

**Mini Project - II**  
**(2020-2021)**

**Friends & Family Restraunt**  
**(F&F)**

**Mid-Term Report**

**Department of Computer Engineering & Applications  
Institute of Engineering & Technology**



**GLA**  
**UNIVERSITY**  
**MATHURA**  
Established vide U.P. Act 21 of 2010.

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## **Abstract**

Restaurant is a kind of business that serves people all over world with readymade food. Currently this industry is going on with lot of flare. People feel more comfortable with lot of variations in the selection and consumption of their food in their busy life.

One can see lot more restaurant in the world. Even in India one can see thousands of restaurants with dishes from all over the world like from America, Japan, Turkey, etc fulfilling the needs of people with nourishments and enjoyments.

Let's concentrate on booking area in a restaurant. In traditional booking system, a customer has to make a phone call in order to get his meal reserved. If luckily the phone gets connected, then the customer does some formal conversation like hello, hi, etc. Then he demands for today's menu and do some discussion over menu items then he orders and he has to give some of this identification specifications. This process takes 5-8 minutes to complete. On the receiver side there is hardly one phone line and one operator. So he can cover around 15-20 orders maximum in an hour.

For each booking he has to register manually on paper and puts the order in a queue with specific priority according to time and quantity, and then a cook is assigned for the specific order to complete it. But our problem lies within domain of end customer and restaurant.

## Introduction

### About

"Online Restaurant Management System" is a web application. This system is developed to automate day to day activity of a restaurant. Restaurant is a kind of business that serves people all over world with ready made food. This system is developed to provide service facility to restaurant and also to the customer. This restaurant management system can be used by employees in a restaurant to handle the clients, their orders and can help them easily find free tables or place orders. The services that are provided is food ordering and reservation table management by the customer through the system online, customer information management and waiter information management, menu information management and report. The restaurant menu is organized by categories (appetizers, soups, salads, entrees, sides and drinks) of menu items. Main objective build the system this is to provide ordering and reservation service by online to the customer. Each menu item has a name, price and associated recipe. A recipe for a menu item has a chef, preparation instruction sand associated ingredients. With this system online, ordering and reservation management will become easier and systematic to replace traditional system where are still using paper. To resister a meal online, the customer has to become a member first then he can access the later part of the site. this project to facilitate customer for make online ordering and reservation. The option of becoming member was only an attempt to avoid (to some extent) placing the fake bookings.

### Scope

The project is developing because; many restaurants have a lot difficult to manage the business such as customer ordering and reservation table. If the customer book an order and later wants to cancel the order, he is permitted to do this only within a specific time period. By using manual customer ordering is difficult to waiter keep the correct customer information and maybe loss the customer information. The customer is also given with the facility to view the status of the order and if the order is ready then he can go and get it.

## **Hardware Requirements:**

- Pentium Processor
- 60 MB of free hard-drive space
- 128 MB of RAM

## **Software Requirements:**

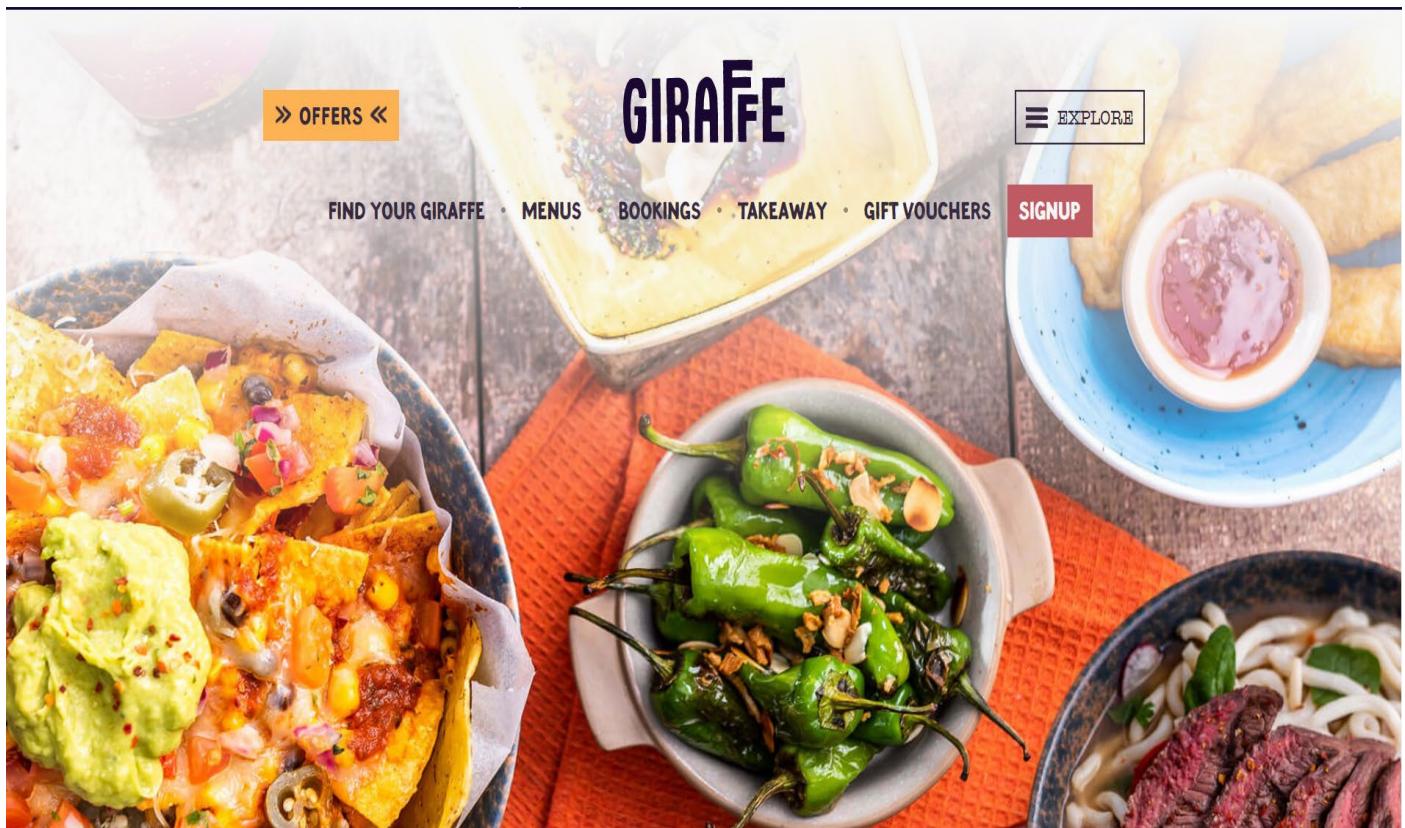
- Operating System: Windows (Vista/7 or above)
- Web Browser: IE 10 or above, Mozilla FF 31 or Google Chrome
- Drivers: Java Runtime Environment
- Integrated Development Environment: Eclipse J2EE or Apache Tomcat

