- /.comment-list -->
                    </div><!-- /.comment-list-wrap -->

                    <div id="respond" class="comment-respond">
                        <h4 class="comment-title">Add Comment</h4>
                        <form class="comment-form" id="comment-form" method="post"
action="#">
                            <div class="input-wrap name">
                                <input type="text" size="32" value="" tabindex="1"
placeholder="Your name" name="name" id="name">
                            </div>
                            <div class="input-wrap website">
                                <input type="text" size="32" value="" tabindex="2"
placeholder="Your website (optional)" name="website" id="website">
                            </div>
                            <div class="textarea-wrap comment">
                                <textarea class="" tabindex="3"
placeholder="Comment" name="comment" id="comment"></textarea>
                            </div>
                            <p class="submit-wrap submit-comment">
                                <input type="submit" value="Add Comment"
name="addcomment" id="add-comment" class="add-comment">
                            </p>
                        </form><!-- /.comment-form -->
                    </div><!-- /#respond -->
                </div><!-- /.comment-post -->
            </div><!-- /.span9 -->

            <div class="span3 sidebar">
                <div class="widget widget-search">
                    <form action="#" id="search-form" method="get">
                        <input type="text" id="s" class="search-input"
placeholder="Search The Blog">
                        <input type="submit" value="&#xf002;" id="search-submit">
```

```
                    </form>
                </div><!-- /.widget-search -->

                <div class="widget widget-categories">
                    <h5 class="widget-title">Categories</h5>
                    <ul class="categories unstyled">
                        <li><a href="#">Breakfast<span>35</span></a></li>
                        <li><a href="#">Dinner<span>9</span></a></li>
                        <li><a href="#">Fastfood<span>16</span></a></li>
                        <li><a href="#">Pasta<span>42</span></a></li>
                        <li><a href="#">Pizza<span>78</span></a></li>
                    </ul>
                </div><!-- /.widget-categories -->

                <div class="widget widget-recent-news">
                    <h5 class="widget-title">Recent News</h5>
                    <ul class="news unstyled">
                        <li>
                            <div class="thumb">
                                <a href="#">
                                    <span class="overlay-pop"></span>
                                    <img src="images/blog/t1.jpg" alt="image">
                                </a>
                            </div>
                            <div class="text">
                                <h6><a href="#">Lorem ipsum dolor sit amet,
consectetur</a></h6>
                                <p>Donec mi orci, vestibulum a auctor eu,
tristique a diam.</p>
                            </div>
                        </li>
                        <li>
                            <div class="thumb">
                                <a href="#">
                                    <span class="overlay-pop"></span>
                                    <img src="images/blog/t2.jpg" alt="image">
                                </a>
                            </div>
                            <div class="text">
                                <h6><a href="#">Lorem ipsum dolor sit amet,
consectetur</a></h6>
                                <p>Donec mi orci, vestibulum a auctor eu,
tristique a diam.</p>
                            </div>
                        </li>
                        <li>
                            <div class="thumb">
                                <a href="#">
                                    <span class="overlay-pop"></span>
                                    <img src="images/blog/t3.jpg" alt="image">
                                </a>
                            </div>
                            <div class="text">
                                <h6><a href="#">Lorem ipsum dolor sit amet,
consectetur</a></h6>
                                <p>Donec mi orci, vestibulum a auctor eu,
tristique a diam.</p>
                            </div>
                        </li>
                        <li>
                            <div class="thumb">
                                <a href="#">
```

```
                                    <span class="overlay-pop"></span>
                                    <img src="images/blog/t4.jpg" alt="image">
                                </a>
                            </div>
                            <div class="text">
                                <h6><a href="#">Lorem ipsum dolor sit amet,
consectetur</a></h6>
                                <p>Donec mi orci, vestibulum a auctor eu,
tristique a diam.</p>
                            </div>
                        </li>
                    </ul><!-- /.recents -->
                </div><!-- /.widget-recent-news -->

                <div class="widget widget-twitter">
                    <h5 class="widget-title">Twitter Post</h5>
                    <div class="latest-tweets" data-number="3" data-
username="envato" data-modpath="./twitter/index.php">
                    </div>
                </div><!-- /.widget-twitter -->

                <div class="widget widget-flickr">
                    <h5 class="widget-title">Flickr Photo</h5>
                    <ul class="flickr-photos unstyled"></ul>
                </div><!-- /.widget-flickr -->
            </div><!-- /.span3 -->
        </div><!-- /.row -->
    </div><!-- /.container -->
</section>

<section class="roll-row parallax parallax-bg12">
    <div class="overlay"></div>
    <div class="container">
        <div class="row">
            <div class="content-section">
                <div class="span12">
                    <div class="roll-callout-box">
                        <h3 class="title text-white">BACK TO OUR MENU AND SEE OUR
BEST SPECIALTIES</h3>
                        <div class="buttons">
                            <a href="#" class="roll-button border text-white">Back
to menu</a>
                        </div>
                    </div>
                </div><!-- /.span12 -->
            </div><!-- /.content-section -->
        </div><!-- /.row -->
    </div><!-- /.container -->
</section>

</asp:Content>
```

Product.aspx (Product Information Page)

```
<%@ Page Title="" Language="C#" MasterPageFile="~/PDMS.Master" AutoEventWireup="true"
CodeFile="Product.aspx.cs" Inherits="Product" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="MainContent1" Runat="Server">

    <table>
        <tr>
            <td rowspan="4">
                <asp:Image ID="imgProduct" runat="server" />
            </td>
            <td>
                <h2>
                    <asp:Label ID="lblTitle" runat="server"></asp:Label></h2>
                <hr />
            </td>
            <tr>
            <td>Product ID:<asp:Label ID="lblItemNr" runat="server"></asp:Label>
            </td>
        </tr>

        </tr>
        <tr>
            <td>Description<br /><br />
                <asp:Label ID="lblDescription" runat="server"></asp:Label>
            </td>
            <td style="margin-left: 10px">
                <asp:Label ID="lblPrice" runat="server"
CssClass="detailsPrice"></asp:Label><br />
                Quantity:<asp:DropDownList ID="ddlAmount"
runat="server"></asp:DropDownList><br />
                <asp:Button ID="btnAdd" runat="server" OnClick="btnAdd_Click"
Text="Add To Cart" />
                <br />
                <asp:Label ID="lblResult" runat="server"></asp:Label>
            </td>
        </tr>

        <tr>
            <td class="auto-style2"> <asp:Label ID="lblAvailable" runat="server"
CssClass="productPrice">Available!</asp:Label>
            </td>
        </tr>
    </table>

</asp:Content>
```

Product.aspx.cs

```
using Microsoft.AspNet.Identity;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

public partial class Product : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
```

```
    {
        FillPage();
    }

    protected void btnAdd_Click(object sender, EventArgs e)
    {
        if (!string.IsNullOrWhiteSpace(Request.QueryString["id"]))
        {
            string clientId = Context.User.Identity.GetUserId();
            if (clientId != null)
            {

                int id = Convert.ToInt32(Request.QueryString["id"]);
                int amount = Convert.ToInt32(ddlAmount.SelectedValue);

                cart addtocart = new cart
                {
                    amount = amount,
                    cust_id = clientId,
                    IsInCart = true,
                    product_id = id
                };

                CartModel model = new CartModel();
                lblResult.Text = model.InsertCart(addtocart);
            }
            else
            {
                lblResult.Text = "Please log in to order items";
            }
        }
    }

    private void FillPage()
    {
        //Get selected product data
        if (!string.IsNullOrWhiteSpace(Request.QueryString["id"]))
        {
            int id = Convert.ToInt32(Request.QueryString["id"]);
            ProductModel model = new ProductModel();
            products prodinfo = model.GetProduct(id);

            //Fill page with data
            lblTitle.Text = prodinfo.Name;
            lblDescription.Text = prodinfo.Description;
            lblPrice.Text = "Price per unit:<br/>£ " + prodinfo.Price;
            imgProduct.ImageUrl = "/Images/Products/" + prodinfo.Image;
            lblItemNr.Text = prodinfo.ID.ToString();

            //Fill amount list with numbers 1-20
            int[] amount = Enumerable.Range(1, 20).ToArray();
            ddlAmount.DataSource = amount;
            ddlAmount.AppendDataBoundItems = true;
            ddlAmount.DataBind();
        }
    }
}
```

register.aspx (Customer Registration Page)

```
<%@ Page Title="" Language="C#" MasterPageFile="~/PDMS.Master" AutoEventWireup="true"
CodeFile="register.aspx.cs" Inherits="admin_register" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="MainContent1" Runat="Server">

     <h4>Register a new user</h4>
    <hr />
    <p>
        <asp:Literal runat="server" ID="litStatusMessage" />
    </p>

    User name:<br />
    <asp:TextBox runat="server" ID="txtUserName" />  <br />

    Password:
    <br />
    <asp:TextBox runat="server" ID="txtPassword" TextMode="Password" /><br />

    Confirm password:
    <br />
    <asp:TextBox runat="server" ID="txtConfirmPassword" TextMode="Password" /><br />

    First Name:<br />
    <asp:TextBox runat="server" ID="txtFirstName" /><br />

    Last Name:<br />
    <asp:TextBox runat="server" ID="txtLastName" /><br />

    Address:<br />
    <asp:TextBox runat="server" ID="txtAddress" /><br />

    Email:<br />
    <asp:TextBox runat="server" ID="txtEmail" /><br />

    Phone:<br />
     <br />



    <p>
        <asp:Button ID="btnRegister" runat="server" Text="Register"
OnClick="btnRegister_Click" />
    </p>
</asp:Content>
```

register.aspx.cs

```
using Microsoft.AspNet.Identity;
using Microsoft.AspNet.Identity.EntityFramework;
using Microsoft.Owin.Security;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

public partial class admin_register : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }

    protected void btnRegister_Click(object sender, EventArgs e)
    {
        // Default UserStore constructor uses the default connection string named:
DefaultConnection
        var userStore = new UserStore<IdentityUser>();

        //Set ConnectionString to GarageConnectionString
        userStore.Context.Database.Connection.ConnectionString =

System.Configuration.ConfigurationManager.ConnectionStrings["pdmsConnStr"].ConnectionS
tring;
        var manager = new UserManager<IdentityUser>(userStore);

        //Create new user and try to store in DB.
        var user = new IdentityUser { UserName = txtUserName.Text };

        if (txtPassword.Text == txtConfirmPassword.Text)
        {
            try
            {
                IdentityResult result = manager.Create(user, txtPassword.Text);
                if (result.Succeeded)
                {

                    //Store user in DB
                    var authenticationManager =
HttpContext.Current.GetOwinContext().Authentication;
                    var userIdentity = manager.CreateIdentity(user,
DefaultAuthenticationTypes.ApplicationCookie);

                    //If succeedeed, log in the new user and set a cookie and redirect
to homepage
                    authenticationManager.SignIn(new AuthenticationProperties(),
userIdentity);
                    Response.Redirect("order-online.aspx");
                }
                else
                {
                    litStatusMessage.Text = result.Errors.FirstOrDefault();
                }
            }
            catch (Exception ex)
            {
```

```
                litStatusMessage.Text = ex.ToString();
            }
        }
        else
        {
            litStatusMessage.Text = "Passwords must match!";
        }
    }
}
```

login.aspx(Customer Login Page)

```
<%@ Page Title="" Language="C#" MasterPageFile="~/PDMS.Master" AutoEventWireup="true"
CodeFile="login.aspx.cs" Inherits="login" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="MainContent1" Runat="Server">

