

FINAL PROJECT REPORT

ONLINE PIZZA DELIVERY SYSTEM

UTD PIZZA STORE

WEB PROGRAMMING LANGUAGES (CS-6314.002)

Under Guidance of Prof. Nurcan Yuruk

TEAM MEMBERS

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1. PROJECT DESCRIPTION

1.1 INTRODUCTION

In today's age of fast food and take-out, many restaurants have chosen to focus on quick preparation and speedy delivery of orders rather than offering a rich dining experience. Until very recently, all of these delivery orders were placed over the phone, but there are many disadvantages to this system, including the inconvenience of the customer needing to have a physical copy of the menu, lack of a visual confirmation that the order was placed correctly, and the necessity for the restaurant to have an employee answering the phone and taking orders.

Online Pizza System is a new approach for the food delivery industry. The main advantage of this system is that it greatly simplifies the ordering process for both the customer and the restaurant. When the customer visits the ordering webpage, they are presented with an interactive and up-to-date menu, complete with all available options and dynamically adjusting prices based on the selected options. After making a selection, the item is then added to their order, which the customer can review the details of at any time before checking out. This provides instant visual confirmation of what was selected and ensures that items in the order are, in fact, what was intended.

This system also greatly lightens the load on the restaurant's end, as the entire process of taking orders is automated. Within this application, all items in the order are displayed, along with their corresponding options and delivery details, in a concise and easy to read manner. This allows restaurant employees to quickly go through the orders as they are placed and produce the necessary items with minimal delay and confusion.

The "UTD Pizza Store" website allows the users to order pizza online sitting at home. The portal helps the users to select from wide range of pizzas and also allows customization of them with different pizza base type, toppings and so on.

The online pizza store has the following features :

The system consists of two kinds of users :

1. Admin
2. Customer

- The “**admin**” user can:
 - Create an account.
 - Log in to the system.
 - Navigate the restaurant’s menu.
 - Add a new Item in the menu.
 - Delete an Item from the menu.
 - Update/Modify the item from the menu.
 - View all the items available.
 - Search for an item based on keyword and category.

- The system allows the “**customer**” user to:
 - Create an account.
 - Log in to the system.
 - Navigate the restaurant’s menu.
 - Search for an item based on keyword and category.
 - View all the items available.
 - Select items from the wide range of menu.
 - Add an item to their current order.
 - Review their current order.
 - Remove an item/remove all items from their current order.
 - View order history.

- Login and Sign Up Validation
 - The signup form validates if all mandatory fields are filled out.
 - There are different signup forms provided for admin and customer. Each has to register before he can access the system.
 - The signup form checks if the password is strong enough.
The rules of having a strong password are:
 - At least one character.
 - At least one capital letter.
 - At least one number.
 - At least 8 characters.

- The signup form checks the new username or email address if it's already registered to the system.

2. DATABASE DESIGN

The tables are created as follows :

```
create database wplproject ;
use wplproject;
```

LOGIN

```
CREATE TABLE login (
UserName varchar(50) NOT NULL,
Password varchar(16) NOT NULL,
UNIQUE KEY UserName ( UserName )
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

USERDATA

```
CREATE TABLE userdata (
userId varchar(20) NOT NULL ,
userFirstName varchar(20) NOT NULL,
userLastName varchar(20) NOT NULL,
userEmail varchar(50) NOT NULL,
userAddress varchar(150) NOT NULL,
userContactNumber varchar(10) NOT NULL DEFAULT 0 ,
userGender varchar(1) NOT NULL DEFAULT 0 ,
userdob date NOT NULL,
PRIMARY KEY ( userId ),
UNIQUE KEY userId ( userId ),
UNIQUE KEY userEmail ( userEmail )
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

TYPE

```
CREATE TABLE type (  
  typeId varchar(20) NOT NULL ,  
  typeDescription varchar(20) NOT NULL,  
  PRIMARY KEY ( typeId )  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

PIZZA

```
drop table pizza;  
Create table pizza (  
  pizzaId varchar(20),  
  pizzaName varchar(50),  
  pizzaDescription varchar(1000),  
  basePrice varchar(20),  
  PRIMARY KEY( pizzaId )  
);
```

DRINK TYPE

```
select * from drinkType;  
drop table drinkType;  
Create table drinkType (  
  drinkId varchar(20),  
  drinkName varchar(200),  
  drinkDescription varchar(1000),  
  drinkPrice varchar(20),  
  PRIMARY KEY( drinkId )  
);
```

DESSERT TYPE

```
Create table desertType (  
  desertId varchar(20),  
  dessertName varchar(200),  
  desertDescription varchar(1000),  
  desertPrice varchar(20), PRIMARY KEY( desertId ));
```

PRODUCTS