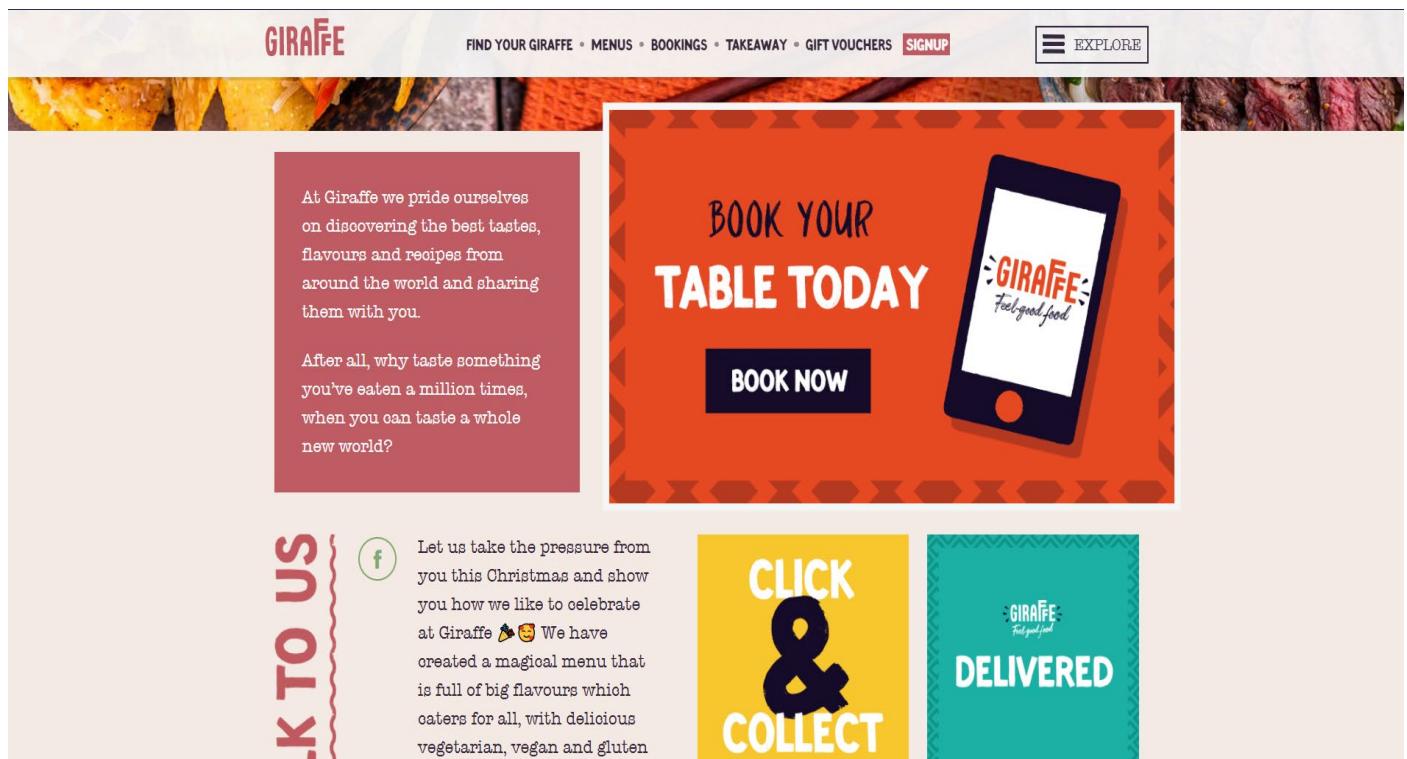
## Objective

Friends and Family Restraunt is a website designed primarily for use in the food delivery industry. This system will allow hotels and restaurants to increase scope of business by reducing the labor cost involved. The system also allows to quickly and easily manage an online menu which customers can browse and use to place orders with just few clicks. Restaurant employees then use these orders through an easy to navigate graphical interface for efficient processing.

## Implementation

### Expected Design





The Giraffe website features a top navigation bar with links to 'FIND YOUR GIRAFFE', 'MENUS', 'BOOKINGS', 'TAKEAWAY', 'GIFT VOUCHERS', 'SIGNUP', and 'EXPLORE'. Below the header is a banner with a red background and a smartphone displaying the Giraffe logo. To the left, there's a text box about exploring new tastes, and to the right, a large 'BOOK YOUR TABLE TODAY' button with a 'BOOK NOW' link.

At Giraffe we pride ourselves on discovering the best tastes, flavours and recipes from around the world and sharing them with you.

