PIADA ITALIAN FOOD: An Italian Restaurant Web Application

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Project Description

Our project is a web application for an Italian restaurant called "Piada Italian Food". This web application allows customers to order food online, such as the various kinds of pasta, beverages, etc. The menu is accessible for everyone, and you can filter the dishes based on your input or the selected dish type. To make an order, an account is needed. By registering an account and logging in, customers will be able to put their favorite dishes into their wishlists or shopping carts. Customers are allowed to edit the number of dishes or remove dishes from the cart. Once an order is made, the price will be calculated and the customer can review the order history in the profile. The administrator account is able to add, edit, remove, and recover the dishes. Besides, the administrator has access to check all the order history from the database.

Database Design

We have decided to use MongoDB for our database. Initially, only one table called "menus" in our database is good enough to boot up our application. After a few test run, there will be five tables in our database, and they are "accounts", "menus", "cart", "wishlist", and "orders".
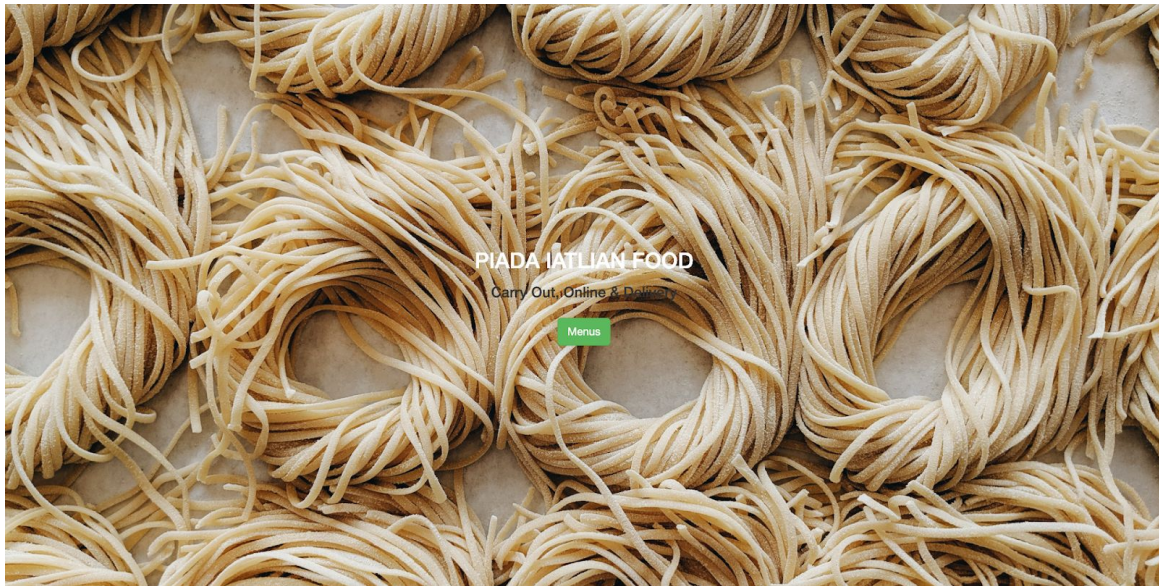
Just like their names referring to, the "accounts" table saves the information of each account. By default, the username will not be allowed to have duplicates. The "menus" table saves information about each dish. The "cart" table is the shopping cart collection related to each customer, and the "wishlist" table is the wishlist details related to each customer. Lastly, the "orders" table contains information about the customer's order history.
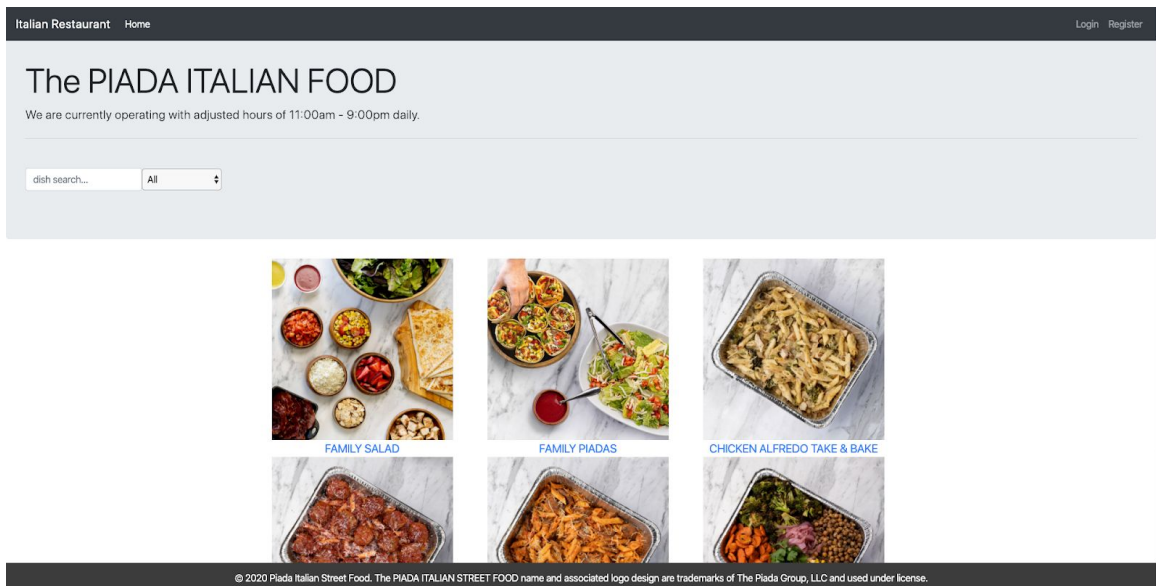
Languages/Frameworks