```
CREATE TABLE IF NOT EXISTS products (  
  id int(11) NOT NULL AUTO_INCREMENT,  
  product_code varchar(60) NOT NULL,  
  product_name varchar(60) NOT NULL,  
  product_desc]tinytext NOT NULL,  
  product_img_name varchar(60) NOT NULL,  
  price decimal(10,2) NOT NULL,  
  PRIMARY KEY (id),  
  UNIQUE KEY product_code (product_code)  
 ) AUTO_INCREMENT=1 ;
```

SEARCH

```
Create table searchengine(  
  id int(11),  
  title varchar(100),  
  description text,  
  url text,  
  keywords varchar(100),  
  PRIMARY KEY( id )  
 );
```

ORDERS

```
Create table orders (  
  orderId varchar(20) NOT NULL,  
  userId varchar(20) NOT NULL,  
  dates date NOT NULL,  
  orderPrice varchar(10) NOT NULL DEFAULT 0 ,  
  typeId varchar(20),  
  PRIMARY KEY ( orderId )  
 );
```

3. LANGUAGES AND FRAMEWORKS

Implementation Languages:

Client Side: Bootstrap, HTML5, CSS, JavaScript, AJAX, JQuery.

Server Side: PHP.

Database: MySQL.

Implementation Tools:

Server Side: MAMP Server (PHP)

Database: MySQL Workbench.

Debugging Tools:

Client Side: Web Browser's Developer Tools Debugger.

4. SCREENSHOTS


HOMEPAGE

localhost/ops/ops/pizza-web/web/

Admin Sign Up Admin Login User Sign Up User Login


UTD PIZZA STORE

Home Pizza Drinks Desserts Gallery




Cheese Garden

Services




Awardee

By Chris Finley, CSR and Internal Brand Experience UTD PIZZA prides itself on being a company with a huge heart that lives Life Unboxed.




Location




View larger map

17580 Preston Rd



Gluten-Free Pizza

Gluten-Free Pizza is offered in over 2,800 Pizza Hut restaurants nationwide, and we plan to continue to roll it out across the nation based on consumer demand.









Address


17580 Preston Rd
Dallas, TX 75252
(972)713-9696

Keyword:

The Menu

 SUPREME Classic marinara sauce, pepperoni, seasoned pork, beef, mushrooms, bell peppers	\$ 50	 CHICKEN-BACON PARMESAN Creamy garlic Parmesan sauce, grilled chicken, hardwood smoked bacon and diced Roma tomatoes	\$50
 PRIMO MEATS Chicken, mozzarella cheese, onions	\$62	 BACKYARD BBQ CHICKEN Barbeque sauce, grilled chicken, hardwood smoked bacon and fresh red onions	\$62
 ITALIAN MEATBALL Classic marinara sauce, classic meatballs, fresh red onions and diced Roma tomatoes	\$25	 ULTIMATE CHEESE LOVER'S	\$25

Feedback About us



Jeevan Ishwara
" Yummy pizzas "

...

Address

17580 Preston Rd
Dallas, TX 75252
(972)713-9696




Popular

ITALIAN MEATBALL
VEGGIE LOVER'S
FIVE PEPPER PEPPERONI
GLUTEN-FREE CHEESE PIZZA

Details

Home
About
Gallery
Contact

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MENU ITEMS

← → ↻ localhost/ops/ops/pizza-web/web/dessert.html ☆ ⓘ ID ≡

UTD PIZZA STORE

Home Pizza Drinks Desserts Gallery

CHOCOLATE CHIP COOKIE



A freshly-baked cookie made with 100% genuine HERSHEY'S® chocolate chips, cut into 8 slices and served warm for your crew to enjoy.

\$ 6

Order Now

CINNAMON STICKS



A freshly-baked treat, loaded with cinnamon and sugar. Served with white icing.

\$ 4

Order Now

APPLE PIES



Scrumptious, hot mini fried apple pies sprinkled with cinnamon sugar.

\$ 4


Order Now

← → ↻ localhost/ops/ops/pizza-web/web/drink.html ☆ ⓘ ID ≡

UTD PIZZA STORE

Home Pizza Drinks Desserts Gallery

PEPSI




Light. Crisp. Refreshing. With zero sugar, zero calories, and zero carbs.

\$ 1.50

Order Now

DR PEPPER




Way more energizing and thirst quenching, with a one-of-a-kind great taste.

\$ 1.50

Order Now

MOUNTAIN DEW



A signature blend of 23 flavors makes every sip truly unique.

\$ 1.50


Order Now

← → ↻ localhost/ops/ops/pizza-web/web/veggie.html ☆ ⓘ ID ≡

UTD PIZZA STORE

Home Veggie Gluten Free Meat Chicken Sign Up Login

PREMIUM GARDEN VEGGIE




Premium crushed tomato sauce, fresh green peppers, fresh red onions, fresh mushrooms, diced Roma tomatoes and fresh spinach.

\$ 10

Order Now

VEGGIE LOVER'S




Classic marinara sauce made of 100% California grown vine-ripened tomatoes, fresh mushrooms, fresh red onions, fresh bell pepper, roma tomato and black olives.

\$ 10

Order Now

ULTIMATE CHEESE LOVER'S