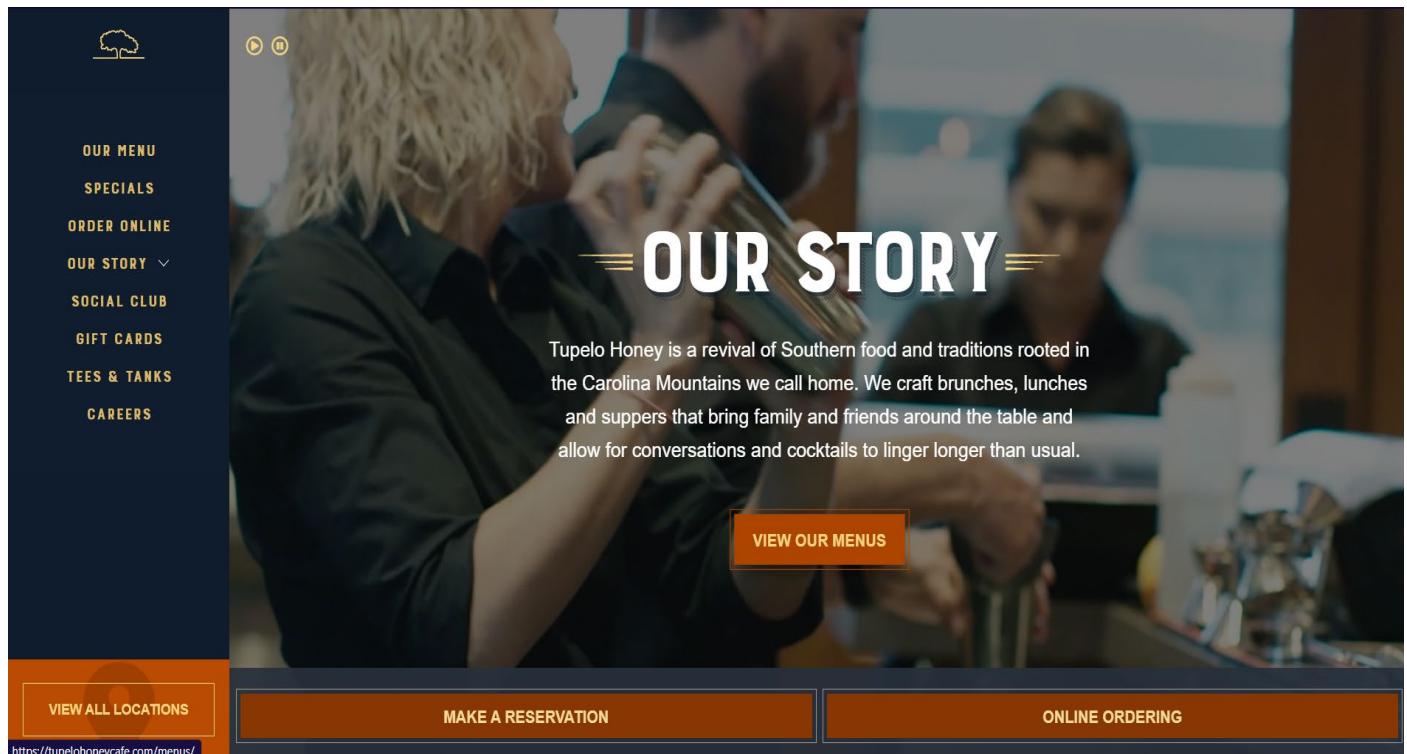
After all, why taste something you've eaten a million times, when you can taste a whole new world?

BOOK YOUR TABLE TODAY

BOOK NOW

CLICK & COLLECT

DELIVERED



The Tupelo Honey Cafe website has a dark blue sidebar with links to 'OUR MENU', 'SPECIALS', 'ORDER ONLINE', 'OUR STORY', 'SOCIAL CLUB', 'GIFT CARDS', 'TEES & TANKS', and 'CAREERS'. It also includes a 'VIEW ALL LOCATIONS' button and a link to their menu page (<https://tupelohoneycafe.com/menus/>). The main content area features a video of people in a restaurant, a large 'OUR STORY' heading, and a paragraph about their Southern roots. At the bottom, there are buttons for 'VIEW OUR MENUS', 'MAKE A RESERVATION', and 'ONLINE ORDERING'.

