

MINI-PROJECT – 1
(2020-2021)

THE FOOD VILLA
(Online Restaurant)
Mid-Term Report



**Department of Computer Engineering &
Applications**
Team Members

Kshitij Gupta: Uni roll no: 181500336
e-mail: kshitij.gupta_cs18@gla.ac.in
GitHub: Kshitij879

Amber Gupta: Uni Roll No: 181500081
e-mail: amber.gupta_cs18@gla.ac.in
GitHub: dahaad

Rachit Rai : Uni Roll No: 181500524
email: rachit.ra_i_cs18@gla.ac.in
GitHub: rachitrai99

Divyam Gupta: Uni Roll No: 181500219
Email: divyam.gupta_cs18@gla.ac.in
GitHub: divyam2080

Supervised By

Dr. Anand Parkash Gupta

Mrs. Ruchi Gupta

Asst. Professor

Department of Computer Engineering & Applications

CONTENTS

Abstract

1.Introduction

- 1.1 General Introduction to the topic
- 1.2 Language Description
- 1.3 Hardware and Software Requirements

2.Problem Statement

3.Objectives

4.Implementation Details

5.Progress till Date and remaining work

6.Some Screenshots

7.References

ABSTRACT

The purpose of online restaurant(food villa) is to automate the existing system with the help of computerized equipment and website. By this move their valuable data and information can be saved for a longer period and can help to provide details on their next order.

Online restaurant can lead to secure , reliable and fast management system . Thus it will help organization in better utilization of resources.

The aim is to automate existing manual system by the help of internet and computer equipments ,fulfilling users requirement .Basically project describes an easy way to reach to food in a very quick manner.

This Website has been made in a user friendly interface. So that Customer can add and delete the food items easily. The menu card of different restaurant , consists of various food varieties available in the restaurant. Through the place ordering menu, the customer can simply click and order the food. Every order is associated with an individual seat at the table, and orders are built one customer at a time, just like on paper, but with greater accuracy.

INTRODUCTION

1.1 GENERAL INTRODUCTION TO THE TOPIC-

"FOOD VILLA" is a website(Online Restaurant Management System). 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 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 menu information management. 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. 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 login 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 logging in was only an attempt to avoid (to some extent) placing the fake bookings.

Online Restaurant management system is the system for manage the restaurant business. After successful login the customer can access the menu page with the items listed according to the desired time. The main point of developing this system is to help restaurant administrator manage the restaurant business and help customer for online ordering and reserve table. In proposed system user can search for a menu according to his choice i.e. category of food and later he can order a meal.

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.

So, online restaurant management system will develop to help the restaurant administrator to manage restaurant management and for customer make their online ordering and reservation table. Other than that, this project is to upgrade the manual system and make the business easily to access and systematic.

CUSTOMER

This user will register to be a member to use the online system of this online restaurant management system. This online ordering divided into two type of customer; it is customer dine-in ordering and takeaway ordering. For dine in ordering, customer will view menu, make online ordering and make a reservation table. This system allows customer to place an order or allow him to cancel the book order. But takeaway ordering, customer can view menu and online ordering without reservation table. During login, the costumer has to enter the time of delivery, and the menu items will appear accordingly. As availability of items differ from time to time. After customer make online ordering, customer can take ordering the date that customer was choose during make online ordering. Customers can search menu according to price range and the category as well, Event though, customer must confirm online ordering with restaurant three days before customer take the ordering for dine-in customer and for take-away customer will be confirm one hour before it whether by email or phone. customer can create his new account or he can edit his personal information from the existing account.

ADMINISTRATOR

Administrator or manager is the person who will manage the entire system. he is allowed to reassign the cook according to his priority, he can edit the menu information such as its price, items available currently, etc. This type of user will also do maintenance and control the application of this system. A manager can reassign the cook for a specific order or an item. Administrator takes a responsibility to register new customer, register new waiter, register new menu into database. A manager can edit/create some or whole part of the menu record on daily basis. That is by changing the menu items, prices, description, etc.

1.2 LANGUAGE DESCRIPTION

ABOUT HTML

Hypertext Mark-up Language (HTML) is the standard mark-up language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

ABOUT CSS

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

CSS is designed to enable the separation of presentation and content, including layout, colours, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file which reduces complexity and repetition in the structural content as well as enabling the .css file to be cached to improve the page load speed between the pages that share the file and its formatting.