Creamy garlic Parmesan sauce topped with 50% more whole milk mozzarella cheese than our standard recipes, flavoured up with toasted Parmesan on the crust.

\$ 10

Order Now

USER SIGN UP FORM


localhost/ops/ops/pizza-web/web/src/AdminSignUp.html

FORM VALIDATION		
First Name*	<input type="text" value="First Name"/>	This field cannot be empty
Last Name*	<input type="text" value="Last Name"/>	This field cannot be empty
Username*	<input type="text" value="Username"/>	This field cannot be empty
Date of Birth*	<input type="text" value="dd-mm-yyyy"/>	
Gender	<input type="radio"/> Male <input checked="" type="radio"/> Female	
Email*	<input type="text" value="ss"/>	Error! Email must contain @ and .
Password*	<input type="password" value="....."/>	At least one letter At least one capital letter At least one number Be at least 8 characters
Phone Number	<input type="text" value="9999999999"/>	
Address*	<input type="text" value="street"/>	

CORRECT VALUES		
First Name*	<input type="text" value="raghu"/>	
Last Name*	<input type="text" value="nandan"/>	
Username*	<input type="text" value="raghunandan@gmail.com"/>	
Date of Birth*	<input type="text" value="01-04-2016"/>	
Gender	<input type="radio"/> Male <input checked="" type="radio"/> Female	
Email*	<input type="text" value="raghunandan@gmail.com"/>	
Password*	<input type="password" value="....."/>	At least one letter At least one capital letter At least one number Be at least 8 characters
Phone Number	<input type="text" value="9999999999"/>	
Address*	<input type="text" value="street"/>	

USER LOGIN FORM

localhost/ops/ops/pizza-web/web/src/userlogin.html



UTD PIZZA STORE

[Home](#) [Pizza](#) [Drinks](#) [Desserts](#) [Gallery](#)

Login Form

Username

Password

[Login](#) [NEW USER](#)

SHOPPING CART

← → ↻

localhost/ops/ops/pizza-web/web/src/indexcart.php

☆ 🔴 🟢 ☰

Products

GARDEN VEGGIE

Premium crushed tomato sauce, fresh green peppers, fresh red onions, fresh mushrooms, diced Roma tomatoes and fresh spinach.

Price \$ 10.00

Toppings

N/A

Spinach

Jalapeno Peppers

Green Olives

Quantity

Add

Back

VEGGIE LOVER'S

Classic marinara sauce made of 100% California grown vine-ripened tomatoes, fresh mushrooms, fresh red onions, fresh bell pepper, roma tomato and black olives

Price \$ 10.00

Toppings

N/A

Spinach

Jalapeno Peppers

Green Olives

Quantity

Add

Back

CHEESE LOVER'S

Creamy garlic Parmesan sauce topped with 50% more whole milk mozzarella cheese than our standard recipes, flavoured up with toasted Parmesan on the crust

Price \$ 10.00

Toppings

N/A

Spinach

Jalapeno Peppers

Green Olives

Quantity

Add

Back

Your Shopping Cart

Qty VEGGIE LOVER'S ☐ Remove

Qty CHEESE LOVER'S ☐ Remove

Qty MOUNTAIN DEW ☐ Remove

Qty CINNAMON STICKS ☐ Remove

Checkout

Update

localhost/ops/ops/pizza-web/web/src/view_cart.php

View Cart

Quantity	Name	Price	Total	Remove
<input type="text" value="1"/>	VEGGIE LOVER'S	\$ 10.00	\$ 10	<input type="checkbox"/>
<input type="text" value="1"/>	CHEESE LOVER'S	\$ 10.00	\$ 10	<input type="checkbox"/>
<input type="text" value="4"/>	MOUNTAIN DEW	\$ 1.50	\$ 6	<input type="checkbox"/>
<input type="text" value="1"/>	CINNAMON STICKS	\$ 4.00	\$ 4	<input type="checkbox"/>

Shipping Cost : \$ 1.50

VAT : \$ 4.00

Service Tax : \$ 2.00

Amount Payable : 37.50

Update

Add More Items

Logout

ADD/CREATE OPERATION

localhost/ops/ops/pizza-web/web/src/addproduct.html

UTD PIZZA STORE

Home Pizza Drinks Desserts Gallery

Add Type

Id:

Product Code:

Product Name:

Product Description:

Product Image:

Price:

DELETE OPERATION (BEFORE AND AFTER)

localhost/ops/ops/pizza-web/web/src/deletetype.php

ID Description Delete

1	pizza	Delete
2	drink	Delete
3	dessert	Delete
4	fcghjkl	Delete

After Delete

localhost/ops/ops/pizza-web/web/src/deletetype.php

ID Description Delete

2	drink	Delete
3	dessert	Delete
4	fcghjkl	Delete

VIEW OPERATION

localhost/ops/ops/pizza-web/web/src/viewproduct.php

UTD PIZZA STORE

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Id	Product Code	Product Name	product Description	Price