OUR STORY

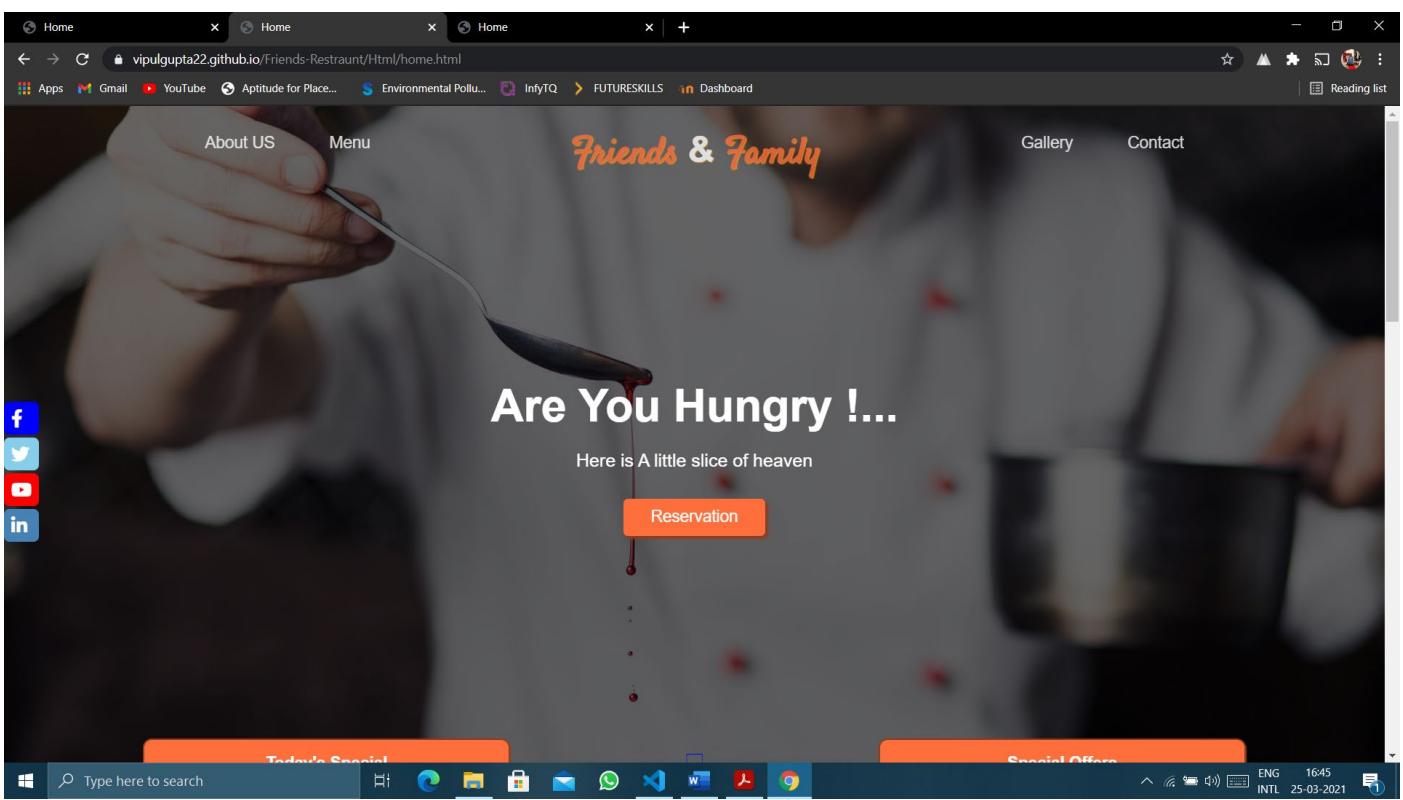
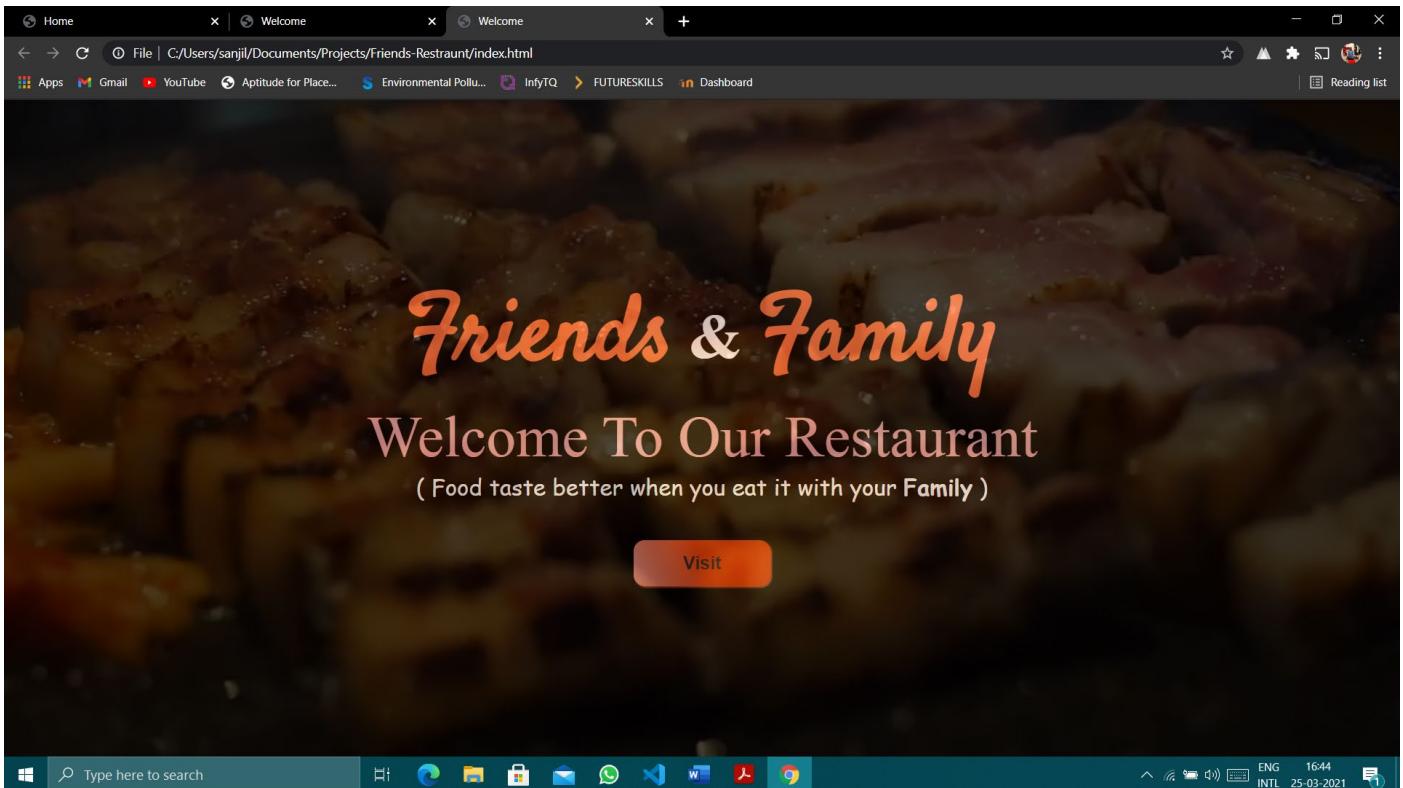
Tupelo Honey is a revival of Southern food and traditions rooted in the Carolina Mountains we call home. We craft brunches, lunches and suppers that bring family and friends around the table and allow for conversations and cocktails to linger longer than usual.

VIEW OUR MENUS

MAKE A RESERVATION

ONLINE ORDERING

## Our Design



The screenshot shows a web browser window with the URL [vipulgupta22.github.io/Friends-Restaurant/Html/About-us.html](http://vipulgupta22.github.io/Friends-Restaurant/Html/About-us.html). The page has a dark header with the restaurant's name in orange. Below the header is a large, high-quality photograph of the restaurant's interior, which is modern and rustic with arched windows, wooden tables, and yellow chairs. The main title 'About-Us' is centered in a large, bold, black sans-serif font. At the bottom of the page is a standard Windows-style taskbar with icons for various apps like File Explorer, Edge, and Google Chrome.

This screenshot shows the same 'About-us' page from the previous image, but with a different content layout. It features a large, semi-transparent text box containing a narrative about the restaurant's development and its focus on Indian cuisine. Below this text box is a section titled 'Our Team' in bold black font. The rest of the page follows the same dark-themed design with a banner image and a taskbar at the bottom.

The screenshot shows a web browser window with the URL [vipulgupta22.github.io/Friends-Restraunt/Html/About-us.html](http://vipulgupta22.github.io/Friends-Restraunt/Html/About-us.html). The page title is "Management". It features four cards, each containing a circular profile picture and the name and title of a team member. The cards are arranged horizontally.

- ARVIND JAISWAL**  
Web Programmer | Design Thinker
- SATYAM SINGH**  
Web Programmer | Design Thinker
- VIPUL**  
Web Programmer | Design Thinker
- UMESH PRATAP SINGH**  
Java Programmer | web Programmer

Each card also includes social media links for LinkedIn, GitHub, and Instagram.

The screenshot shows a web browser window with the URL [vipulgupta22.github.io/Friends-Restraunt/Html/Menu.html](http://vipulgupta22.github.io/Friends-Restraunt/Html/Menu.html). The page title is "Friends & Family". The main content section is titled "OUR BREAKFAST" and displays eight breakfast items with their names and prices:

- Adai — Rs.30
- Akki Roti — Rs.20
- Aloo Paratha — Rs.40
- Bread Pakora — Rs.30
- Bread Pizza
- Bread Upma
- Cheese Dosa
- Chilla

Below the menu items are small images of the food. The browser interface at the bottom includes a search bar, taskbar icons, and system status indicators.

## Friends & Family Restraunt

The screenshot shows a contact form titled "Get In Touch With Us >>". On the left, there's a "Contact Info" section with icons for location (123 Krishna nagar, Delhi, 121102), email (f&f@gmail.com), and phone (999-999-9999). Below this are social media links for Facebook, Twitter, Instagram, Pinterest, and LinkedIn. The main form area has fields for First Name, Last Name, Email Address, and Mobile Number. A message input field says "write your message here...". A "Send" button is at the bottom. The background features a yellow and dark green color scheme.