ABOUT JAVASCRIPT

JavaScript often abbreviated as **JS**, is a programming language that conforms to the ECMAScript specification. JavaScript is high-level, often just-in-time compiled, and multi-paradigm. It has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions.

Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web. JavaScript enables interactive web pages and is an essential part of web applications. The vast majority of websites use it for client-side page behavior, and all major web browsers have a dedicated JavaScript engine to execute it.

ABOUT BOOTSTRAP

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.

Bootstrap is the seventh-most-starred project on GitHub, with more than 142,000 stars, behind freeCodeCamp (almost 312,000 stars) and marginally behind Vue.js framework.

BACK-END:

- MongoDB
- Express.js
- AngularJs
- Node.js

1.3 HARDWARE AND SOFTWARE REQUIREMENTS

HARDWARE REQUIREMENTS

- o Processor: intel Pentium
- o Operating System: Windows XP
- o RAM: 4 gb
- o Hard disk: 256 gb

SOFTWARE REQUIREMENTS:

- Visual Studio Code
- Sublime Text
- Mongo DB
- Node JS
- Express JS

PROBLEM STATEMENT

The computer has brought revolution in every sphere of human life, whether it is business, education field, governance, medical science, entertainment etc. The computer has reduced the human work load, businesses are going global and everything is available at the click of mouse. These are very busy times, people are working 24*7 and have little to no time to spare or waste.

With the era of globalization and easy transportation , humans of different cultures, race and communities come to live and settle at parts of the world and with that they bring their food. As a result there are a number of restaurants, hotels and stands which provide the customers with a variety of dishes and it is becoming hard to stand out and reach to people. People now a days don't have time to visit each and every place, look at the menu and the eat according to their liking. Instead many people just search on the web for the type of cuisines they like and then either order food online or then decide to visit the place.

Many places lose a lot of customer section because people can't find them online. So it has become very important to be online. And our project is just that. A responsive website for a restaurant where one can explore the different cuisine options and even order online or book a table reservation.

OBJECTIVES

The objectives of the project are as follows:

- ⌘ To develop a system for ordering food without hassle.
- ⌘ To develop a system for making table reservations in restaurant with a single click.
- ⌘ To develop a system that will be user friendly in all possible ways.
- ⌘ Customer can decide what food to order by viewing the customer reviews.

IMPLEMENTATION DETAILS

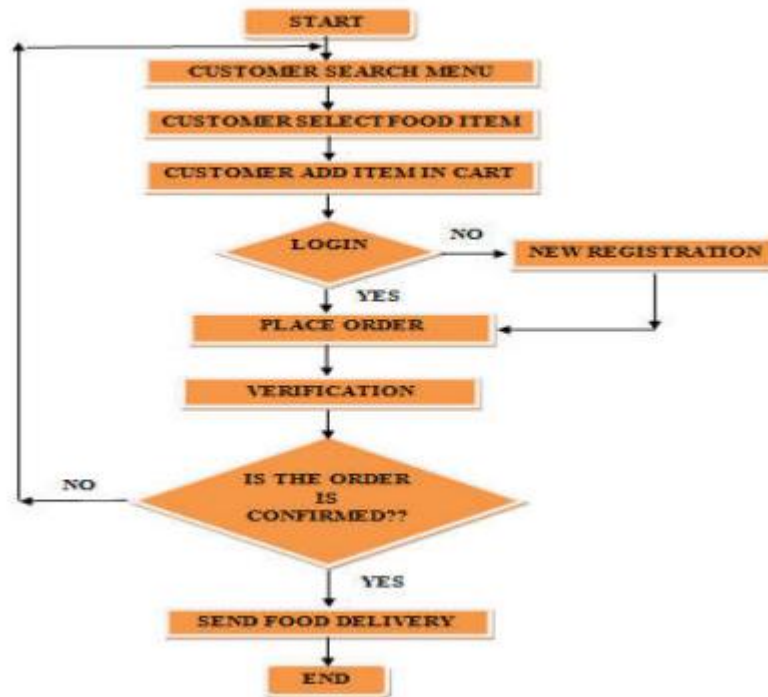
Our main aim is to increase the efficiency of the food ordering and reduce human errors and provide high quality services to the customers of the restaurants. The website on the tablets must be

able to communicate with the other devices. Fig. below shows flow chart of the website. As shown in flowchart below, firstly the customer or visitor will open the website and searches for food item menus.