Here is the list of the languages and frameworks we used in our implementation:

- Node.js
- Express.js
- Javascript
- jQuery
- CSS
- HTML
- Bootstrap

Screenshots

The welcome page.

The home page.

User Login

yangzhaohua

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Login   Register

The login page.

Menu Details

Name: FAMILY SALAD

Price: $35.99

Type: FAMILY MEALS

Inventory: 98

Decription: A pan of greens and six garlic doughs, and then choose your favorite protein, house-made dressings, and fresh toppings to build your own salads at home. Feeds 4-6 people

Edit menus

Delete menus

The menu detail page (as the administrator).

Hello yangzhaohua!

Your shopping cart:

Name: FAMILY PIADAS   **Price:** $35.99

Type: FAMILY MEALS   **Inventory:** 95/day

Quantity: 1

Add 1   Remove 1

                                 Remove All

Name: POWER BOWL TAKE &   **Price:** $30.99
BAKE

Type: FAMILY MEALS   **Inventory:** 99/day

Quantity: 1

Add 1   Remove 1

                                 Remove All

Back to Home   Checkout

The shopping cart page.

Hello yangzhaohua!

Please confirm your order:

Your total is: **$66.98**.

	Name: FAMILY PIADAS **Price:** $35.99 **Type:** FAMILY MEALS **Inventory:** 95/day **Quantity:** 1
	Name: POWER BOWL TAKE & BAKE **Price:** $30.99 **Type:** FAMILY MEALS **Inventory:** 99/day **Quantity:** 1

Cancel Confirm

localhost:3000/menus/5e9f71d84ccda1e2ec355735

The confirm order page.

Hello yangzhaohua!

Your order has been made!

Back to Home

The success page.

Hello yangzhaohua!

Your order history:

OrderID: 1588712373514 Total price: $51.98	Time: 5/5/2020, 3:59:33 PM
OrderID: 1588712361535 Total price: $35.99	Time: 5/5/2020, 3:59:21 PM
OrderID: 1588708514184 Total price: $185.94	Time: 5/5/2020, 2:55:14 PM

The customer's profile page.

The order detail page.

The wishlist page.

Team Member & Work Division

Yanning Zhu (yxz180028):
- Register and Login function
- Admin and Customer validation
- Checkout function and pages
- Video recording

Zhaohua Yang (zxy170004):
- Welcome, Menu, and dish details pages
- "Add dishes" and "Edit dishes" function
- Paging, Searching and Filtering function

Yinglue Chen (yxc180006):
- Wishlist function and pages
- Shopping cart function and pages
- User profile and order history function and pages