The screenshot shows a menu page with four placeholder images labeled "Lorem ipsum". Below the images, the restaurant's name "Friends & Family" is displayed in a stylized font. To the left, there are sections for "Follow" (with icons for social media) and "Address" (listing the address as 123 Krishna Nagar, Delhi, 121102). In the center, the "Opening Hours" are listed with times from Monday to Sunday. To the right, a "Contact Us" section includes fields for Email (user123@mail.com), Name (John khan), a message input field ("Write Your Query..."), and a "Query" dropdown. A "Submit" button is at the bottom right. The footer contains the copyright notice "CopyRight Reserved by friends & family 2021".

## Progress

### Part 1: Building a Friends – Restraunt Website

1. Create an index.html which shows the welcome page and which will redirect to the Home page of our Website.
2. Adding various features to the website:
  1. Home
  2. Menu
  3. Reservation
  4. About Us
  5. Contact Us
  6. Payment Gateway
  7. Restraunt Gallery
3. Menu page created with different types of food in our Daily Routines.

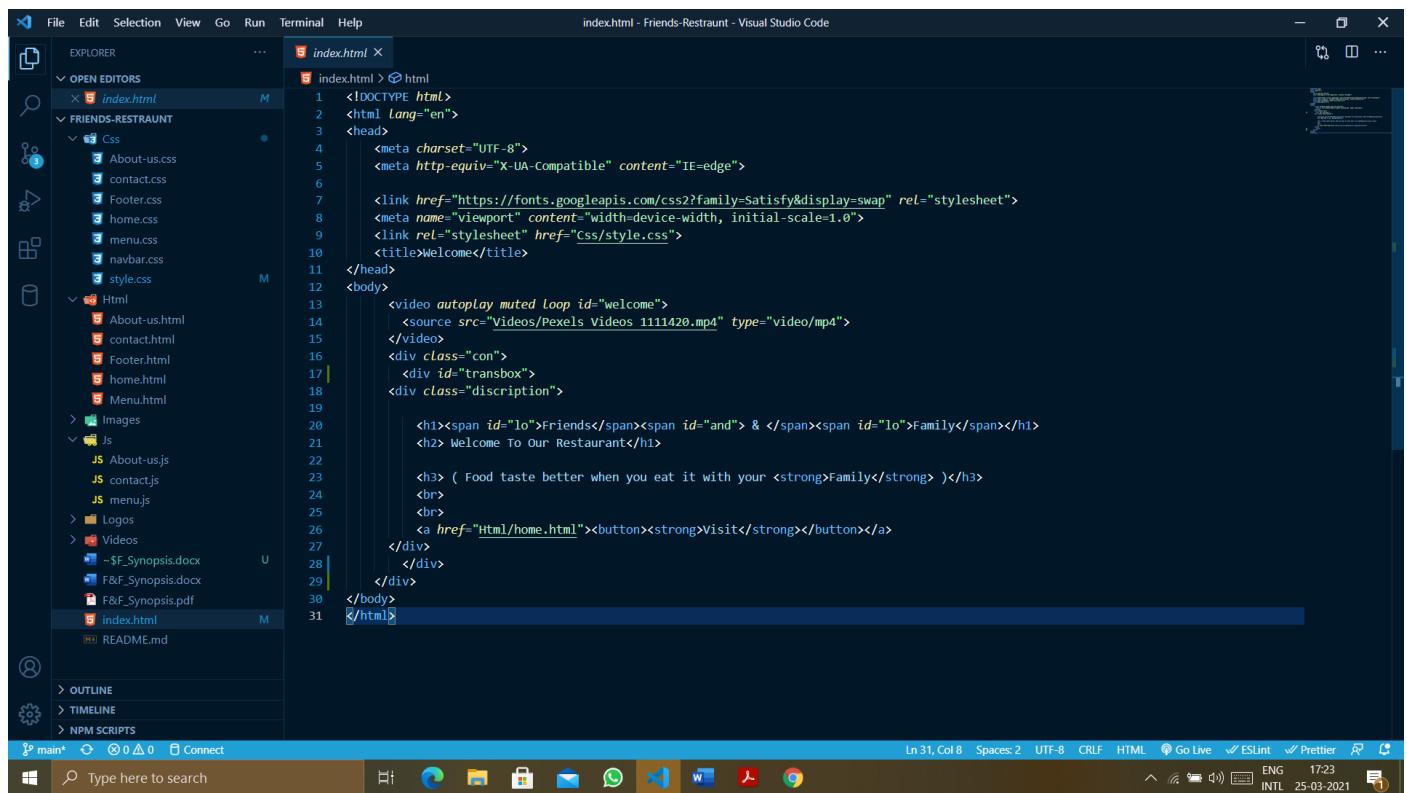
### Part 2: Adding various Features

1. Adding Gallery which shows our best quality ratings.
2. Home page added
3. Added About Us, Contact Us, and Login/Signup pages.