The customer sees the categorized menu card on the website. The selection of food items is done by person if he/she visiting our website with or without login and registration module. At this stage, the registered and non- registered persons can add food items in their shopping cart for temporary purpose. If the customer wants to buy selected items then condition will be checked whether customer login is done or not. If login is not done then application will force customer to login first before ordering something.

For performing all activities in project we will create one database consists of login details and food items listed along with their costs. Once completing login task, the customer will place order from the restaurant. After this the verification of customer order will be done by making call given by customer at the time of login registration. After successful verification admin will check if the order is confirmed by customer if not the whole process begins from start.

If condition satisfies then admin transmits data about order to the restaurant. If there is a need for modification in the food menu, the admin modifies the menu. The menu gets changed in the database.



FLOWCHART FOR RESTAURANT WEBSITE

PROGRESS TILL DATE & REMAINING WORK

PROGRESS TILL DATE:

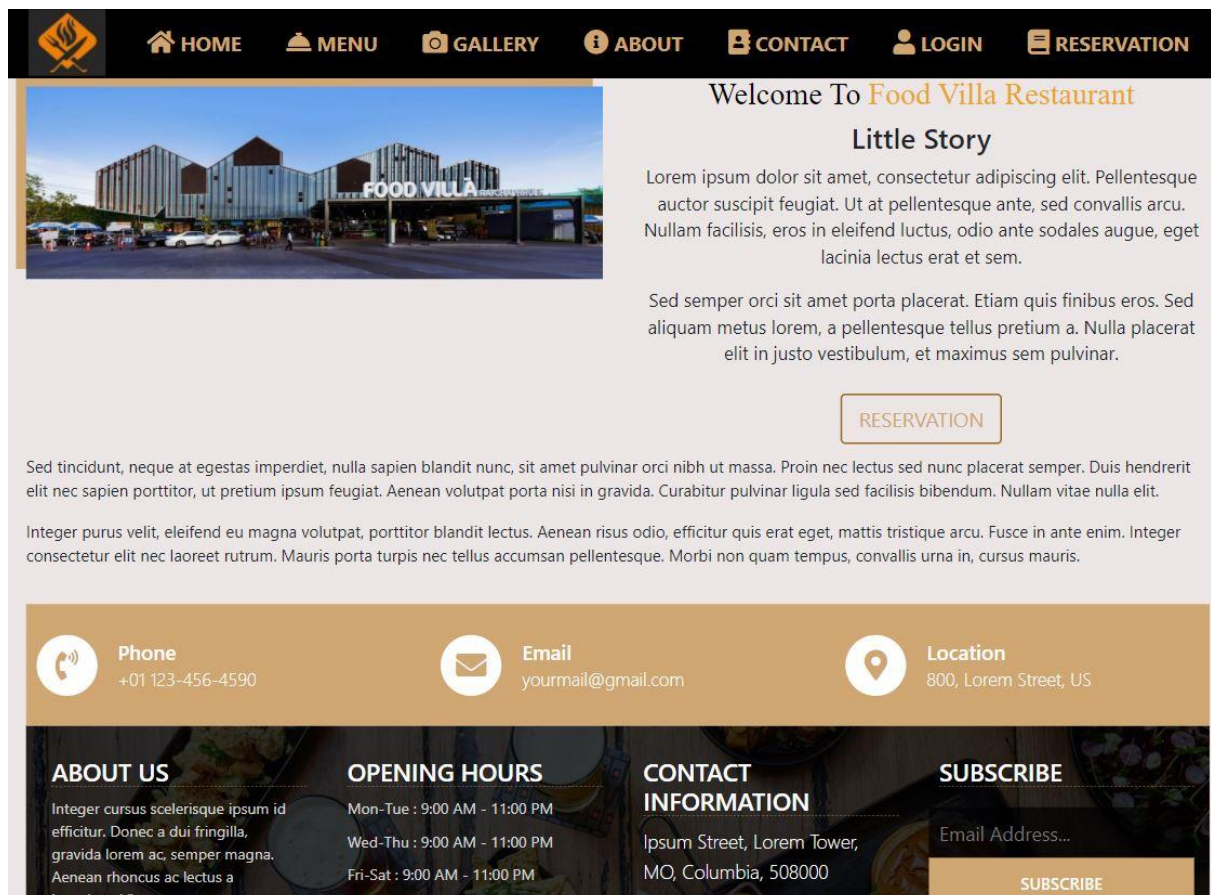
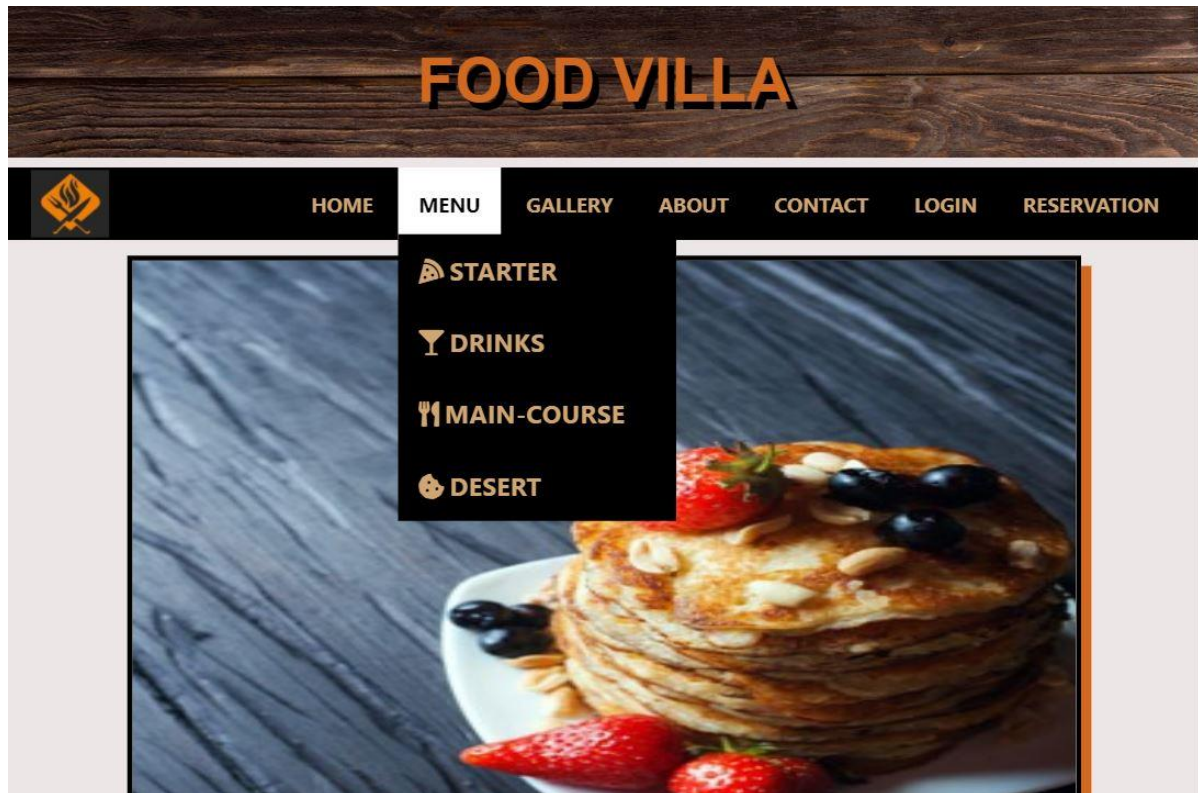
1. Frontend done.
2. Home page Created.
3. Contact details added.
4. About us sections done.
5. Menu is added.
6. Gallery work completed.
7. Blog is added.
8. Table reservation work done.
9. Social media handles added.