    <h4>Log In</h4><hr />
    <asp:Literal runat="server" ID="litErrorMsg" Text="Invalid username or password."
Visible="false" />
    <asp:Label runat="server" AssociatedControlID="txtUserName">User name</asp:Label>
    <br />
    <asp:TextBox runat="server" ID="txtUserName" CssClass="inputs" />
    <br />
    <asp:Label runat="server" AssociatedControlID="txtPassword">Password</asp:Label>
    <br />
    <asp:TextBox runat="server" ID="txtPassword" TextMode="Password" CssClass="inputs"
/>
    <br />
    <asp:Button ID="btnSignIn" runat="server" Text="Login"
OnClick="btnSignIn_OnClick"/>

</asp:Content>
```

login.aspx.cs

```
using Microsoft.AspNet.Identity;
using Microsoft.AspNet.Identity.EntityFramework;
using Microsoft.Owin.Security;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

public partial class login : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }

    protected void btnSignIn_OnClick(object sender, EventArgs e)
    {
        UserStore<IdentityUser> userStore = new UserStore<IdentityUser>();
```

```
        userStore.Context.Database.Connection.ConnectionString =
            System.Configuration.ConfigurationManager.
            ConnectionStrings["pdmsConnStr"].ConnectionString;

        UserManager<IdentityUser> manager = new UserManager<IdentityUser>(userStore);

        var user = manager.Find(txtUserName.Text, txtPassword.Text);

        if (user != null)
        {
            //Call OWIN functionality
            var authenticationManager =
HttpContext.Current.GetOwinContext().Authentication;
            var userIdentity = manager.CreateIdentity(user,
DefaultAuthenticationTypes.ApplicationCookie);

            //Sign in user
            authenticationManager.SignIn(new AuthenticationProperties
            {
                IsPersistent = false
            }, userIdentity);

            //Redirect user to homepage
            Response.Redirect("Default.aspx");
        }
        else
        {
            litErrorMsg.Text = "Invalid username or password";
        }
    }


}
```

ShoppingCart.aspx(Page where customers can review their order before proceeding to pay for them)

```
<%@ Page Title="Review Order" Language="C#" MasterPageFile="~/PDMS.Master"
AutoEventWireup="true" CodeFile="ShoppingCart.aspx.cs" Inherits="ShoppingCart" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="MainContent1" Runat="Server">

    <asp:Panel ID="pnlShoppingCart" runat="server">
    </asp:Panel>
        <table>
            <tr>
                <td>
                    <b>Total: </b>
                </td>
                <td>
                    <asp:Literal ID="litTotal" runat="server" Text=""></asp:Literal>
                </td>
            </tr>

            <tr>
                <td>
                    <b>Vat: </b>
```

```
                </td>
                <td>
                    <asp:Literal ID="litVat" runat="server" Text="" />
                </td>
            </tr>
            <tr>
                <td>
                    <b>Shipping: </b>
                </td>
                <td>
                    £ 15
                </td>
            </tr>

            <tr>
                <td>
                    <b>Total Amount: </b>
                </td>
                <td>
                    <asp:Literal ID="litTotalAmount" runat="server" Text="" />
                </td>
            </tr>

            <tr>
                <td>
                    <br />
                    <asp:LinkButton ID="lnkContinue" runat="server"
PostBackUrl="~/shop.aspx">Continue Shopping</asp:LinkButton>    or
                    <asp:Button ID="btnCheckout" runat="server" Text="Proceed to
CheckOut" PostBackUrl="~/Success.aspx" />

                </td>
            </tr>

        </table>

</asp:Content>
```

ShoppingCart.aspx.cs

```
using Microsoft.AspNet.Identity;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

public partial class ShoppingCart : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        //Check if user is logged in
        string userId = User.Identity.GetUserId();
```

```
    //Display all items in user's cart.
    GetPurchasesInCart(userId);
}

protected void Delete_Item(object sender, EventArgs e)
{
    LinkButton selectedLink = (LinkButton)sender;
    string link = selectedLink.ID.Replace("del", "");
    int cartId = Convert.ToInt32(link);

    var cartModel = new CartModel();
    cartModel.DeleteCart(cartId);

    Response.Redirect("ShoppingCart.aspx");
}

private void ddlAmount_SelectedIndexChanged(object sender, EventArgs e)
{
    //Get ID of product that has had its quantity dropdownlist changed.
    DropDownList selectedList = (DropDownList)sender;
    int cartId = Convert.ToInt32(selectedList.ID);
    int quantity = Convert.ToInt32(selectedList.SelectedValue);

    //Update purchase with new quantity and refresh page
    CartModel cartModel = new CartModel();
    cartModel.UpdateQuantity(cartId, quantity);
    Response.Redirect("ShoppingCart.aspx");
}

private void GetPurchasesInCart(string userId)
{
    CartModel cartModel = new CartModel();
    double subTotal = 0;

    //Get all purchases for current user and display in table
    List<cart> purchaseList = cartModel.GetOrdersInCart(userId);
    CreateShopTable(purchaseList, out subTotal);

    //Add totals to webpage
    double vat = subTotal * 0.14;
    double totalAmount = subTotal + 15 + vat;


    //Di
    litTotal.Text = "£ " + subTotal;
    litVat.Text = "£ " + vat;
    litTotalAmount.Text = "£ " + totalAmount;


}

private void CreateShopTable(List<cart> purchaseList, out double subTotal)
{
    subTotal = new Double();
    ProductModel model = new ProductModel();
}

private void CreateShopTable(IEnumerable<cart> carts, out double subTotal)
{
    subTotal = new double();
    ProductModel model = new ProductModel();
```

```
        foreach (cart cartlist in carts)
        {
            //Create HTML elements and fill values with database data
            product cartproduct = model.GetProduct(cartlist.product_id);

            ImageButton btnImage = new ImageButton
            {
                ImageUrl = string.Format("/Images/Products/{0}", cartproduct.Image),
                PostBackUrl = string.Format("/Product.aspx?ID={0}", cartproduct.ID)
            };

            //Create the delete Link
            LinkButton lnkDelete = new LinkButton
            {
                PostBackUrl = string.Format("ShoppingCart.aspx?productId={0}",
cartlist.ID),
                Text = "Delete Item",
                ID = "del" + cartlist.ID,
            };

            //Add OnClick Event
            lnkDelete.Click += Delete_Item;

            //Create the Quantity DropDownList
            //Fill amount list with numbers 1-20
            int[] amount = Enumerable.Range(1, 20).ToArray();
            DropDownList ddlAmount = new DropDownList
            {
                DataSource = amount,
                AppendDataBoundItems = true,
                AutoPostBack = true,
                ID = cartlist.ID.ToString()
            };
            ddlAmount.DataBind();
            ddlAmount.SelectedValue = cartlist.amount.ToString();
            ddlAmount.SelectedIndexChanged += ddlAmount_SelectedIndexChanged;

            //Create table to hold shopping cart details
            Table table = new Table { CssClass = "CartTable" };
            TableRow row1 = new TableRow();
            TableRow row2 = new TableRow();

            TableCell cell1_1 = new TableCell { RowSpan = 2, Width = 50 };
            TableCell cell1_2 = new TableCell
            {
                Text = string.Format("<h4>{0}</h4><br />{1}<br/>In Stock",
                cartproduct.Name, "Item No:" + cartproduct.ID),
                HorizontalAlign = HorizontalAlign.Left,
                Width = 350,
            };
            TableCell cell1_3 = new TableCell { Text = "Unit Price<hr/>" };
            TableCell cell1_4 = new TableCell { Text = "Quantity<hr/>" };
            TableCell cell1_5 = new TableCell { Text = "Item Total<hr/>" };
            TableCell cell1_6 = new TableCell();

            TableCell cell2_1 = new TableCell();
            TableCell cell2_2 = new TableCell { Text = "£ " + cartproduct.Price };
            TableCell cell2_3 = new TableCell();
            TableCell cell2_4 = new TableCell { Text = "£ " + ((cartlist.amount *
cartproduct.Price)) };
            TableCell cell2_5 = new TableCell();
```

```
            //Set custom controls
            cell1_1.Controls.Add(btnImage);
            cell1_6.Controls.Add(lnkDelete);
            cell2_3.Controls.Add(ddlAmount);

            //Add rows & cells to table
            row1.Cells.Add(cell1_1);
            row1.Cells.Add(cell1_2);
            row1.Cells.Add(cell1_3);
            row1.Cells.Add(cell1_4);
            row1.Cells.Add(cell1_5);
            row1.Cells.Add(cell1_6);

            row2.Cells.Add(cell2_1);
            row2.Cells.Add(cell2_2);
            row2.Cells.Add(cell2_3);
            row2.Cells.Add(cell2_4);
            row2.Cells.Add(cell2_5);
            table.Rows.Add(row1);
            table.Rows.Add(row2);
            pnlShoppingCart.Controls.Add(table);

        }


            //Add total of current purchased item to subtotal
            subTotal += (cartlist.Amount * carts.Price);

        //Add selected objects to Session
        Session[User.Identity.GetUserId()] = carts;
    }


    }


}}
```

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.Mast er (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)

Admin.master (Main Template Page)

```
<%@ Master Language="C#" AutoEventWireup="true" CodeFile="Admin.master.cs"
Inherits="admin_Admin" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Admin - Pizza Express</title>
    <meta name="description" content="" />
   <meta name="keywords" content="" />
   <meta name="author" content="" />

   <!-- Mobile Specific Metas -->
   <meta name="viewport" content="width=device-width, initial-scale=1, maximum-
scale=1" />

   <!-- Bootstrap  -->
   <link rel="stylesheet" type="text/css" href="~/stylesheets/bootstrap.css" />

   <!-- Theme Style -->
    <link rel="stylesheet" type="text/css" href="~/stylesheets/style.css" />
    <!-- Colors -->
   <link rel="stylesheet" type="text/css" href="~/stylesheets/colors/color1.css"
id="colors" />

   <!-- Animation Style -->
   <link rel="stylesheet" type="text/css" href="~/stylesheets/animate.css" />

   <!-- Google Fonts -->
   <link
href='http://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400italic,600,700
' rel='stylesheet' type='text/css' />
   <link href='http://fonts.googleapis.com/css?family=Raleway:400,500,600,700'
rel='stylesheet' type='text/css' />
```

```
   <!-- Favicon and touch icons  -->
   <link href="~/icon/apple-touch-icon-144-precomposed.png" rel="apple-touch-icon-
precomposed" sizes="144x144" />
   <link href="~/icon/apple-touch-icon-114-precomposed.png" rel="apple-touch-icon-
precomposed" sizes="114x114" />
   <link href="~/icon/apple-touch-icon-72-precomposed.png" rel="apple-touch-icon-
precomposed" sizes="72x72" />
   <link href="~/icon/apple-touch-icon-57-precomposed.png" rel="apple-touch-icon-
precomposed" />
   <link href="~/icon/favicon.png" rel="shortcut icon" />

   <!--[if lt IE 9]>
      <script src="javascript/html5shiv.js"></script>
      <script src="javascript/respond.min.js"></script>
   <![endif]-->
    <asp:ContentPlaceHolder id="head" runat="server">
    </asp:ContentPlaceHolder>
</head>
<body>
    <div id="top"></div>
    <!-- Parallax Fullscreen -->
   <div id="top-slider" class="parallax-bg1 parallax">
        <div class="overlay"></div>