## Work Left

1. Deploying to Web
2. Backend
3. Payment Gateway
4. Reservation

# Screenshots



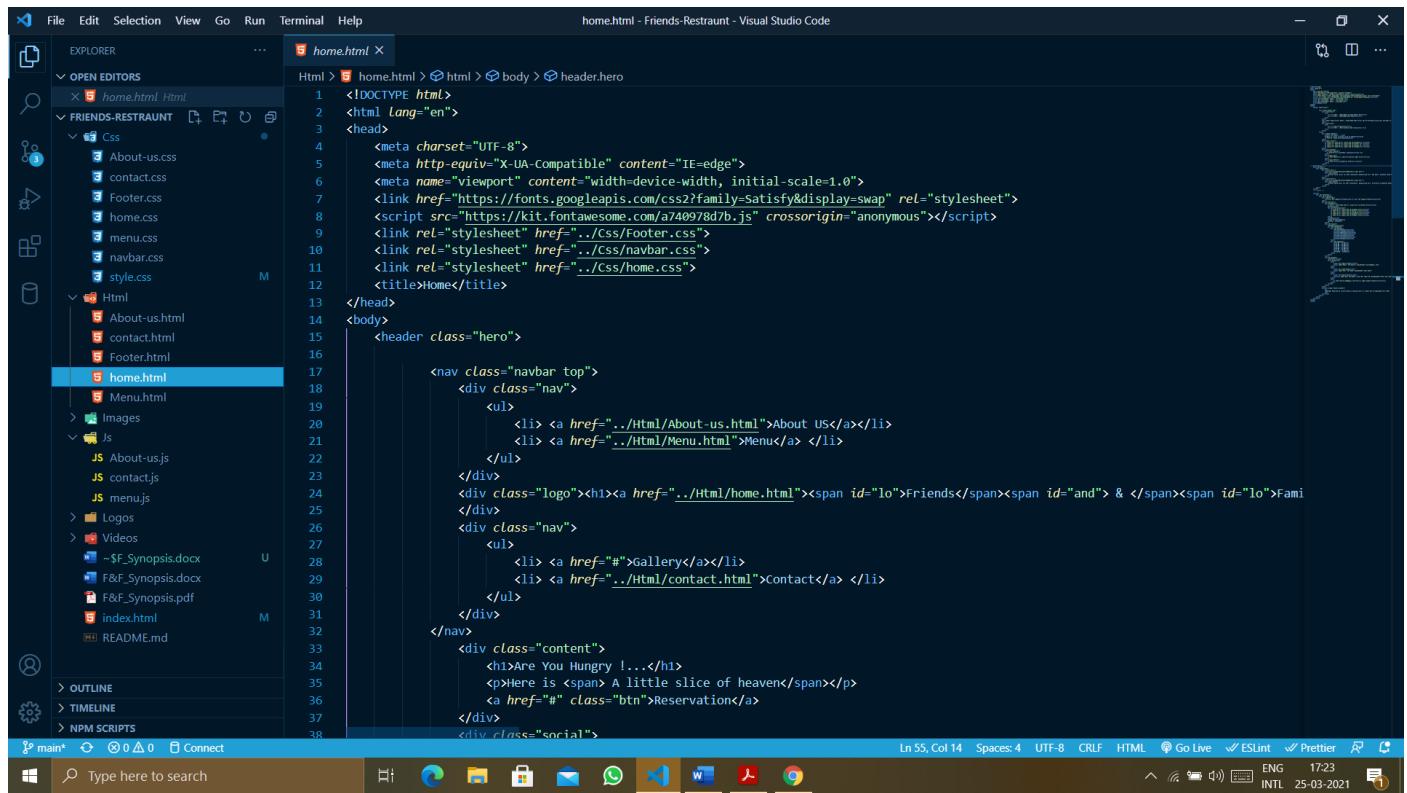
The screenshot shows the Visual Studio Code interface with the file `index.html` open in the editor. The code is an HTML document with various sections including a video player, navigation links, and a welcome message.

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <link href="https://fonts.googleapis.com/css2?family=Satisfy&display=swap" rel="stylesheet">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="css/style.css">
    <title>Welcome</title>
</head>
<body>
    <video autoplay muted loop id="welcome">
        <source src="Videos/Pexels Videos 1111420.mp4" type="video/mp4">
    </video>
    <div class="con">
        <div id="transbox">
            <div class="description">
                <h1><span id="lo">Friends</span><span id="and"> &lt;/span><span id="lo">Family</span></h1>
                <h2> Welcome To Our Restaurant</h2>
                <h3> ( Food taste better when you eat it with your <strong>Family</strong> )</h3>
                <br>
                <br>
                <br>
                <a href="Html/home.html"><button><strong>Visit</strong></button></a>
            </div>
        </div>
    </div>
</body>
</html>

```



The screenshot shows the Visual Studio Code interface with the file `home.html` open in the editor. The code is an HTML document with a header section containing a navigation bar and social media links.

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link href="https://fonts.googleapis.com/css2?family=Satisfy&display=swap" rel="stylesheet">
    <script src="https://kit.fontawesome.com/a740978d7b.js" crossorigin="anonymous"></script>
    <link rel="stylesheet" href="..//css/Footer.css">
    <link rel="stylesheet" href="..//css/navbar.css">
    <link rel="stylesheet" href="..//css/home.css">
    <title>Home</title>
</head>
<body>
    <header class="hero">
        <nav class="navbar top">
            <div class="nav">
                <ul>
                    <li><a href="..//HTML/About-us.html">About us</a></li>
                    <li><a href="..//HTML/Menu.html">Menu</a></li>
                </ul>
            </div>
            <div class="logo"><h1><a href="..//HTML/home.html"><span id="lo">Friends</span><span id="and"> &lt;/span><span id="lo">Family</span></h1></a></div>
            <div class="nav">
                <ul>
                    <li><a href="#">Gallery</a></li>
                    <li><a href="..//HTML/contact.html">Contact</a></li>
                </ul>
            </div>
        </nav>
        <div class="content">
            <h1>Are You Hungry !...</h1>
            <p>Here is <span> A little slice of heaven</span></p>
            <a href="#" class="btn">Reservation</a>
        </div>
    </header>
    <div class="social">

```

## Friends & Family Restraunt

The screenshot shows the Visual Studio Code interface with the file "home.html" open in the editor. The code is an HTML document with various sections like header, main content, and footer. The footer contains social media links for Facebook, Twitter, Instagram, and YouTube.

```
<html><head></head><body><header>
<div class="offers">
    <a href="#">Special Offers</a>
</div>
</header>
<main id="main">
    <div class="box">
        <div class="box-1">
            
            <div class="para">
                <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Rem quasi, obcaecati quod esse, labore quidem cupiditate, et quisquam nisi. Quia, ut!</p>
            </div>
        </div>
        <div class="box-2">
            
            <div class="para">
                <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Architecto voluptatum debitis facilis eum aspernatur&lt;br&gt;et quod. Quia, ut!</p>
            </div>
        </div>
    </div>
    </main>
<!-- footer -->
<footer>
    <div id="footerbox">
        <div id="transbox">
            <div class="logo">
                <h1><span id="logoo111">Friends</span> &lt;span id="logoo111">Family</span></h1>
            </div>
            <div id="box2foot">
                <div id="box111">
                    <a href="../HTML/home.html"><i class="fas fa-coffee fa-4x"></i></a>
                    <h2>Follow</h2>
                    <div id="footsocialicon">
                        <a href="#"><i class="fab fa-facebook fa-2x"></i></a>
                        <a href="#"><i class="fab fa-twitter fa-2x"></i></a>
                        <a href="#"><i class="fab fa-instagram fa-2x"></i></a>
                        <a href="#"><i class="fab fa-youtube fa-2x"></i></a>
                    </div>
                </div>
            </div>
        </div>
    </div>
</footer>