REMAINING WORK:

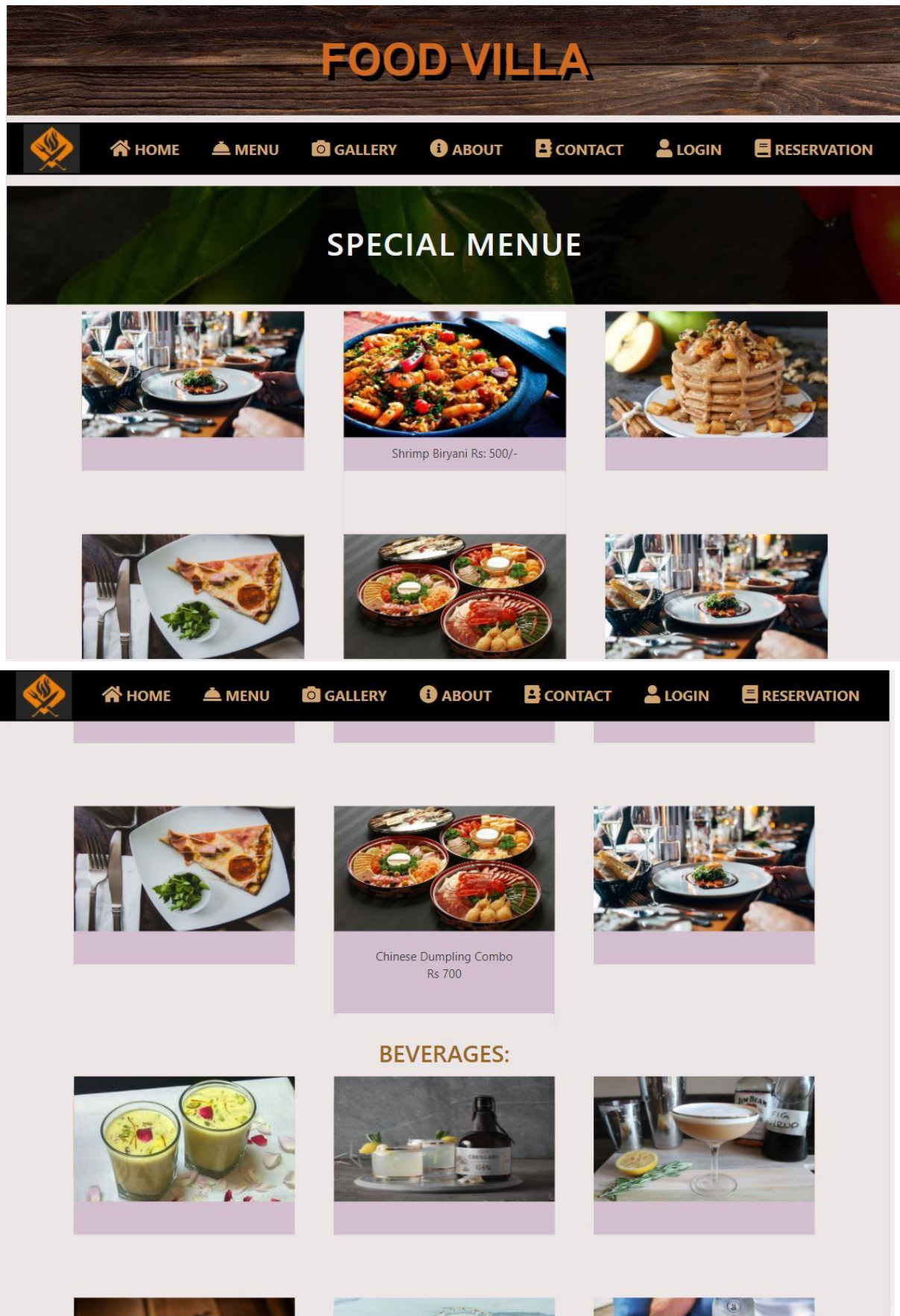
1. Backend work left.
2. Login Page yet to be added.
3. Database work left.