1	p1	GARDEN VEGGIE	Premium crushed tomato sauce, fresh green peppers, fresh red onions, fresh mushrooms, diced Roma tomatoes and fresh spinach.	10.00
2	p2	VEGGIE LOVER'S	Classic marinara sauce made of 100% California grown vine-ripened tomatoes, fresh mushrooms, fresh red onions, fresh bell pepper, roma tomato and black olives.	10.00
3	p3	CHEESE LOVER'S	Creamy garlic Parmesan sauce topped with 50% more whole milk mozzarella cheese than our standard recipes, flavoured up with toasted Parmesan on the crust.	10.00
4	p4	GLUTEN-FREE PEPPERONI PIZZA	Prepared using the procedures certified by the Gluten Intolerance Group (GIG), made with Udi's certified gluten-free crust, cheese, pepperoni and classic marinara sauce	10.00
5	p5	GLUTEN-FREE CHEESE PIZZA	Prepared using the procedures certified by the Gluten Intolerance Group (GIG); made with Udi's certified gluten-free crust and topped with marinara sauce and cheese.	10.00
6	p6	SUPREME	Classic marinara sauce, authentic old-world pepperoni, seasoned pork, beef, fresh mushrooms, fresh green bell peppers and fresh red onions.	15.00

UPDATE OPERATION

Home

Pizza

Drinks

Desserts

Home

Pizza

Drinks

Desserts

Gallery

Update Drink

Drink Id:

Drink Name:

Drink Description:

Price:

Submit

Back

UPDATED VALUE

Drink Id	Drink Name	Drink Description	Price
1	cola	cococola	1.5
2	dr pepper	Way more energizing and thirst quenching, with a one-of-a-kind great taste.	1.5
3	mountain dew	A signature blend of 23 flavors makes every sip truly unique.	1.5
4	aquafina	For the ultimate refreshment, enjoy the purest stuff around.	1.5

Home

Pizza

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ORIGINAL VALUE

Drink Id	Drink Name	Drink Description	Price
1	pepsi	pepsi	10
2	dr pepper	Way more energizing and thirst quenching, with a one-of-a-kind great taste.	1.5
3	mountain dew	A signature blend of 23 flavors makes every sip truly unique.	1.5
4	aquafina	For the ultimate refreshment, enjoy the purest stuff around.	1.5

SEARCH OPERATION

SEARCH BY KEYWORD / CATEGORY :

Keyword

search

Category

Search

SEARCH BY KEYWORD RESULT

Home

Pizza

Drinks

Desserts

You searched for meat

1 results found!

meat[meat.html](#)[Back](#)

SEARCH BY CATEGORY RESULT

Home

Pizza

Drinks

Desserts

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0 Name

1 pizza

2 dessert

3 drink

5. TEAM DETAILS AND WORK DIVISION

Team Members: The team consists of 2 members

- Panchami Rudrakshi – pgr150030
- Raghunandan Nuggehalli Ramesha – rxn150230

Work Details:

The database design was carried out by all the team mates in collaboration with the professor's feedback.

The project was divided into 4 modules

1. Signup / Login
2. Admin Data
3. User Data
4. Implementation of other required features

Module	Functionality	Worked By
Login	Admin and user signup, User/Admin authentication, Login forms, Validating the form in real time for user signup and login, Database design.	Raghunandan
Other features	Home page design, database design, Implementation of Shopping cart, Search features, session handling.	Panchami
User Data	Adding data and implementing features for the user's view and search. Shopping cart and order history implementation.	Panchami
Admin Data	CRUD operations and Pizza inventory design.	Raghunandan

6. CONCLUSION AND KEY LEARNING

The online pizza store website was successfully developed. All required functionalities namely form validations using JQuery and Ajax, features of adding/updating/viewing/deleting data, shopping cart, searching for data based on keywords and filtering the results based on different options, were implemented. Proposed features were like implementing an attractive user interface and shopping cart were implemented. Thus our website can be used as a framework for Online Pizza store . We made sure that our project had no more than 20% creeping rate of including new functions and excluding some mentioned functions based on the feasibility as proposed. Some of the future improvements that we can propose are implementing the email notification feature when the order is made or cancelled.