Al-Imam Mohammad Ibn Saud Islamic University

College of Computer and Information Sciences

Computer Science Department

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La Tavola Italiana Restaurant

Project CS346

Instructor: Afnan Almoammar

Student's names	ID
Amal Misfer Alqahtani	442014262
Aljohara Abdulhakeem Bin Dokhi	441019027
Sadeem Alsudairy	442013563
Arwa Almahmoud	441021481
Lubna Alajlan	442014185

OVERVIEW

Project description:

La Tavola Italiana is a restaurant website dedicated to offering authentic Italian cuisine. The platform is designed to enhance the user experience by providing a seamless and modern interface for browsing the menu, placing orders, and booking tables at the restaurant.

Key Features:

1. **Menu Browsing Without Login**
   Users can explore the full menu without the need to log in. This allows potential customers to view all available dishes, including descriptions, prices, and images of the meals offered by the restaurant.

2. **Order Placement (Login Required):**
   If a user wants to place an order, they are required to log in for an account. Once logged in, they are automatically redirected to the menu, where they can select their desired items, add them to their cart, and proceed with the order.
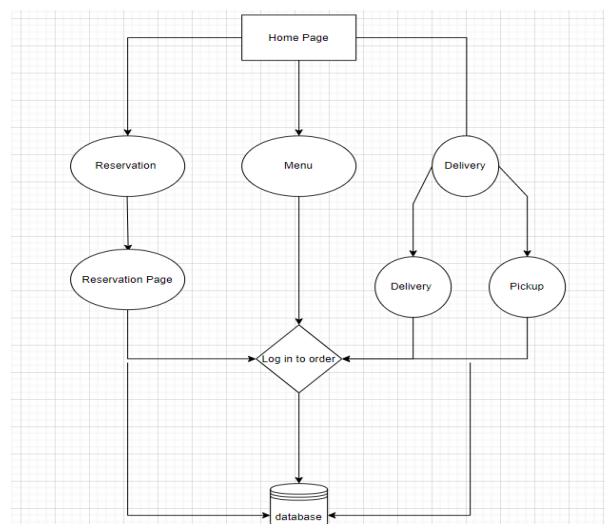
3. **Table Reservation:**
   Users have the option to reserve a table at the restaurant by clicking on the "Reserve" button. The reservation form requires users to provide personal information such as name, contact details, and the preferred reservation time and date. This feature simplifies the process of securing a table for dine-in.

4. **Delivery or Pickup Options:**
   The system allows users to choose between delivery or picking up their order from the nearest restaurant branch. This feature adds flexibility, enabling users to receive their food more conveniently.
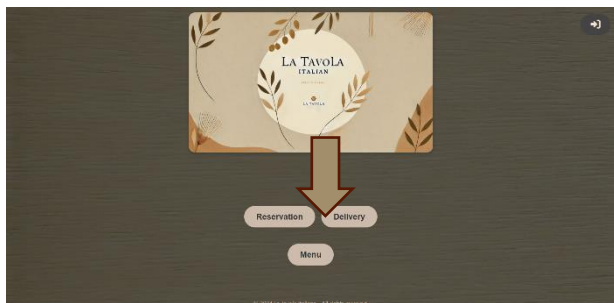
Flow Chart:

Technologies used:

- **Frontend**: HTML, CSS and JS
- **Backend:** Node.js with Express
- **Database:** MongoDB
- **Multiple Payment Gateways Integration:** Provide customers with various payment options.

Screenshots:

Home page:

If user

Press

Reservation

Reservation Page:

Here if user press Delivery:

Then select the branch:

Registration

Full Name

Enter Full Name

Username

Enter Username

Email

Enter Email

Phone Number

Enter Phone Number

Password

Enter Password

Confirm Password

Confirm Password

Gender

○ Male ● Female

Register

Login

Email

Enter Email

Password

Enter Password

☐ Remember me

Forgot password? | Don't have an account? Register now

Login

Menu:

LA TAVOLA ITALIANA   PIZZA   PASTA   Desserts   Drinks   Login   Cart (0)

PIZZA

Vegetable pizza.
$9.00   Add to Cart

Margherita pizza.
$8.00   Add to Cart

PASTA

Pasta withe creamy tomato
$20.00   Add to Cart

Pasta Salad
$14.00   Add to Cart

Desserts

cheesecake
$22.00   Add to Cart

Tiramisu
$15.00   Add to Cart

Setup:

Before setting up the project, ensure that the following tools are installed on your system:

- **Node.js**

- **npm** or **yarn**

- **MongoDB**

- **Git**

- **A web browser** (to access the website locally)

Feature work:

- **User Reviews and Ratings**: Allow users to leave reviews and rate individual menu items after completing an order.
- **Order Tracking System**: Allows users to track the status of their orders in real-time.
- **Multi-Language Support:** Cater to a broader, international audience by offering the website in multiple languages.
- **Multiple Payment Gateways Integration:** Provide customers with various payment options.

Resources:

https://youtu.be/_jm15Bhw3YQ?si=_G-9ltCvjmBEJ4Z5

https://youtu.be/cpQzUW1Ibqg?si=LkIMMwnE6SKWdaoK

/https://app.diagrams.net

/https://www.postman.com

https://youtu.be/jvaBaxlTqU8?si=uMCsXeYzsjeW4K8n