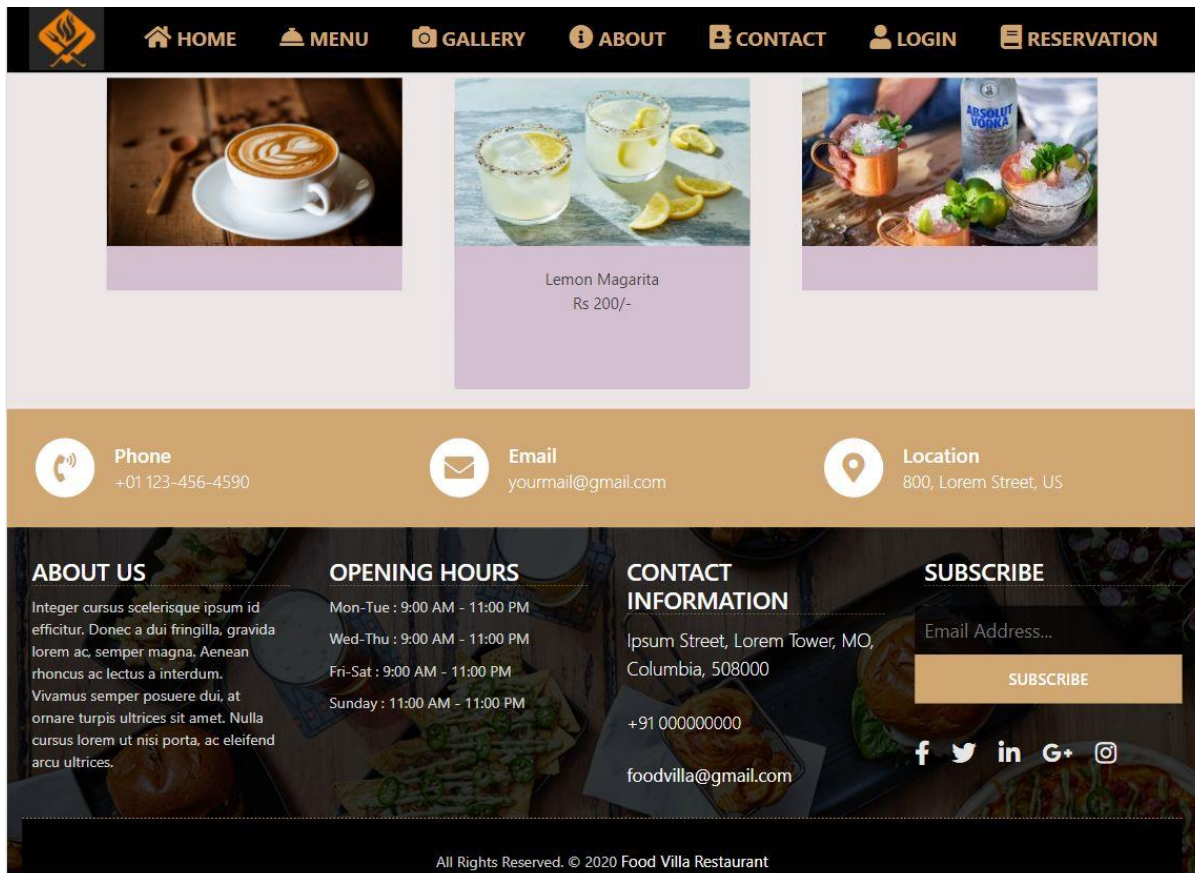
Screen-Shots:

1. Home Page



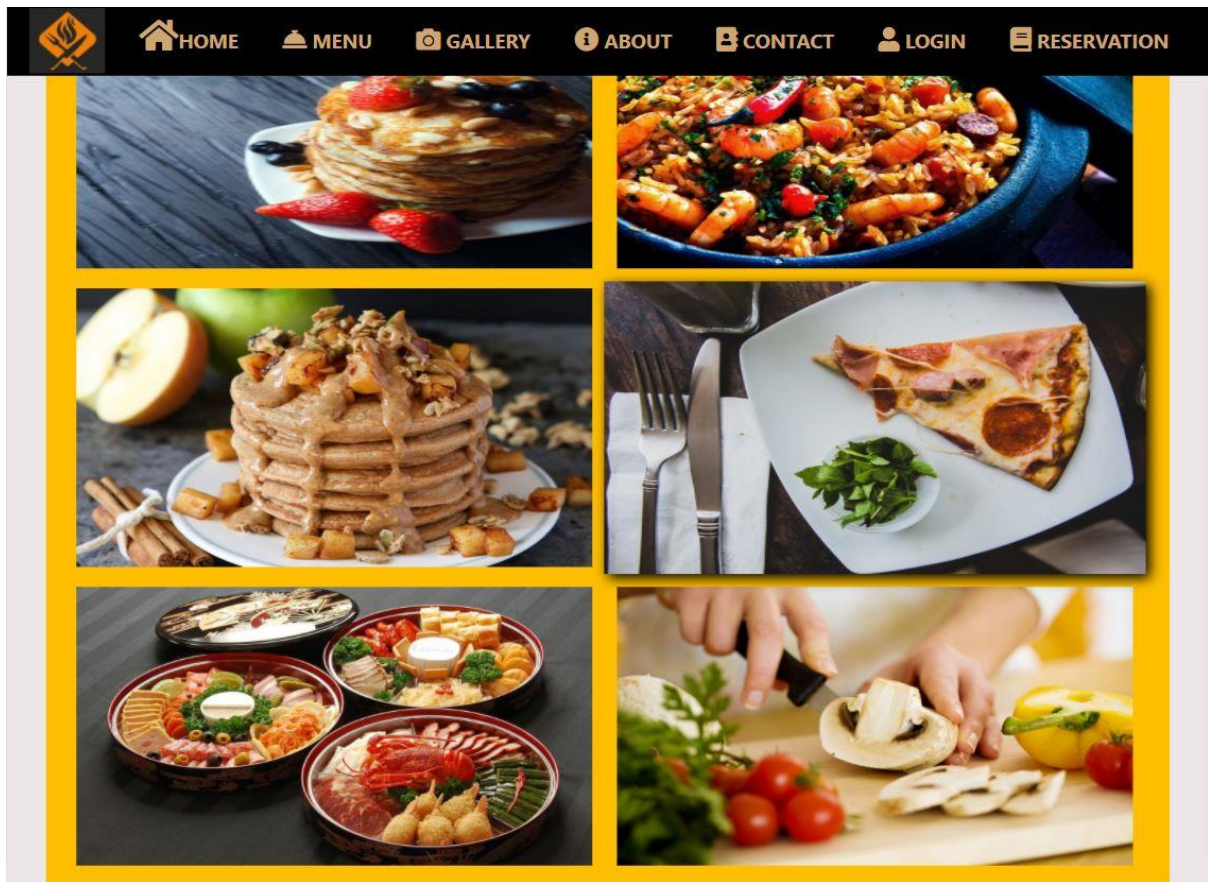
2. Menu





3. Gallery





4. About Us

HOME
 MENU
 GALLERY
 ABOUT
 CONTACT
 LOGIN
 RESERVATION

About Us

Welcome To Food Villa Restaurant

Little Story

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Pellentesque auctor suscipit feugiat. Ut at pellentesque ante, sed convallis arcu. Nullam facilisis, eros in eleifend luctus, odio ante sodales augue, eget lacinia lectus erat et sem.

Sed semper orci sit amet porta placerat. Etiam quis finibus eros. Sed aliquam metus