```

The screenshot shows the Visual Studio Code interface with the file "home.html" open in the editor. The code includes a section for opening hours with a timetable table and a contact form at the bottom.

```
<html><head></head><body><header>
</div>
<div id="box222">
    <h2>Opening Hours</h2>
    <div id="timetable">
        <div id="dayfoot">
            <h3><span>Monday</span></h3>
            <h3><span>Tuesday</span></h3>
            <h3><span>Wednesday</span></h3>
            <h3><span>Thursday</span></h3>
            <h3><span>Friday</span></h3>
            <h3><span>Saturday</span></h3>
            <h3><span>Sunday</span></h3>
        </div>
        <div id="timefoot">
            <h3>9:00 - 23:00</h3>
            <h3>7:00 - 24:00</h3>
            <h3>10:00 - 24:00</h3>
        </div>
    </div>
    <div id="box333">
        <h2>Contact Us</h2>
        <form action="#">
            <div>
                <label for="email1">Email</label>
                <input type="email" id="email1" placeholder="user123@mail.com">
            </div>
            <div>
                <label for="name">Name</label>
                <input type="text" id="name" placeholder="John Khan">
            </div>
            <div>
                <label for="Query">Query</label>
                <textarea name="mse" id="Query" cols="30" rows="10" placeholder="Write Your Query..."></textarea>
            </div>
        </form>
    </div>