        <header id="header" class="header header-sticky">
            <div class="header-wrap">
                <div class="container">
                    <div class="row">
                        <div class="span2">
                            <div id="logo" class="logo">
                                <a href="Default.aspx" rel="home">
                                    <img src="/images/logo.png" />
                                </a>
                            </div><!-- /.logo -->
                        </div>
                        <div class="span10">
                            <div class="btn-menu"></div><!-- //mobile menu button -->
                            <nav id="mainnav" class="mainnav">
                                <ul class="menu">
                                    <li><a id="ActiveMenu" runat="server"
href="Default.aspx">Home</a></li>
                                    <li><a id="ActiveMenu2" runat="server"
href="about.aspx">About</a></li>
                                    <li><a id="ActiveMenu3" runat="server"
href="menu.aspx">Menu</a></li>
                                    <li><a id="ActiveMenu4" runat="server"
href="shop.aspx">Order Online</a></li>
                                    <li><a id="ActiveMenu5" runat="server"
href="contact-us.aspx">Contact Us</a></li>
                                    <li><a id="ActiveMenu6" runat="server"
href="blog.aspx">Blog</a></li>

                                </ul><!-- /.menu -->
                            </nav><!-- /.mainnav -->
                        </div><!-- /.span10 -->
                    </div><!-- /.row -->
                </div><!-- /.container -->
            </div><!-- /.header-wrap -->
        </header><!-- /.header -->
       </div>
    <form id="form1" runat="server">
    <div>
```

```
        <nav id="adminnav">
                                <ul class="menu">
                                    <li><a runat="server" href="admin-
main.aspx">Home</a></li>
                                    <li><a runat="server"
href="manage_products.aspx">Products</a></li>
                                    <li><a runat="server"
href="manage_prodtype.aspx">Product Type</a></li>
                                    <li><a runat="server" href="add_user">Add New
User</a></li>
                                    <li><a runat="server" href="#">Contact Us</a></li>
                                    <li><a runat="server" href="#">Blog</a></li>

                                </ul><!-- /.menu -->
                            </nav><!-- /.mainnav -->
        <div class="entry-page" style="margin-left:20%;">

        <asp:ContentPlaceHolder ID="AdminContent" runat="server">

        </asp:ContentPlaceHolder>
            </div>
    </div>
    </form>
    <!-- Subscribe -->
        <section id="subscribe" class="roll-row subscribe-section" style="padding:
75px 0; background-color: #d91d1d">
            <div class="container">
                <div class="row">
                    <div class="content-section">
                        <div class="span12">
                            <div class="mail-subscribe dark">
                                <div class="text">
                                    <h2>SUBSCRIBE US</h2>
                                    <p>Subscribe to us and be always up to date!</p>
                                </div><!-- /.text -->
                                <form method="post" action="#" id="subscribe-form"
data-mailchimp="true">
                                    <div id="subscribe-content">
                                        <div class="input-wrap email-sub">
                                            <input type="text" id="subscribe-email"
name="subscribe-email" placeholder="Enter your e-mail address" />
                                        </div>
                                        <div class="button-wrap">
                                            <button type="button" id="subscribe-
button" class="" title="Subscribe now">SUBSCRIBE</button>
                                        </div>
                                    </div>
                                    <div id="subscribe-msg"></div>
                                </form><!-- /#subscribe-form -->
                                <div class="clearfix"></div>
                            </div><!-- /.mail-subscribe -->
                        </div><!-- /.span12 -->
                    </div><!-- /.content-section -->
                </div><!-- /.row -->
            </div><!-- /.container -->
        </section>

        <div id="map" style="width: 100%; height: 250px">
        </div><!-- /map -->

        <footer class="footer simple">
            <div class="container">
```

```
                <div class="row">
                    <div class="content-section">
                        <div class="span12">
                            <h4 class="thanks">THANK YOU AND WELCOME BACK!</h4>
                            <p class="copyr">All Right Reserved • ZupaRestaurant •
2014</p>
                        </div><!-- /.span12 -->
                    </div><!-- /.content-section -->
                </div><!-- /.row -->
            </div><!-- /.container -->
        </footer>

        <div class="bottom">
            <div class="container">
                <div class="row">
                    <div class="span12">
                        <ul class="roll-socials">
                            <li>
                                <a href="#" target="_blank" title="Facebook'"><i
class="fa fa-facebook"></i></a>
                            </li>
                            <li>
                                <a href="#" target="_blank" title="Twitter"><i
class="fa fa-twitter"></i></a>
                            </li>
                            <li>
                                <a href="#" target="_blank" title="Tumblr"><i
class="fa fa-tumblr"></i></a>
                            </li>
                            <li>
                                <a href="#" target="_blank" title="Pinterest"><i
class="fa fa-pinterest"></i></a>
                            </li>
                            <li>
                                <a href="#" target="_blank" title="linkedin"><i
class="fa fa-linkedin"></i></a>
                            </li>
                            <li>
                                <a href="#" target="_blank" title="google-plus"><i
class="fa fa-google-plus"></i></a>
                            </li>
                        </ul>
                    </div><!-- /.span12 -->
                </div><!-- /.row -->
            </div><!-- /.container -->
        </div><!-- /.bottom -->
    <!-- Go Top -->
    <a class="go-top">
        <i class="fa fa-angle-up"></i>
    </a>

    <!-- Javascript -->
    <script type="text/javascript" src="javascript/jquery.min.js"></script>
    <script type="text/javascript" src="javascript/bootstrap.min.js"></script>
    <script type="text/javascript" src="javascript/jquery.easing.js"></script>
    <script type="text/javascript" src="javascript/matchMedia.js"></script>
    <script type="text/javascript" src="javascript/jquery-waypoints.js"></script>
    <script type="text/javascript" src="javascript/jquery.bxslider.js"></script>
    <script type="text/javascript" src="javascript/parallax.js"></script>
    <script type="text/javascript" src="javascript/imagesloaded.min.js"></script>
    <script type="text/javascript" src="javascript/jquery.isotope.min.js"></script>
    <script type="text/javascript" src="javascript/jquery.sticky.js"></script>
```

```
    <script type="text/javascript" src="javascript/jquery.flexslider-min.js"></script>
    <script type="text/javascript" src="javascript/owl.carousel.min.js"></script>
    <script type="text/javascript" src="javascript/jquery.countdown.js"></script>

    <script type="text/javascript" src="javascript/jquery-ui-datepicker.js"></script>

    <script>
    $(function() {
    $( "#datepicker" ).datepicker();
    });
    </script>

    <script type="text/javascript" src="javascript/jquery.transit.js"></script>
    <script type="text/javascript" src="javascript/jquery.tweet.min.js"></script>
    <script type="text/javascript" src="javascript/jflickrfeed.min.js"></script>
    <script type="text/javascript"
src="https://maps.googleapis.com/maps/api/js?sensor=false"></script>
    <script type="text/javascript" src="javascript/gmap3.min.js"></script>
    <script type="text/javascript" src="javascript/main.js"></script>
</body>
</html>
```

admin-main.aspx (Admin Dashboard Main Page)

```
<%@ Page Title="Dashboard - Pizza Express Admin" Language="C#"
MasterPageFile="/admin/Admin.master" AutoEventWireup="true" CodeFile="admin-
main.aspx.cs" Inherits="admin_admin_main" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="AdminContent" Runat="Server">

        <!--Dashboard-->

        <div class="container-fluid">
                <div class="row">
    <h2>Dashboard</h2>
    <p>Welcome to the Pizza Express Admin Panel</p>
        </div><!-- /.row -->
    </div><!-- /.container -->


</asp:Content>
```

manage_products.aspx

```
<%@ Page Title="Manage Products - Pizza Express Admin" Language="C#"
MasterPageFile="/admin/Admin.Master" AutoEventWireup="true"
CodeFile="manage_products.aspx.cs" Inherits="admin_manage_products" Debug="True" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="AdminContent" Runat="Server">
    <h2>Add Products</h2>
     <p>
        Name:
        <asp:TextBox ID="txtName" runat="server" Height="29px"
Width="209px"></asp:TextBox>
```

```
     </p>
    <p>
        Type: 
        <asp:DropDownList ID="ddlType" runat="server" DataTextField="Name"
DataValueField="ID" Height="50px" Width="249px" DataSourceID="SqlDataSource2"
OnSelectedIndexChanged="btnaddprod_Click">
        </asp:DropDownList>

        <asp:SqlDataSource ID="SqlDataSource2" runat="server" ConnectionString="<%$
ConnectionStrings:pdmsConnStr %>" SelectCommand="SELECT * FROM
[ProductType]"></asp:SqlDataSource>

     </p>
    <p>
        Price: 
        <asp:TextBox ID="txtPrice" runat="server" Height="25px"
Width="205px"></asp:TextBox>
     </p>
    <p>
        Image:
        <asp:DropDownList ID="ddlImage" runat="server" Height="37px" Width="246px">
        </asp:DropDownList>
     </p>
    <p>
        Description: 
        <asp:TextBox ID="txtDescription" runat="server" Height="86px"
TextMode="MultiLine" Width="262px"></asp:TextBox>
     </p>
    <p>
        <asp:Button ID="btnaddprod" runat="server" Text="Add Product"
OnClick="btnaddprod_Click" />
    </p>
    <p>
        <asp:Label ID="lblResult" runat="server"></asp:Label>
    </p>
     <p>
         <asp:GridView ID="grdProducts" runat="server" AutoGenerateColumns="False"
DataKeyNames="ID" DataSourceID="SqlDataSource1" Width="70%" AllowPaging="True"
AutoGenerateDeleteButton="True" AutoGenerateEditButton="True"
EnableSortingAndPagingCallbacks="True" OnRowEditing="grdProducts_RowEditing"
AllowSorting="True">
             <AlternatingRowStyle BorderStyle="Solid" />
             <Columns>
                 <asp:BoundField DataField="ID" HeaderText="ID" InsertVisible="False"
ReadOnly="True" SortExpression="ID" />
                 <asp:BoundField DataField="ProdType" HeaderText="ProdType"
SortExpression="ProdType" />
                 <asp:BoundField DataField="Name" HeaderText="Name"
SortExpression="Name" />
                 <asp:BoundField DataField="Price" HeaderText="Price"
SortExpression="Price" />
                 <asp:BoundField DataField="Description" HeaderText="Description"
SortExpression="Description" />
                 <asp:BoundField DataField="Image" HeaderText="Image"
SortExpression="Image" />
             </Columns>
         </asp:GridView>
         <asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$
ConnectionStrings:pdmsConnStr %>" DeleteCommand="DELETE FROM [products] WHERE [ID] =
@ID" InsertCommand="INSERT INTO [products] ([ProdType], [Name], [Price],
[Description], [Image]) VALUES (@ProdType, @Name, @Price, @Description, @Image)"
SelectCommand="SELECT * FROM [products]" UpdateCommand="UPDATE [products] SET
```

```
[ProdType] = @ProdType, [Name] = @Name, [Price] = @Price, [Description] =
@Description, [Image] = @Image WHERE [ID] = @ID">
            <DeleteParameters>
                <asp:Parameter Name="ID" Type="Int32" />
            </DeleteParameters>
            <InsertParameters>
                <asp:Parameter Name="ProdType" Type="Int32" />
                <asp:Parameter Name="Name" Type="String" />
                <asp:Parameter Name="Price" Type="Int32" />
                <asp:Parameter Name="Description" Type="String" />
                <asp:Parameter Name="Image" Type="String" />
            </InsertParameters>
            <UpdateParameters>
                <asp:Parameter Name="ProdType" Type="Int32" />
                <asp:Parameter Name="Name" Type="String" />
                <asp:Parameter Name="Price" Type="Int32" />
                <asp:Parameter Name="Description" Type="String" />
                <asp:Parameter Name="Image" Type="String" />
                <asp:Parameter Name="ID" Type="Int32" />
            </UpdateParameters>
        </asp:SqlDataSource>
    </p>

</asp:Content>
```

manage_products.aspx.cs

```
using System;
using System.Collections;
using System.IO;
using System.Web.UI.WebControls;

public partial class admin_manage_products : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        if (!IsPostBack)
            GetImages();