lorem, a pellentesque tellus pretium a. Nulla placerat elit in justo vestibulum, et maximus sem pulvinar.

RESERVATION

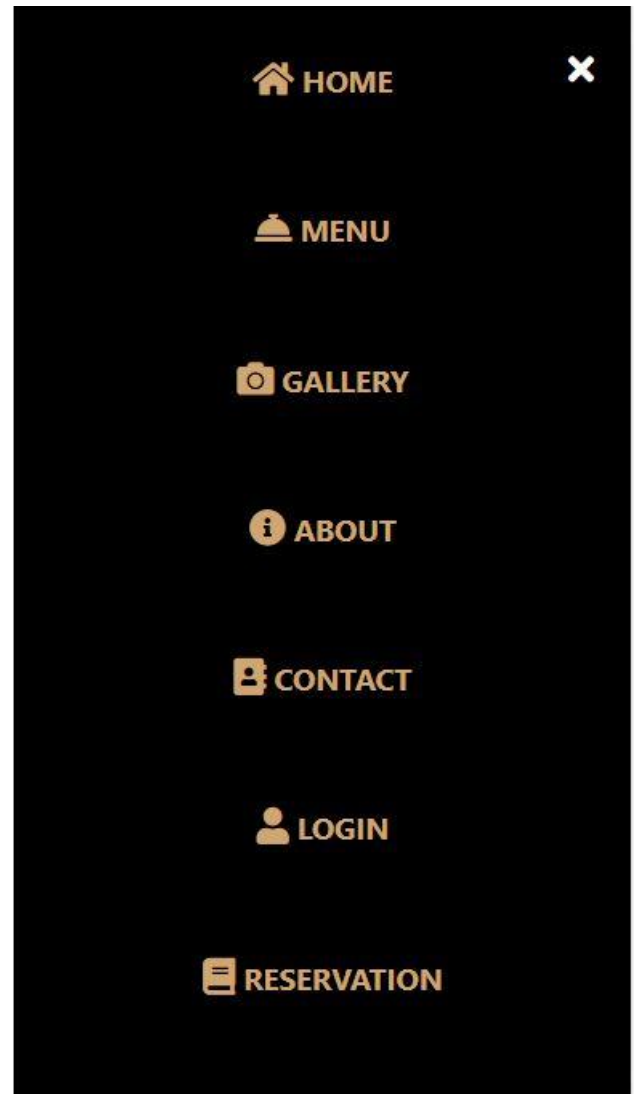
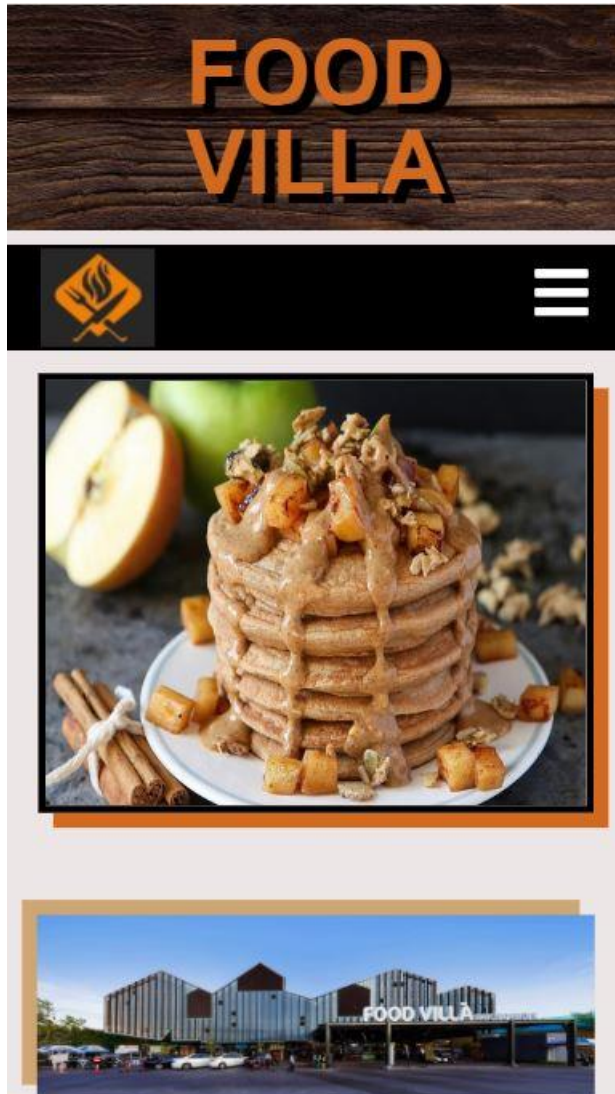
Sed tincidunt, neque at egestas imperdiet, nulla sapien blandit nunc, sit amet pulvinar orci nibh ut massa. Proin nec lectus sed nunc placerat semper. Duis hendrerit elit nec sapien porttitor, ut pretium ipsum feugiat. Aenean volutpat porta nisi in gravida. Curabitur pulvinar ligula sed facilisis bibendum. Nullam vitae nulla elit.