```

## Friends & Family Restraunt

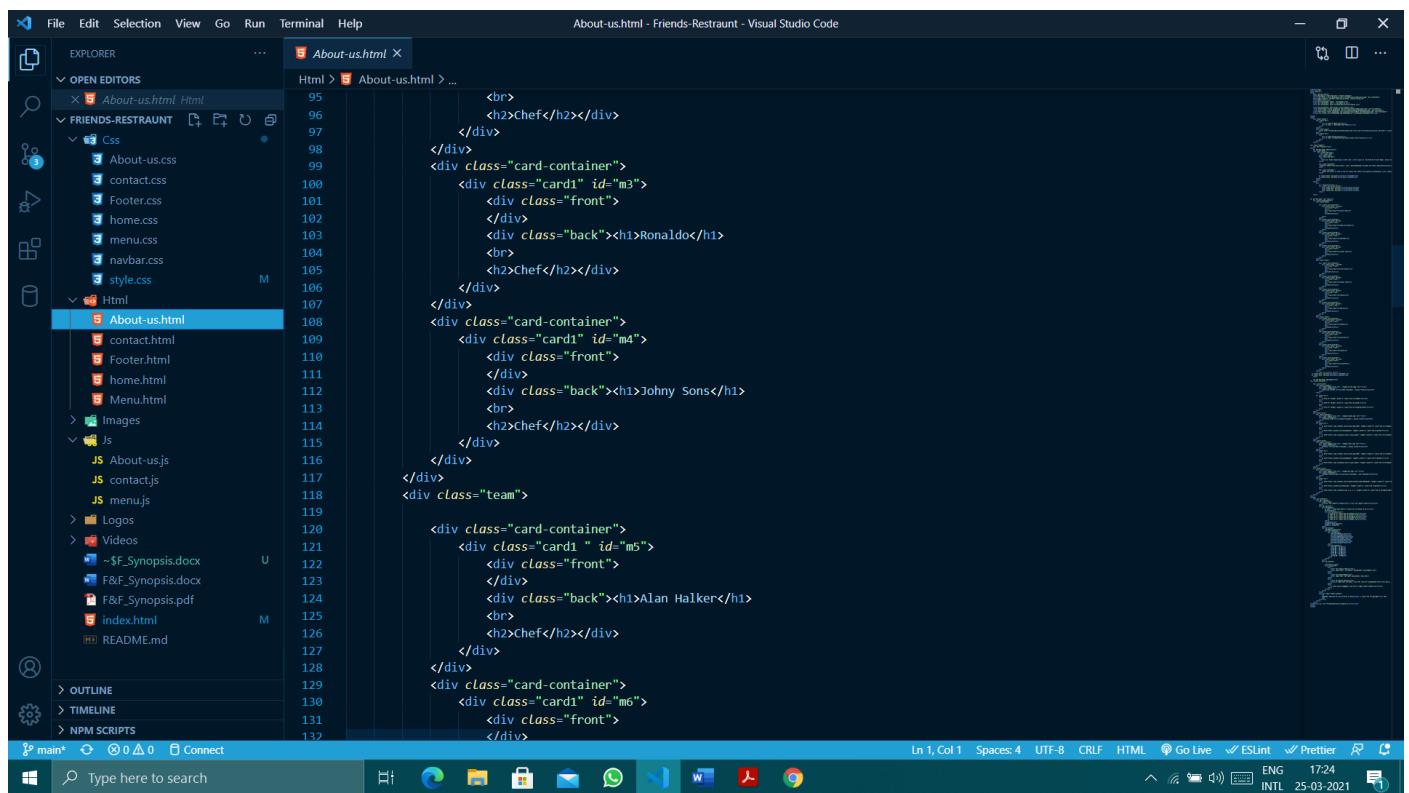
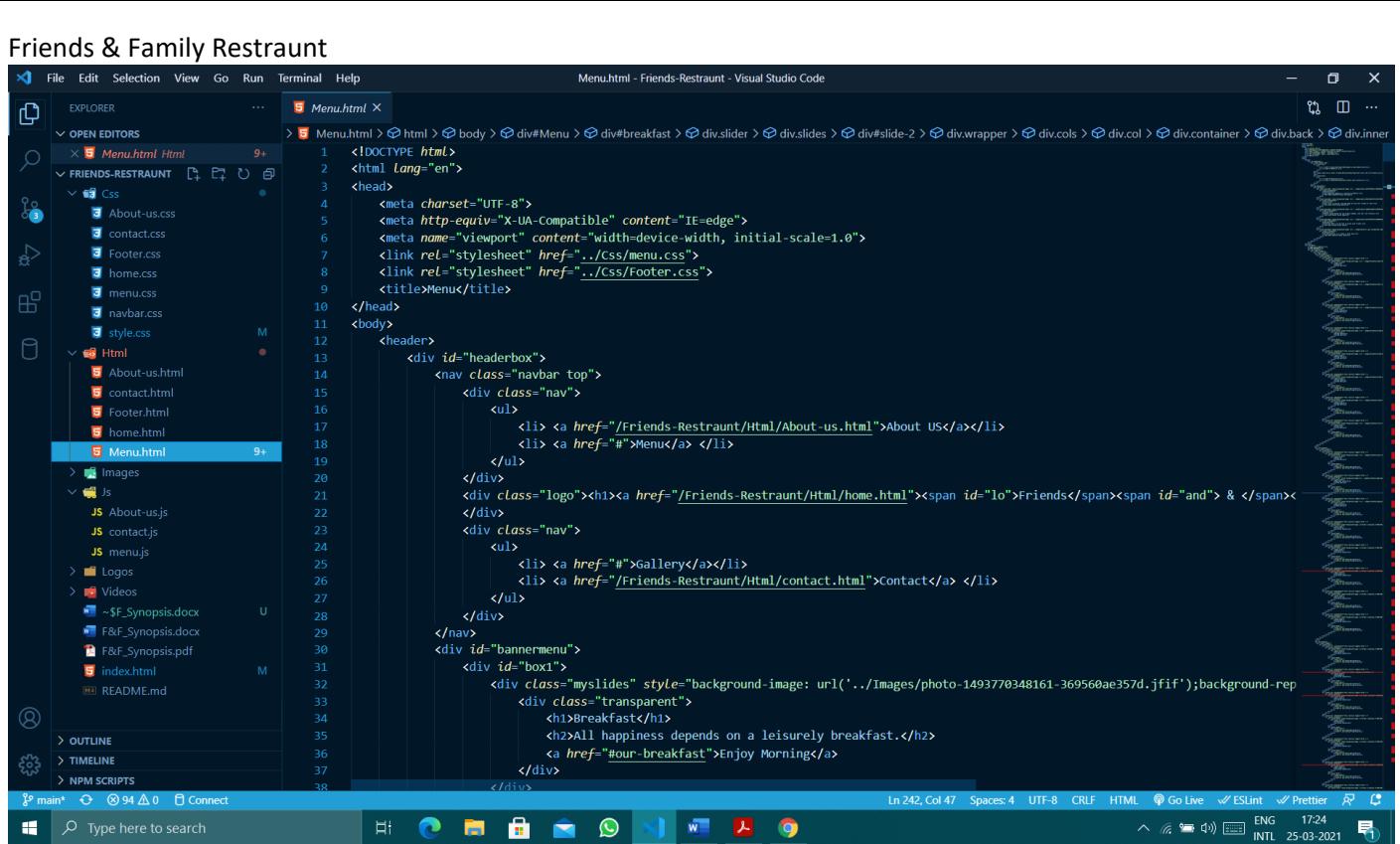
The screenshot shows the Visual Studio Code interface with the file 'contact.html' open in the editor. The code is an HTML document with various CSS and JavaScript files linked. It includes a background image, a contact section with an address, and a form section with input fields. The code is well-structured with comments and proper indentation.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="/Friends-Restraunt/css/contact.css">
    <link rel="stylesheet" href="/css/navbar.css">
    <link rel="stylesheet" href="https://fonts.googleapis.com">
    <link href="#" rel="Follow link (ctrl + click)" href="https://apis.com/css?family=Sacramento&display=swap" rel="stylesheet">
    <link rel="p" href="#" Loading...
    <link href="https://fonts.googleapis.com/css?family=Sacramento&display=swap" rel="stylesheet">
    <title>Contact</title>
</head>
<body>
    <div style="background-image: url(..Images/rest3.jpg);height: 500px; background-repeat: no-repeat; background-size: cover;">
        <div style="height: 90px; background-image: url(..Images/pawel.jpg); background-size: cover;">
            <h2 style="text-align: center; font-family: 'Sacramento', cursive; font-family: 'Srisakdi', cursive; font-size: 48px; color: #009555;">Get In Touch With Us ></h2>
        </div>
        <div class="section">
            <div class="container">
                <div class="contactInfo">
                    <h2>Contact Info</h2>
                    <ul class="info">
                        <li>
                            <span></span>
                            <span>123 Krishna nagar <br> Delhi, 121102</span>
                        </li>
                    </ul>
                </div>
            </div>
        </div>
    </div>
    <div class="sci">
        <ul>
            <li>
                <a href="#"></a>
            </li>
            <li>
                <span> </span>
                <span>999-999-9999</span>
            </li>
        </ul>
        <ul class="sci">
            <li>
                <a href="#"></a>
            </li>
            <li>
                <a href="#"></a>
            </li>
            <li>
                <a href="#"></a>
            </li>
            <li>
                <a href="#"></a>
            </li>
        </ul>
    </div>
    <div class="contactForm">
        <h2>Send a message</h2>
        <div class="formBox">
            <div class="inputBox w50">
                <input type="text" required>
                <span>First Name</span>
            </div>
            <div class="inputBox w50">
                <input type="text" required>
                <span>Last Name</span>
            </div>
            <div class="inputBox w50">
                <input type="email" required>
                <span>Email Address</span>
            </div>
            <div class="inputBox w50">
                <input type="text" required>
                <span>Mobile Number:</span>
            </div>
            <div class="inputBox w100">
                <textarea required></textarea>
                <span>Write your message here...</span>
            </div>
        </div>
    </div>

```

This screenshot shows the same Visual Studio Code interface as the first one, but with several lines of code removed from the 'contact.html' file. Lines 40 through 77 are missing, which correspond to the social media links and the contact form input fields. The rest of the code remains the same as in the first screenshot.

```
<span></span>
</li>
<li>
    <span> </span>
    <span>999-999-9999</span>
</li>
</ul>
<ul class="sci">
    <li>
        <a href="#"></a>
    </li>
    <li>
        <a href="#"></a>
    </li>
    <li>
        <a href="#"></a>
    </li>
    <li>
        <a href="#"></a>
    </li>
</ul>
</div>
<div class="contactForm">
    <h2>Send a message</h2>
    <div class="formBox">
        <div class="inputBox w50">
            <input type="text" required>
            <span>First Name</span>
        </div>
        <div class="inputBox w50">
            <input type="text" required>
            <span>Last Name</span>
        </div>
        <div class="inputBox w50">
            <input type="email" required>
            <span>Email Address</span>
        </div>
        <div class="inputBox w50">
            <input type="text" required>
            <span>Mobile Number:</span>
        </div>
        <div class="inputBox w100">
            <textarea required></textarea>
            <span>Write your message here...</span>
        </div>
    </div>
</div>
```



## **Data-Collection**

For OTP we will be using API:

<http://web.dev/web-otp>

## **References**

- <https://www.giraffe.net/>
- <https://www.arethusaaltavolo.com/>
- <https://tupelohoneycafe.com/>