        //Check if product is being updated
        if (!String.IsNullOrWhiteSpace(Request.QueryString["id"]))
        {
            int id = Convert.ToInt32(Request.QueryString["id"]);
            FillForm(id);
        }
    }

    private void GetImages()
    {
        try
        {
            //Get all filepaths
            string[] images =
Directory.GetFiles(Server.MapPath("~/Images/Products/"));

            //Get all filenames and add them to an arraylist
            ArrayList imageList = new ArrayList();
            foreach (string image in images)
            {
                string imageName = image.Substring(image.LastIndexOf(@"\",
StringComparison.Ordinal) + 1);
                imageList.Add(imageName);
```

```
            }

            //Set the arrayList as the dropdownview's datasource and refresh
            ddlImage.DataSource = imageList;
            ddlImage.AppendDataBoundItems = true;
            ddlImage.DataBind();
        }
        catch (Exception e)
        {
            lblResult.Text = e.ToString();
        }
    }

    private products CreateProduct()
    {
        products product = new products();
        product.ProdType = Convert.ToInt32(ddlType.SelectedValue);
        product.Name = txtName.Text;
        product.Price = Convert.ToInt32(txtPrice.Text);
        product.Description = txtDescription.Text;
        product.Image = ddlImage.SelectedValue;

        return product;
    }
    protected void btnaddprod_Click(object sender, EventArgs e)
    {
        ProductModel productModel = new ProductModel();
        products product = CreateProduct();

        lblResult.Text = productModel.InsertProduct(product);
    }


    private void FillForm(int id)
    {
        try
        {
            ProductModel productModel = new ProductModel();
            products editprod = productModel.GetProduct(id);

            txtDescription.Text = editprod.Description;
            txtName.Text = editprod.Name;
            txtPrice.Text = editprod.Price.ToString();

            ddlImage.SelectedValue = editprod.Image;
            ddlType.SelectedValue = editprod.ProdType.ToString();
        }
        catch (Exception ex)
        {
            lblResult.Text = ex.ToString();
        }
    }


    protected void grdProducts_RowEditing(object sender,
System.Web.UI.WebControls.GridViewEditEventArgs e)
    {
        //Get selected row
        GridViewRow row = grdProducts.Rows[e.NewEditIndex];

        //Get Id of selected product
        int rowId = Convert.ToInt32(row.Cells[1].Text);
```

```
        //Redirect user to ManageProducts along with the selected rowId
        Response.Redirect("/admin/edit_product.aspx?id= " + rowId);
    }
}
```

manage_prodtype.aspx

```
<%@ Page Title="Manage Product Type - Pizza Express Admin" Language="C#"
MasterPageFile="/admin/Admin.Master" AutoEventWireup="true"
CodeFile="manage_prodtype.aspx.cs" Inherits="admin_manage_prodtype" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="AdminContent" Runat="Server">

    <h2>Add New Product Category</h2>


    <asp:Label ID="lblnewcat" runat="server" Text="New Category
Name"></asp:Label>  
 
    <asp:TextBox ID="txtnewcatname" runat="server"
Height="21px"></asp:TextBox>    
 
    <asp:Button ID="btnaddnewcat" OnClick="btnaddnewcat_Click" runat="server"
Text="Add Category" />


    <br />
    <asp:Label ID="lblResult" runat="server"></asp:Label>
    <br />


<p>
    <asp:GridView ID="grdProdType" runat="server" AutoGenerateColumns="False"
DataKeyNames="ID" DataSourceID="CategoryGrid" Width="100%" AllowPaging="True">
        <Columns>
            <asp:CommandField ShowDeleteButton="True" ShowEditButton="True" />
            <asp:BoundField DataField="ID" HeaderText="ID" InsertVisible="False"
ReadOnly="True" SortExpression="ID" />
            <asp:BoundField DataField="Name" HeaderText="Name" SortExpression="Name"
/>
        </Columns>
    </asp:GridView>
    <asp:SqlDataSource ID="CategoryGrid" runat="server" ConnectionString="<%$
ConnectionStrings:pdmsConnStr %>" SelectCommand="SELECT * FROM [ProductType]"
DeleteCommand="DELETE FROM [ProductType] WHERE [ID] = @ID" InsertCommand="INSERT INTO
[ProductType] ([Name]) VALUES (@Name)" UpdateCommand="UPDATE [ProductType] SET [Name]
= @Name WHERE [ID] = @ID">
        <DeleteParameters>
            <asp:Parameter Name="ID" Type="Int32" />
        </DeleteParameters>
        <InsertParameters>
            <asp:Parameter Name="Name" Type="String" />
        </InsertParameters>
        <UpdateParameters>
            <asp:Parameter Name="Name" Type="String" />
            <asp:Parameter Name="ID" Type="Int32" />
        </UpdateParameters>
    </asp:SqlDataSource>
</p>
```

```
</asp:Content>
```

manage_prodtype.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

public partial class admin_manage_prodtype : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }
    protected void btnaddnewcat_Click(object sender, EventArgs e)
    {
        ProdTypeModel model = new ProdTypeModel();
        ProductType pt = CreateProductType();

        lblResult.Text = model.InsertProductType(pt);
        txtnewcatname.Text = "";
    }

    public ProductType CreateProductType()
    {
        ProductType p = new ProductType();
        p.Name = txtnewcatname.Text;

        return p;
    }
}
```

login.aspx

```
<%@ Page Title="Administrator Login" Language="C#" MasterPageFile="~/PDMS.Master"
AutoEventWireup="true" CodeFile="login.aspx.cs" Inherits="admin_login" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="MainContent1" Runat="Server">

    <h4>Login</h4><hr />
    <asp:Literal runat="server" ID="litErrorMsg" Text="Invalid username or password."
Visible="false" />
    <asp:Label runat="server" AssociatedControlID="txtUserName">User name</asp:Label>
    <br />
    <asp:TextBox runat="server" ID="txtUserName" CssClass="inputs" />
    <br />
    <asp:Label runat="server" AssociatedControlID="txtPassword">Password</asp:Label>
    <br />
    <asp:TextBox runat="server" ID="txtPassword" TextMode="Password" />
    <br />
    <asp:Button ID="btnSignIn" runat="server" Text="Log in"
OnClick="btnSignIn_OnClick"/>
```

```
</asp:Content>
```

login.aspx.cs

```
using Microsoft.AspNet.Identity;
using Microsoft.AspNet.Identity.EntityFramework;
using Microsoft.Owin.Security;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

public partial class admin_login : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }

    protected void btnSignIn_OnClick(object sender, EventArgs e)
    {
        UserStore<IdentityUser> userStore = new UserStore<IdentityUser>();

        userStore.Context.Database.Connection.ConnectionString =
            System.Configuration.ConfigurationManager.
            ConnectionStrings["pdmsConnStr"].ConnectionString;

        UserManager<IdentityUser> manager = new UserManager<IdentityUser>(userStore);

        var user = manager.Find(txtUserName.Text, txtPassword.Text);

        if (user != null)
        {
            //Call OWIN functionality
            var authenticationManager =
HttpContext.Current.GetOwinContext().Authentication;
            var userIdentity = manager.CreateIdentity(user,
DefaultAuthenticationTypes.ApplicationCookie);

            //Sign in user
            authenticationManager.SignIn(new AuthenticationProperties
            {
                IsPersistent = false
            }, userIdentity);

            //Redirect user to homepage
            Response.Redirect("/admin-main.aspx");
        }
        else
        {
            //litStatus.Text = "Invalid username or password";
        }
    }
}
```

edit-product.aspx

```
<%@ Page Title="Edit Product" Language="C#" MasterPageFile="~/admin/Admin.master"
AutoEventWireup="true" CodeFile="edit_product.aspx.cs" Inherits="admin_edit_product"
%>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="AdminContent" Runat="Server">

    <h2>Edit Products</h2>
     <p>
        Name:
        <asp:TextBox ID="txtName" runat="server" Height="29px"
Width="209px"></asp:TextBox>
     </p>
    <p>
        Type: 
        <asp:DropDownList ID="ddlType" runat="server" DataTextField="Name"
DataValueField="ID" Height="50px" Width="249px" DataSourceID="sdsEditProduct">
        </asp:DropDownList>

        <asp:SqlDataSource ID="sdsEditProduct" runat="server" ConnectionString="<%$
ConnectionStrings:pdmsConnStr %>" SelectCommand="SELECT * FROM
[ProductType]"></asp:SqlDataSource>

     </p>
    <p>
        Price: 
        <asp:TextBox ID="txtPrice" runat="server" Height="25px"
Width="205px"></asp:TextBox>
     </p>
    <p>
        Image:
        <asp:DropDownList ID="ddlImage" runat="server" Height="37px" Width="246px">
        </asp:DropDownList>
     </p>
    <p>
        Description: 
        <asp:TextBox ID="txtDescription" runat="server" Height="86px"
TextMode="MultiLine" Width="262px"></asp:TextBox>
     </p>
    <p>
        <asp:Button ID="btnupdate" runat="server" Text="Update"
OnClick="btnupdate_Click" />
    </p>
    <p>
        <asp:Label ID="lblResult" runat="server"></asp:Label>
    </p>
    <p>
        <asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$
ConnectionStrings:pdmsConnStr %>" DeleteCommand="DELETE FROM [products] WHERE [ID] =
@ID" InsertCommand="INSERT INTO [products] ([ProdType], [Name], [Price],
[Description], [Image]) VALUES (@ProdType, @Name, @Price, @Description, @Image)"
SelectCommand="SELECT * FROM [products]" UpdateCommand="UPDATE [products] SET
[ProdType] = @ProdType, [Name] = @Name, [Price] = @Price, [Description] =
@Description, [Image] = @Image WHERE [ID] = @ID">
            <DeleteParameters>
                <asp:Parameter Name="ID" Type="Int32" />
            </DeleteParameters>
            <InsertParameters>
                <asp:Parameter Name="ProdType" Type="Int32" />
```

```
                <asp:Parameter Name="Name" Type="String" />
                <asp:Parameter Name="Price" Type="Int32" />
                <asp:Parameter Name="Description" Type="String" />
                <asp:Parameter Name="Image" Type="String" />
            </InsertParameters>
            <UpdateParameters>
                <asp:Parameter Name="ProdType" Type="Int32" />
                <asp:Parameter Name="Name" Type="String" />
                <asp:Parameter Name="Price" Type="Int32" />
                <asp:Parameter Name="Description" Type="String" />
                <asp:Parameter Name="Image" Type="String" />
                <asp:Parameter Name="ID" Type="Int32" />
            </UpdateParameters>
        </asp:SqlDataSource>
    </p>


</asp:Content>
```