5. Table Reservation


The screenshot shows a website for 'FOOD VILLA' with a dark wooden header. Below the header is a navigation bar with icons and links for HOME, MENU, GALLERY, ABOUT, CONTACT, LOGIN, and RESERVATION. The main content area is titled 'RESERVATION' and features a form for booking a table. The form is divided into two sections: 'Book a table' and 'Contact Details'. The 'Book a table' section has three input fields: a date field (dd-mm-yyyy), a time field (--:--), and a dropdown menu for 'Select Person*'. The 'Contact Details' section has three input fields: 'Your Name', 'Your Email', and 'Your Numbar'. A 'Book Table' button is located at the bottom of the form.


6. Pages in Mobile-view:




Phone
 +01 123-456-4590


Email
 yourmail@gmail.com




Location
 800, Lorem Street, US

ABOUT US


Integer cursus scelerisque ipsum id efficitur. Donec a dui fringilla, gravida lorem ac, semper magna. Aenean rhoncus ac lectus a interdum. Vivamus semper posuere dui, at ornare turpis ultrices sit amet. Nulla cursus lorem ut nisi porta, ac eleifend arcu ultrices.

OPENING HOURS
 Mon-Tue : 9:00 AM - 11:00 PM
 Wed-Thu : 9:00 AM - 11:00 PM
 Fri-Sat : 9:00 AM - 11:00 PM



FOOD VILLA





SPECIAL MENUE





Burger Rs: 300/-









Moscow Mule
Rs 300/-



Phone
 +01 123-456-4590


Email
 yourmail@gmail.com



Location
 800, Lorem Street, US

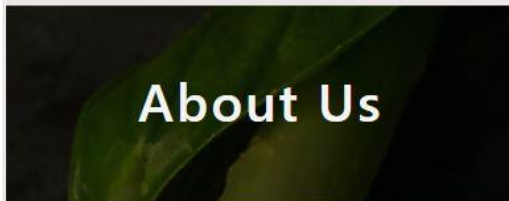





BEVERAGES:



Thandai Rs: 100/-









RESERVATION


Reservation

Lorem Ipsum is simply dummy text of the printing and typesetting



Book a table










Contact Details



Contact Details

**Phone**
+01 123-456-4590

**Email**
yourmail@gmail.com

**Location**



REFRENNCES:

1. Beta-labs.in
2. Developer.mozilla.org
3. Getbootstrap.com
4. Fontawsome.com

THANK YOU