edit-product.aspx.cs

```
using System;
using System.Collections;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

public partial class admin_edit_product : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        if (!IsPostBack)
            GetImages();

        //Check if the url contains an id parameter
        if (!String.IsNullOrWhiteSpace(Request.QueryString["id"]))
        {
            int id = Convert.ToInt32(Request.QueryString["id"]);
            FillPage(id);
        }
    }

    private void FillPage(int id)
    {
        //Get selected product from DB
        ProductModel productModel = new ProductModel();
        product editprod = productModel.GetProduct(id);

        //Fill Textboxes
        txtDescription.Text = editprod.Description;
        txtName.Text = editprod.Name;
        txtPrice.Text = editprod.Price.ToString();

        //Set dropdownlist values
        ddlImage.SelectedValue = editprod.Image;
```

```
        ddlType.SelectedValue = editprod.ProdType.ToString();
    }

    private void GetImages()
    {
        try
        {
            //Get all filepaths
            string[] images =
System.IO.Directory.GetFiles(Server.MapPath("~/Images/Products/"));

            //Get all filenames and add them to an arraylist
            ArrayList imageList = new ArrayList();
            foreach (string image in images)
            {
                string imageName = image.Substring(image.LastIndexOf(@"\",
StringComparison.Ordinal) + 1);
                imageList.Add(imageName);
            }

            //Set the arrayList as the dropdownview's datasource and refresh
            ddlImage.DataSource = imageList;
            ddlImage.AppendDataBoundItems = true;
            ddlImage.DataBind();
        }
        catch (Exception e)
        {
            lblResult.Text = e.ToString();
        }
    }

    protected void btnupdate_Click(object sender, EventArgs e)
    {
        ProductModel productModel = new ProductModel();
        product updateprod = CreateProduct();

        //Check if the url contains an id parameter
        if (!String.IsNullOrWhiteSpace(Request.QueryString["id"]))
        {
            //ID exists -> Update existing row
            int id = Convert.ToInt32(Request.QueryString["id"]);
            lblResult.Text = productModel.UpdateProduct(id, updateprod);
        }
        else
        {
            //ID does not exist -> Create a new row
            lblResult.Text = productModel.InsertProduct(updateprod);
        }
    }

    private product CreateProduct()
    {
        product product = new product();
        product.ProdType = Convert.ToInt32(ddlType.SelectedValue);
        product.Name = txtName.Text;
        product.Price = Convert.ToInt32(txtPrice.Text);
        product.Description = txtDescription.Text;
        product.Image = ddlImage.SelectedValue;

        return product;
    }
}
```

add_user.aspx

```
<%@ Page Title="Add New User" Language="C#" MasterPageFile="~/admin/Admin.master"
AutoEventWireup="true" CodeFile="add_user.aspx.cs" Inherits="admin_add_user" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="AdminContent" Runat="Server">

    <h4>Add a new user</h4>
    <hr />
    <p>
        <asp:Literal runat="server" ID="litStatusMessage" />
    </p>

    User name:<br />
    <asp:TextBox runat="server" ID="txtUserName" />  <br />

    Password:
    <br />
    <asp:TextBox runat="server" ID="txtPassword" TextMode="Password" /><br />

    Confirm password:
    <br />
    <asp:TextBox runat="server" ID="txtConfirmPassword" TextMode="Password" /><br />

    First Name:<br />
    <asp:TextBox runat="server" ID="txtFirstName" /><br />

    Last Name:<br />
    <asp:TextBox runat="server" ID="txtLastName" /><br />

    Address:<br />
    <asp:TextBox runat="server" ID="txtAddress" /><br />

    Email:<br />
    <asp:TextBox runat="server" ID="txtEmail" /><br />



    <p>
        <asp:Button ID="btnRegister" runat="server" Text="Add User"
OnClick="btnRegister_Click" />
    </p>
</asp:Content>
```

add_user.aspx.cs

```
using Microsoft.AspNet.Identity;
using Microsoft.AspNet.Identity.EntityFramework;
using Microsoft.Owin.Security;
using System;
using System.Collections.Generic;
using System.Linq;
```

```
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

public partial class admin_add_user : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }

    protected void btnRegister_Click(object sender, EventArgs e)
    {
        // Default UserStore constructor uses the default connection string named:
DefaultConnection
        var userStore = new UserStore<IdentityUser>();

        //Set ConnectionString to GarageConnectionString
        userStore.Context.Database.Connection.ConnectionString =

System.Configuration.ConfigurationManager.ConnectionStrings["pdmsConnStr"].ConnectionS
tring;
        var manager = new UserManager<IdentityUser>(userStore);

        //Create new user and try to store in DB.
        var user = new IdentityUser { UserName = txtUserName.Text };

        if (txtPassword.Text == txtConfirmPassword.Text)
        {
            try
            {
                IdentityResult result = manager.Create(user, txtPassword.Text);
                if (result.Succeeded)
                {

                    //Store user in DB
                    var authenticationManager =
HttpContext.Current.GetOwinContext().Authentication;
                    var userIdentity = manager.CreateIdentity(user,
DefaultAuthenticationTypes.ApplicationCookie);

                    //If succeedeed, log in the new user and set a cookie and redirect
to homepage
                    authenticationManager.SignIn(new AuthenticationProperties(),
userIdentity);
                    Response.Redirect("/admin/admin-main.aspx");
                }
                else
                {
                    litStatusMessage.Text = result.Errors.FirstOrDefault();
                }
            }
            catch (Exception ex)
            {
                litStatusMessage.Text = ex.ToString();
            }
        }
        else
        {
            litStatusMessage.Text = "Passwords must match!";
        }
    }}
```

Model Code

These pages are code files that define functions for the Addition, Updation and Deletion of the Products, Product Types , Items in Shopping cart and managing users

Following is the code for the code files mentioned below

- CartModel.cs
- Cust_InfoModel.cs
- ProdTypeModel.cs
- ProductModel.cs

ProductModel.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;

/// <summary>
/// Summary description for ProductModel
/// </summary>
public class ProductModel
{
    public string InsertProduct(products inprod)
    {
        try
        {
            pdmsEntities db = new pdmsEntities();
            db.products.Add(inprod);
            db.SaveChanges();

            return inprod.Name + " was succesfully inserted";
        }
        catch (Exception e)
        {
            return "Error:" + e;
        }
    }

    public string UpdateProduct(int ID, products upprod)
    {
        try
        {
            pdmsEntities db = new pdmsEntities();

            //Fetch object from db
            products p = db.products.Find(ID);

            p.Name = upprod.Name;
            p.Price = upprod.Price;
            p.ProdType = upprod.ProdType;
            p.Description = upprod.Description;
            p.Image = upprod.Image;

            db.SaveChanges();
```

```
            return upprod.Name + " was successfully updated";

        }
        catch (Exception e)
        {
            return "Error:" + e;
        }
    }

    public string DeleteProduct(int ID)
    {
        try
        {
            pdmsEntities db = new pdmsEntities();
            products delprod = db.products.Find(ID);

            db.products.Attach(delprod);
            db.products.Remove(delprod);
            db.SaveChanges();

            return delprod.Name + "was succesfully deleted";
        }
        catch (Exception e)
        {
            return "Error:" + e;
        }
    }

    public products GetProduct(string iD)
    {
        throw new NotImplementedException();
    }

    public products GetProduct(int ID)
    {
        try
        {
            using (pdmsEntities db = new pdmsEntities())
            {
                products getprod = db.products.Find(ID);
                return getprod;
            }
        }
        catch (Exception)
        {
            return null;
        }
    }

    public List<products> GetAllProducts()
    {
        try
        {
            using (pdmsEntities db = new pdmsEntities())
            {
                List<products> allprod = (from x in db.products
                                          select x).ToList();
                return allprod;
            }
        }
        catch (Exception)
        {
```

```
            return null;
        }
    }

    public List<products> GetProductsByType(int product_type)
    {
        try
        {
            using (pdmsEntities db = new pdmsEntities())
            {
                List<products> prodbytype = (from x in db.products
                                             where x.ProdType == product_type
                                             select x).ToList();
                return prodbytype;
            }
        }
        catch (Exception)
        {

            return null;
        }
    }


}
```

ProdTypeModel.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;

/// <summary>
/// Summary description for ProdTypeModel
/// </summary>
public class ProdTypeModel
{
    public string InsertProductType(ProductType productType)
    {
        try
        {
            pdmsEntities db = new pdmsEntities();
            db.ProductTypes.Add(productType);
            db.SaveChanges();

            return "Category " + productType.Name + " was succesfully inserted";
        }
        catch (Exception e)
        {
            return "Error:" + e;
        }
    }

    public string UpdateProductType(int id, ProductType productType)
    {
```

```
        try
        {
            pdmsEntities db = new pdmsEntities();

            //Fetch object from db
            ProductType p = db.ProductTypes.Find(id);

            p.Name = productType.Name;

            db.SaveChanges();
            return productType.Name + "was succesfully updated";

        }
        catch (Exception e)
        {
            return "Error:" + e;
        }
    }

    public string DeleteProductType(int id)
    {
        try
        {
            pdmsEntities db = new pdmsEntities();
            ProductType productType = db.ProductTypes.Find(id);

            db.ProductTypes.Attach(productType);
            db.ProductTypes.Remove(productType);
            db.SaveChanges();

            return productType.Name + "was succesfully deleted";
        }
        catch (Exception e)
        {
            return "Error:" + e;
        }
    }
}
```

Cust_Info.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;


public class Cust_InfoModel
{
        public cust_info GetUserInformation(string custinfo)
        {
            pdmsEntities db = new pdmsEntities();
            var info = (from x in db.cust_info
                    where x.cust_fname == custinfo
                    select x).FirstOrDefault();
        return info;
        }
```

```
    public void add_customer(cust_info addcust)
    {
        pdmsEntities db = new pdmsEntities();
        db.cust_info.Add(addcust);
        db.SaveChanges();
    }
}
```

CartModel.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;

/// <summary>
/// Summary description for CartModel
/// </summary>
public class CartModel
{

        public string InsertCart(cart incart)
    {
        try
        {
            pdmsEntities db = new pdmsEntities();
            db.carts.Add(incart);
            db.SaveChanges();

            return incart.ID + " was succesfully inserted";
        }
        catch (Exception e)
        {
            return "Error:" + e;
        }
    }

    public string UpdateCart(int ID, cart upcart)
    {
        try
        {
            pdmsEntities db = new pdmsEntities();

            //Fetch object from db
            cart p = db.carts.Find(ID);

            p.ID = upcart.ID;
            p.cust_id = upcart.cust_id;
            p.amount = upcart.amount;
            p.IsInCart = upcart.IsInCart;
            p.product_id = upcart.product_id;

            db.SaveChanges();
            return upcart.ID + " was succesfully updated";

        }
        catch (Exception e)
        {
            return "Error:" + e;
        }
    }
```

```
public string DeleteCart(int ID)
{
    try
    {
        pdmsEntities db = new pdmsEntities();
        cart delcart = db.carts.Find(ID);

        db.carts.Attach(delcart);
        db.carts.Remove(delcart);
        db.SaveChanges();

        return delcart.ID + "was succesfully deleted";
    }
    catch (Exception e)
    {
        return "Error:" + e;
    }
}

public List<cart> GetOrdersInCart(string ordincart)
{
    pdmsEntities db = new pdmsEntities();
    List<cart> orders = (from x in db.carts
                         where x.cust_id == ordincart
                         && x.IsInCart
                         orderby x.product_id descending
                         select x).ToList();
    return orders;
}

public int GetAmountOfOrders(string ordamt)
{
    try
    {
        pdmsEntities db = new pdmsEntities();
        int amount = (from x in db.carts
                      where x.cust_id == ordamt
                      && x.IsInCart
                      select x.amount).Sum();

        return amount;
    }
    catch
    {
        return 0;
    }
}

public void UpdateQuantity(int id, int quantity)
{
    pdmsEntities db = new pdmsEntities();
    cart p = db.carts.Find(id);
    p.amount = quantity;

    db.SaveChanges();
}

public void MarkOrdersAsPaid(List<cart> ordpaid)
{
    pdmsEntities db = new pdmsEntities();
```

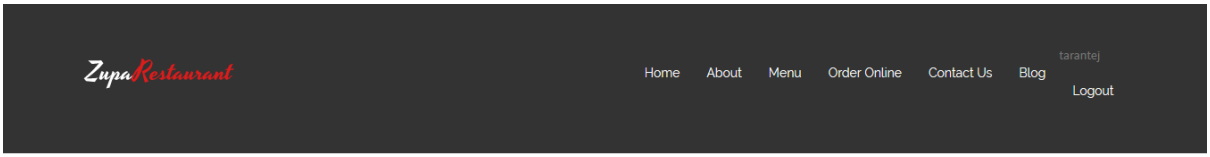
```
        if (ordpaid != null)
        {
            foreach (cart cart in ordpaid)
            {
                cart oldCart = db.carts.Find(cart.ID);

                oldCart.IsInCart = false;
            }
            db.SaveChanges();
        }
    }


}
```

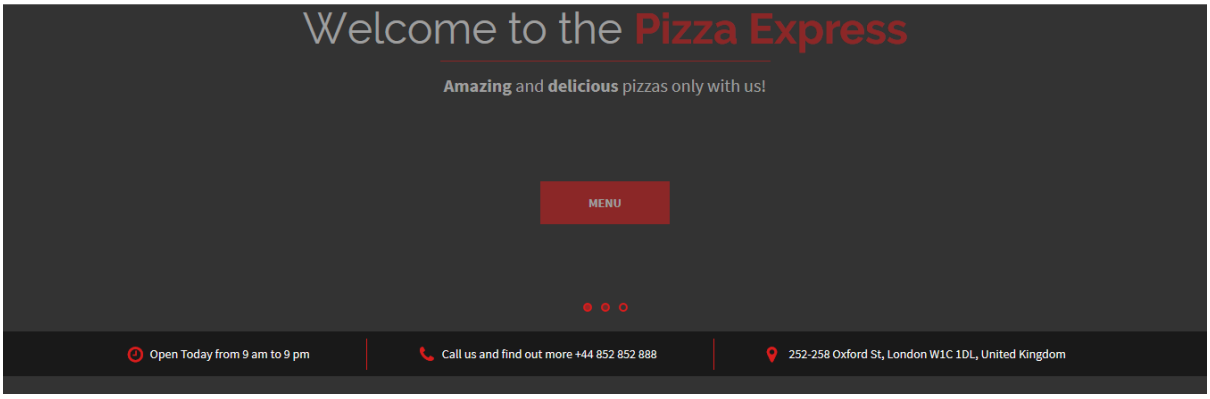
Startup1.cs (For User Authentication)

```
using System;
using System.Threading.Tasks;
using Microsoft.Owin;
using Owin;
using Microsoft.AspNet.Identity;
using Microsoft.Owin.Security.Cookies;

[assembly: OwinStartup(typeof(Startup1))]

public class Startup1
{


    public void Configuration(IAppBuilder app)
    {
        app.UseCookieAuthentication(new CookieAuthenticationOptions
        {

            AuthenticationType = DefaultAuthenticationTypes.ApplicationCookie,
            LoginPath = new PathString("/admin/login.aspx")
        }); }
        }
```

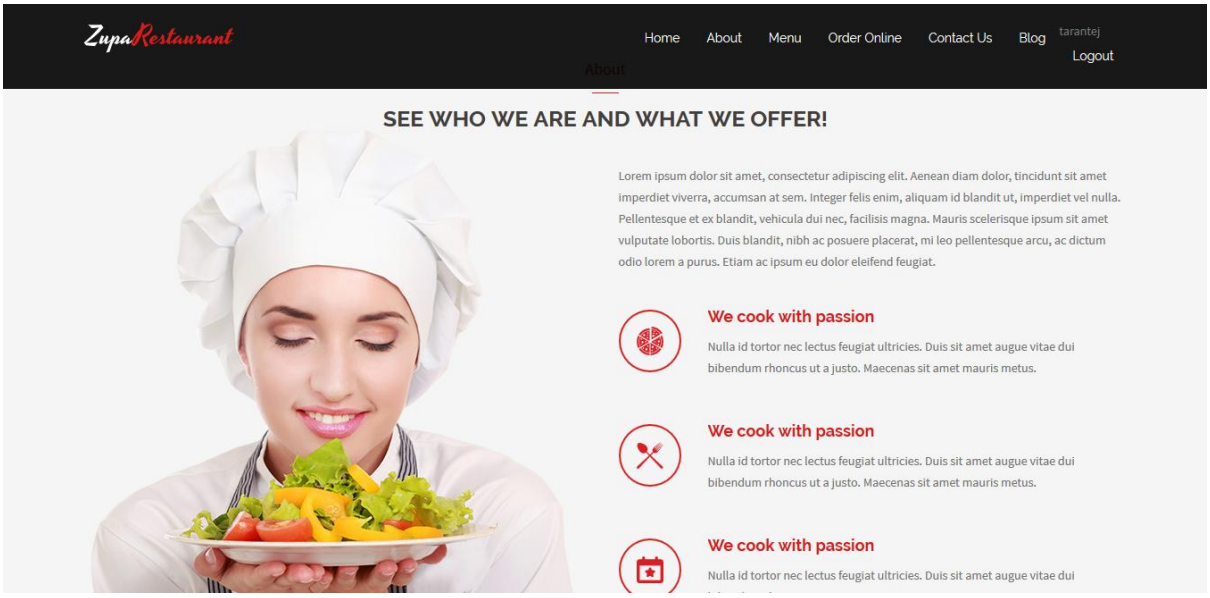
Screenshots

Homepage

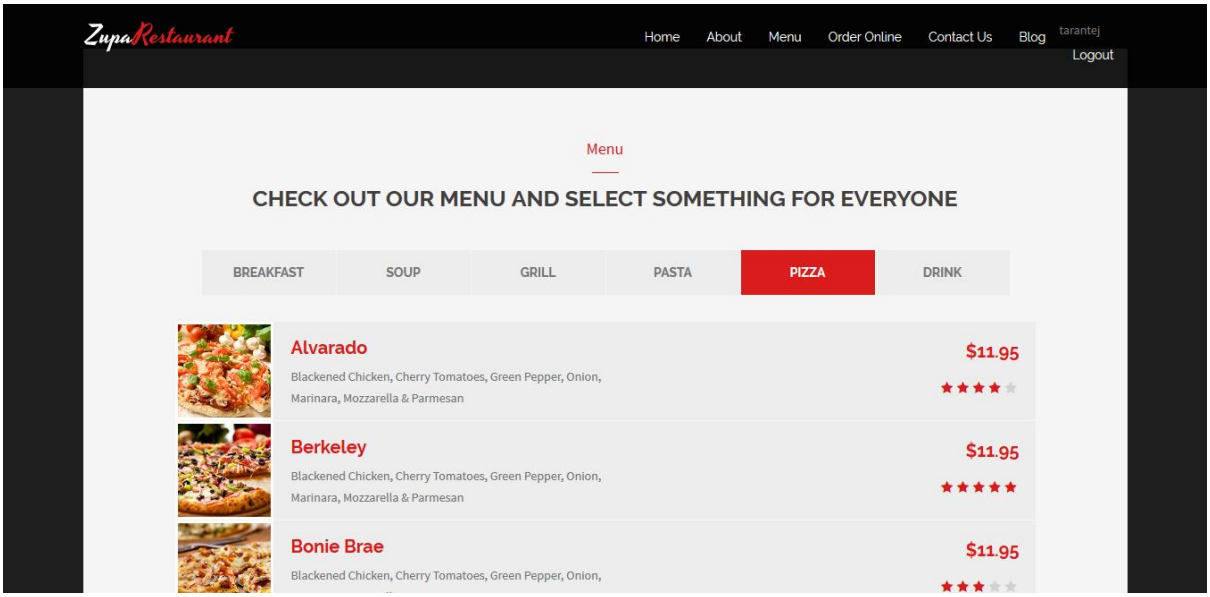




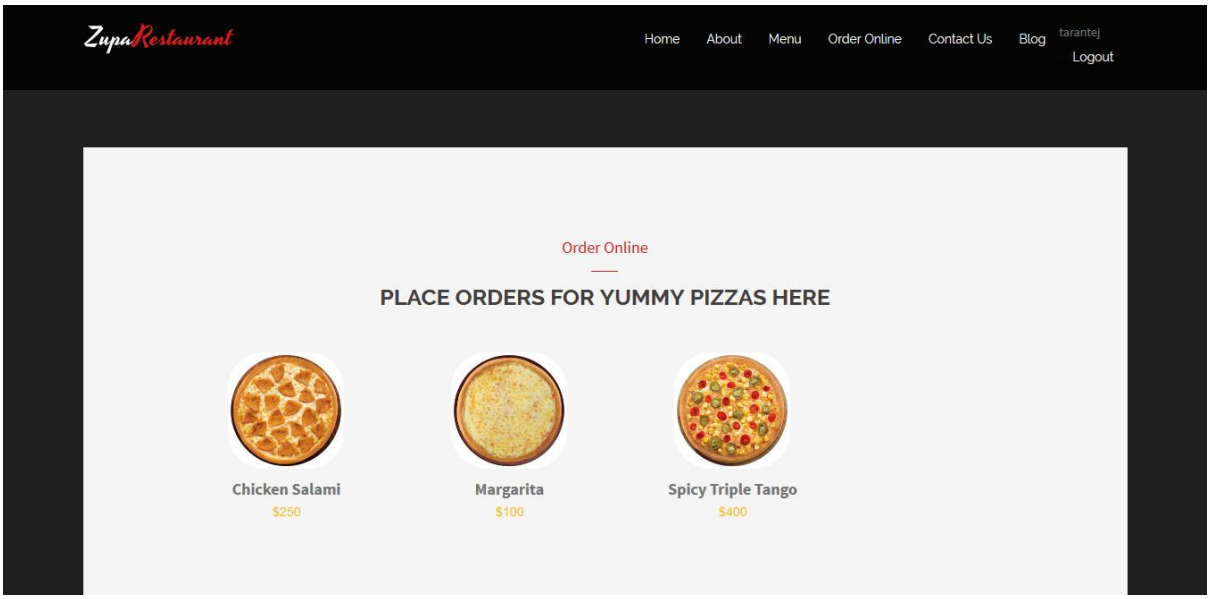
About



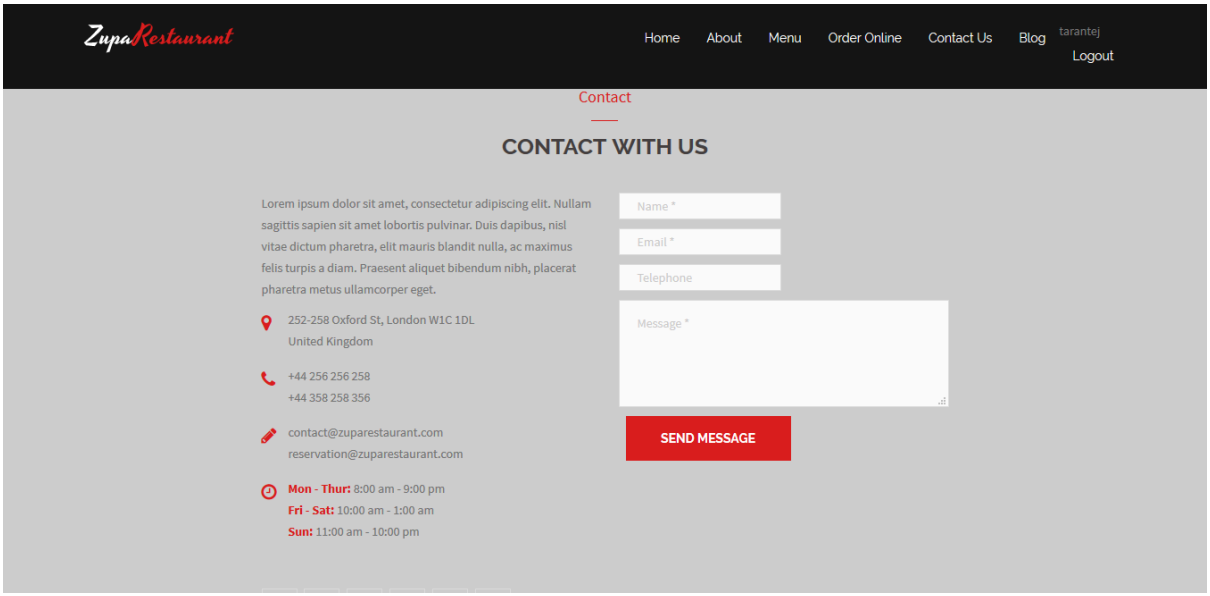
Menu



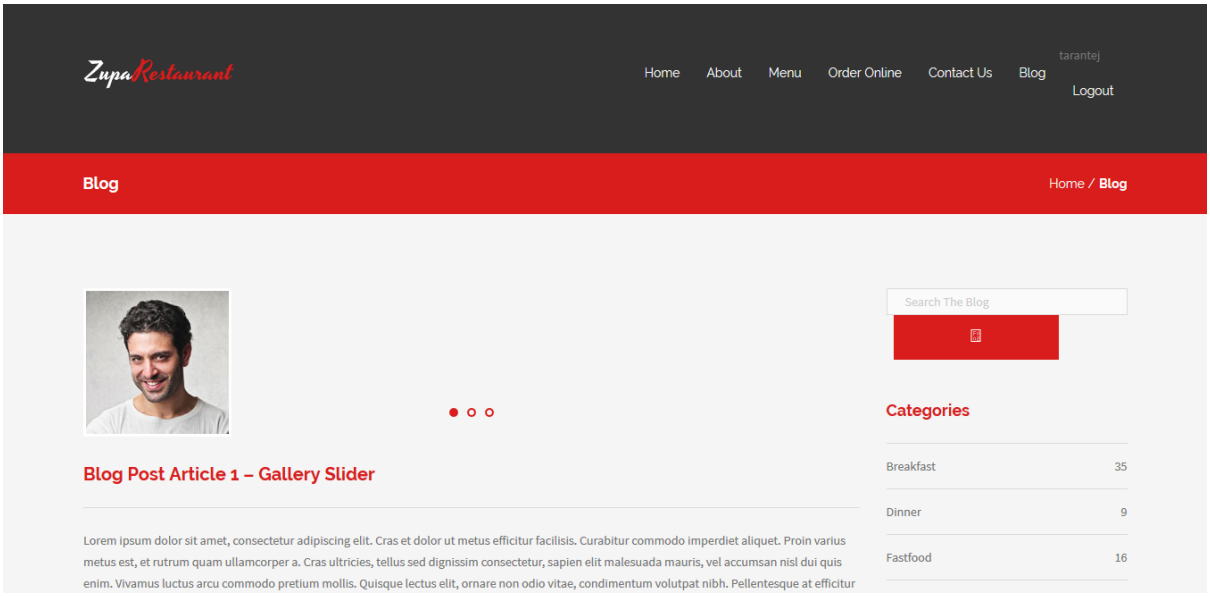
Order Online



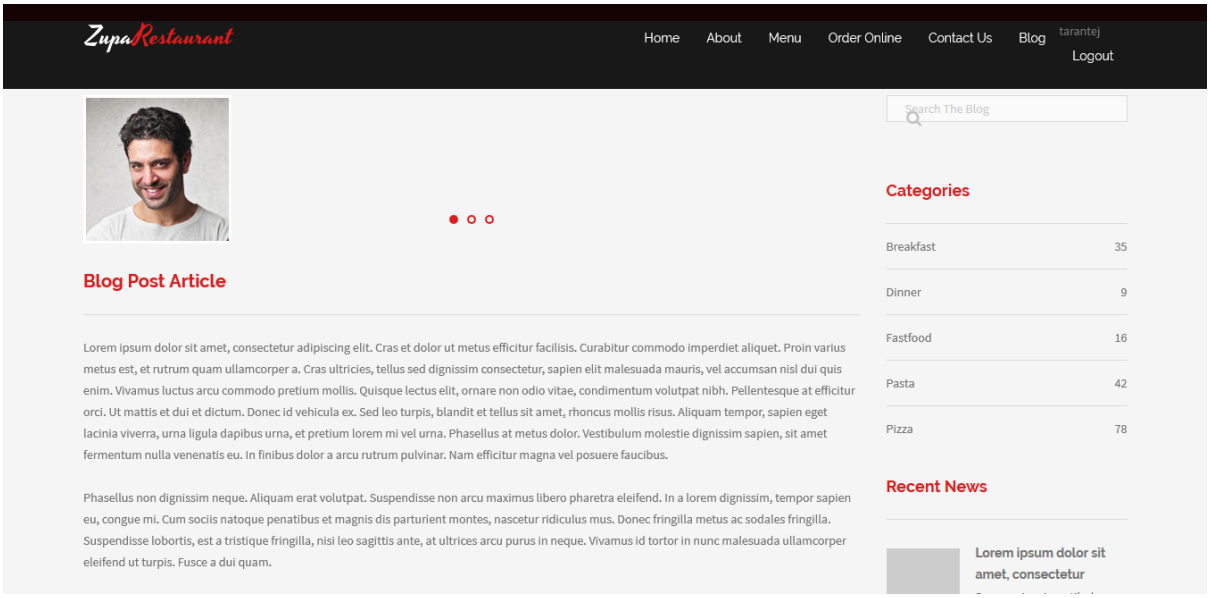
Contact Us



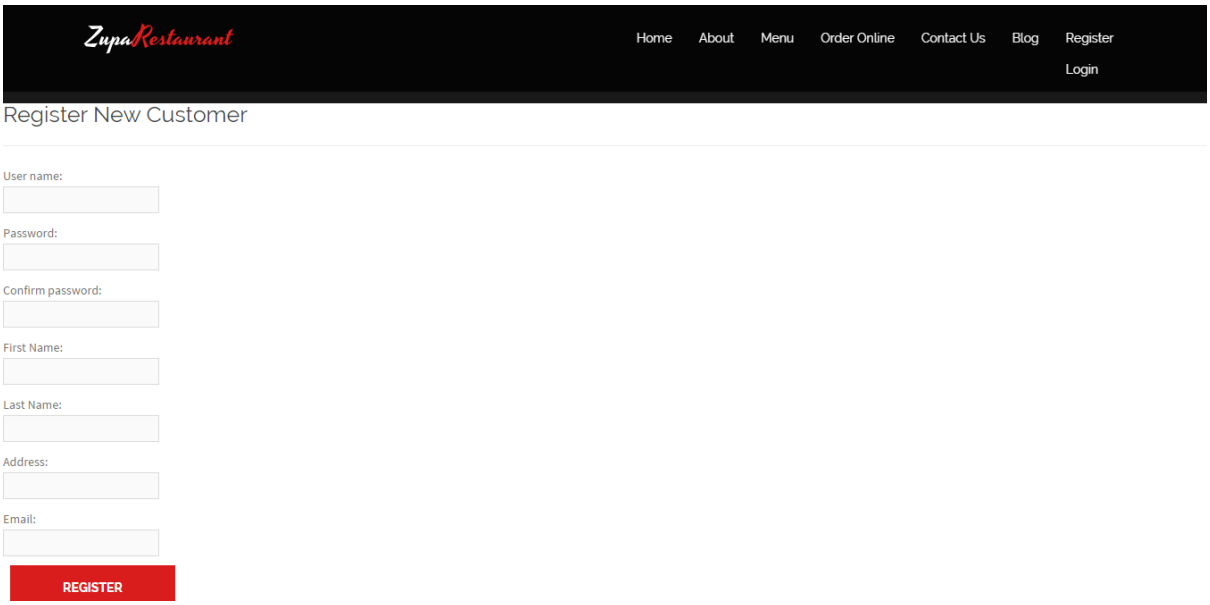
Blog



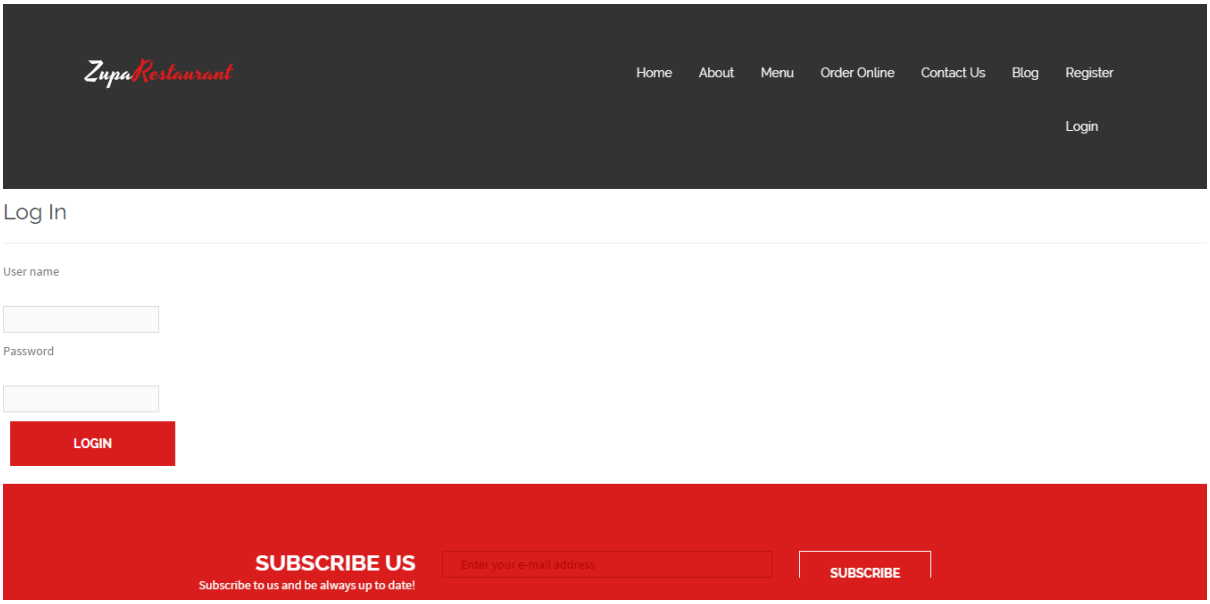
Blog Post



Register

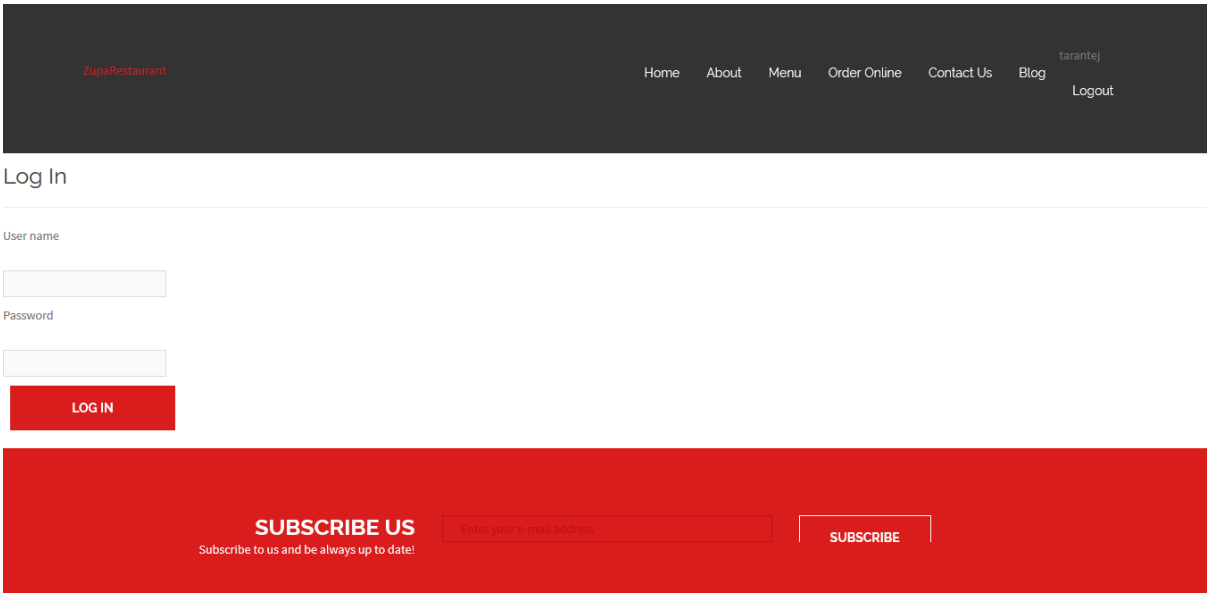


Login

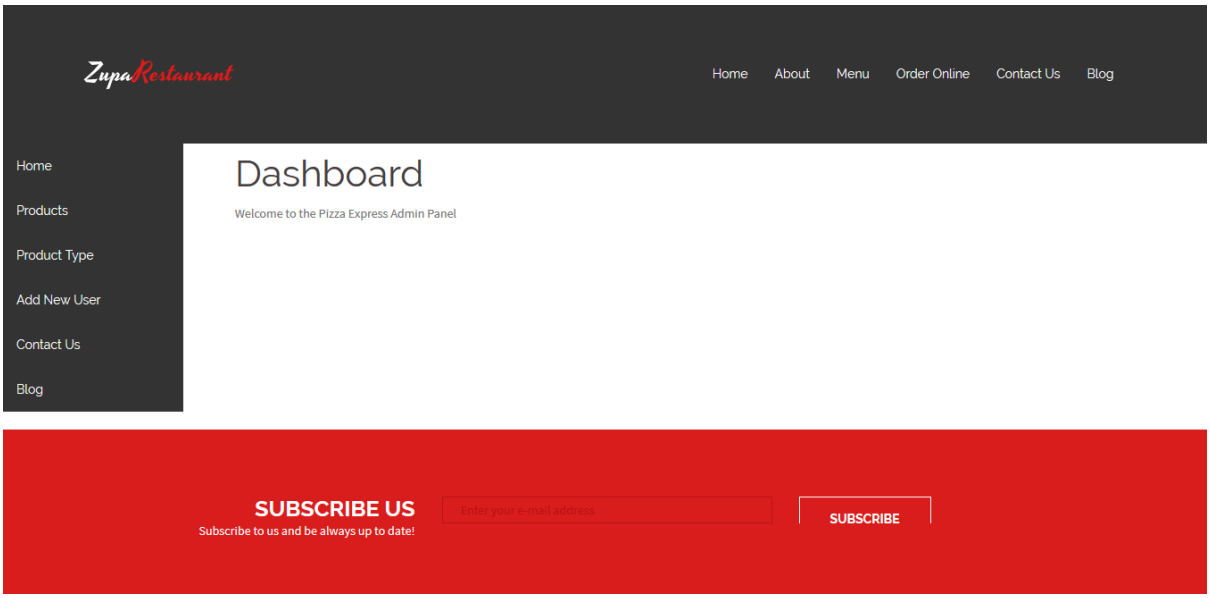


Administrator Section

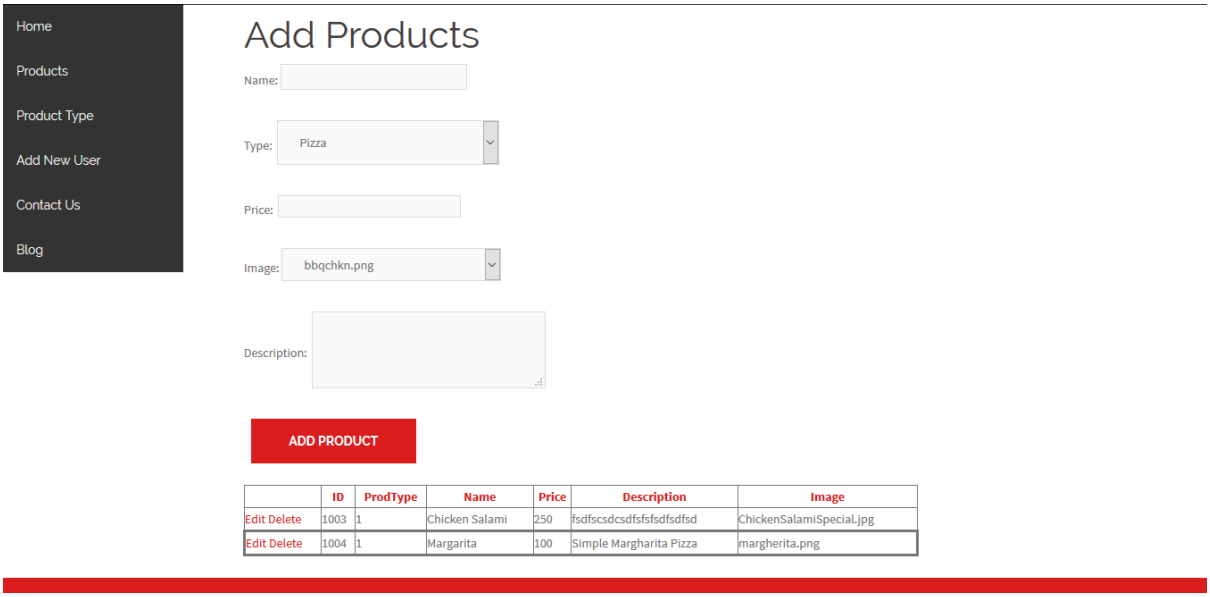
Admin Login



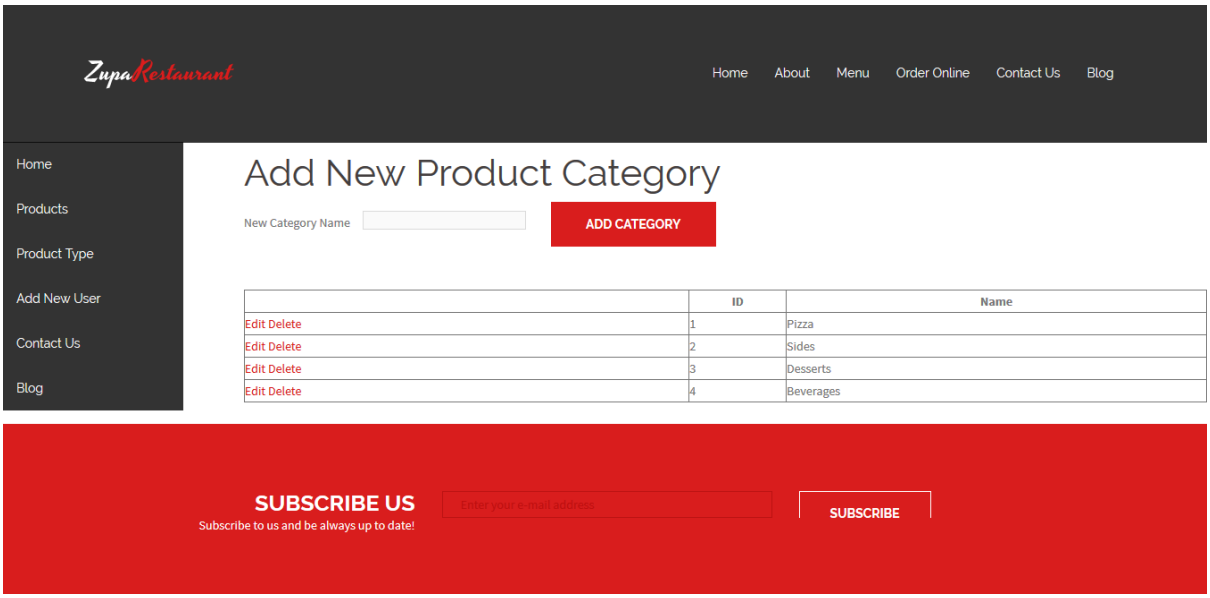
Dashboard



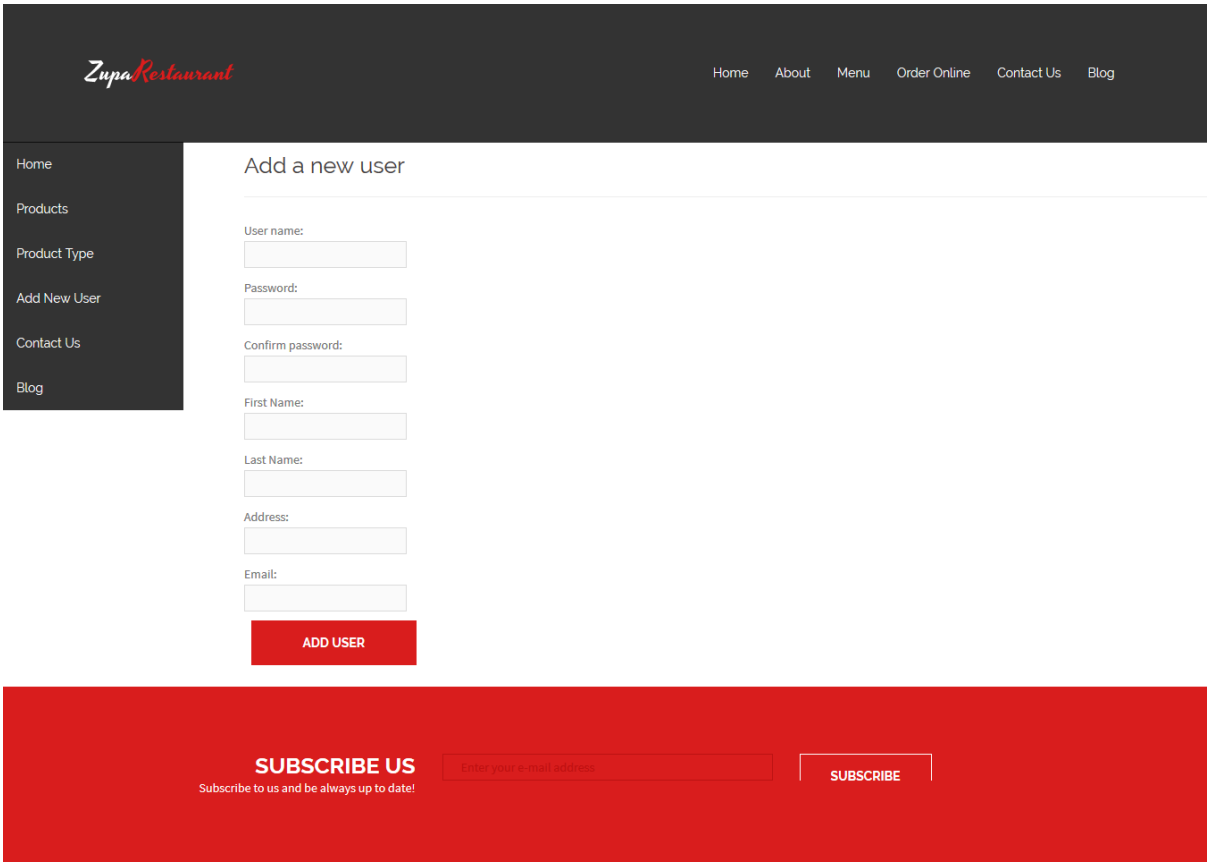
Manage Products



Manage Product Categories



Add User


ZupaRestaurant
Home
About
Menu
Order Online
Contact Us
Blog
Home
Products
Product Type
Add New User
Contact Us
Blog
Add a new user
User name:
Password:
Confirm password:
First Name:
Last Name:
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Conclusion

With this report I conclude that the lives of the customers can be made easier with applications such as the one proposed. It makes the process of ordering and customizing pizza than ever before. The software can also be used as a basis of smartphone application development which is the latest trend of the businesses competing in the market.