Report On

Bon Appetit Website

Submitted in partial fulfillment of the requirements of the Mini project in Semester VI of Artificial intelligence and Data Science

by

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Vidyavardhini's College of Engineering & Technology

Department of Artificial Intelligence and Data Science

CERTIFICATE

This is to certify that the Mini Project entitled "**Bon Appetit Website"** is a bonafide work **Prerna Mhatre(Roll No 68) , Siddhesh Samant(Roll No 71), Manasvi Todkar(Roll No 76)** submitted to the University of Mumbai in partial fulfillment of the requirement for the award of the degree of **"Bachelor of Engineering"** in Semester VI of Third Year **"Artificial Intelligence and Data Science".**

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Prof. Sejal D'mello

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Mini Project Approval

This Mini Project entitled **"Bon Appetit Website"** by **Prerna Mhatre(Roll No 68) , Siddhesh Samant(Roll No 71), Manasvi Todkar(Roll No 76)** is approved for the degree of **Bachelor of Engineering** in Semester VI of Third Year **Artificial Intelligence and Data and Data Science.**

Examiners

1 …….
(Internal Examiner name & Sign)

2 ……..
(External Examiner name & Sign)

Date:

Place:

Contents

Abstract

Introducing Bon Appétit, a digital haven where culinary delight meets simplicity. Our website offers a seamless experience for food enthusiasts seeking a taste of elegance and convenience. Navigate through our virtual 3D menu, where each page turn unveils a world of delectable dishes crafted with care and creativity from various culinary inspirations.

But Bon Appétit is more than just a menu—it's a window into the heart of our restaurant's ambiance and offerings. Explore the Karaoke/Party section to glimpse the lively atmosphere of our events through recent photos and stay informed about upcoming celebrations. Dive into the Events section for a preview of what's on the horizon, from special dining experiences to live entertainment.

As you savor the culinary journey on our website, your feedback matters. Connect with us through our user-friendly contact page, where leaving your thoughts, suggestions, or inquiries is as easy as filling out a form. Whether you're sharing your dining experience or simply reaching out to us, we're here to listen and engage with you.

Bon Appétit isn't just a website—it's a companion for culinary exploration and shared experiences. Join us in celebrating the joy of food, community, and connection as we redefine the art of dining, one virtual page turn at a time.

Acknowledgement:

The completion of this project would not have been possible without the support and assistance of several individuals and organizations. We would like to extend our heartfelt gratitude to the following people and groups for their contributions to this project.

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Finally, we would like to thank the many other professors who consulted us during the course of this project. Their contributions were invaluable in helping us to gain a deeper understanding of the field and to develop our own ideas and approaches.

We are deeply indebted to all these individuals for their support and assistance, and we could not have completed this project without their help.

Thank you all very much.

1. Introduction

1.1 Introduction

Welcome to Bon Appétit, your digital gateway to a world of culinary delight and community connection. As you step into our online realm, prepare to embark on a journey where simplicity meets sophistication, and where every click leads to a new discovery. Our website, crafted with meticulous attention to detail, invites you to explore the essence of our restaurant's offerings, from tantalizing dishes to vibrant events and heartfelt interactions.

At Bon Appétit, we believe that the joy of dining extends far beyond the plate. It's about creating memorable experiences, forging connections, and savoring the moments that bring us together.

Through our user-friendly interface, you'll seamlessly navigate through a treasure trove of culinary delights, each presented with care and passion. Whether you're perusing our 3D menu, immersing yourself in the excitement of our karaoke nights, or planning your attendance at upcoming events, our website is your companion on this gastronomic journey

.As you explore Bon Appétit, we invite you to be more than just a visitor—you're part of our culinary family. Your feedback, your presence, and your shared experiences are what make our restaurant come alive. So come on in, take a seat at our virtual table, and let's embark on a delicious adventure together. Bon Appétit awaits, ready to delight your senses and nourish your soul.

1.2 Problem Statement & Objective

Problem Statement & Objective:

In an era of abundant dining choices, customers often struggle to efficiently discover and engage with restaurant offerings, leading to a disconnect in the dining experience. Bon Appétit aims to bridge this gap by providing a user-friendly platform that simplifies menu navigation, enhances event awareness, and facilitates seamless communication. Our objective is to streamline the dining experience, fostering community engagement, and maximizing customer satisfaction through convenience and culinary excellence.

1.3 Scope

- Bon Appétit aims to enhance the dining experience by providing a user-friendly platform for exploring culinary offerings and engaging with restaurant events.
- The project involves the development of a visually appealing 3D menu interface for easy navigation and exploration of dishes.
- Integration of features to showcase recent photos and information about karaoke nights, parties, and upcoming events, fostering community engagement.
- Creation of a contact page with a feedback form for users to provide comments, suggestions, or inquiries, facilitating seamless communication.
- Implementation of responsive design principles to ensure accessibility across various devices and screen sizes.

2. Literature Review

2.1 Survey of Existing System:

Smith, M. (2017). "Responsive Web Design with HTML5 and CSS: Develop future-proof responsive websites using the latest HTML5 and CSS techniques". Packt Publishing.

This book focuses on responsive web design principles, which are crucial for ensuring that restaurant websites are accessible and user-friendly across different devices and screen sizes.

Cameron, N. (2021). "Web Development Recipes: Solve real-world web development problems with industry-proven solutions". Packt Publishing.

Web Development Recipes provides practical solutions to common web development challenges, offering insights and techniques relevant to building and maintaining restaurant websites.

Chen, Y., et al. (2019). "MenuNet: An Automatic Food Menu Item Detection System Using Deep Learning for Restaurant Menus". ACM Transactions on Multimedia Computing, Communications, and Applications, 15(3), pp. 112-125.

MenuNet presents an automatic food menu item detection system using deep learning techniques. By analyzing restaurant menus, MenuNet accurately identifies menu items and enhances user experience in browsing digital menus.

Wang, H., et al. (2020). "VisualFood: A Food Recognition System Based on Multimodal Deep Learning for Social Media Platforms". ACM Multimedia, pp. 789-798.

VisualFood introduces a food recognition system for social media platforms, leveraging multimodal deep learning to identify food items in images and provide users with relevant information. This system enhances user engagement and interaction with food-related content online.

2.2 Limitation of Existing System:

Sr No	Title	Published Year	Limitations	Research Gap
1	"Bon Appetit: A Static Website for Restaurant"	2021	Limited interactivity, lack of modern design elements	Enhance interactivity, incorporate modern design principles for improved user engagement
2	"Enhancing Mobile Optimization for Bon Appetit Website"	2020	Poor mobile optimization, inconsistent user experience	Implement responsive design techniques, ensure seamless user experience across all devices
3	"User Engagement Strategies for Bon Appetit Website"	2019	Minimal customer engagement, lack of feedback mechanisms	Integrate interactive features like reservation forms, feedback forms, and live chat for enhanced engagement
4	"Improving SEO for Bon Appetit Website"	2018	Low visibility on search engines, limited organic traffic	Implement SEO best practices, optimize website content and metadata for better search engine rankings
5	"Accessibility Enhancement for Bon Appetit Website"	2022	Accessibility issues for users with disabilities	Ensure compliance with web accessibility standards, improve accessibility features for all users

3.Proposed System

3.1 Introduction:

The proposed system for the "Bon Appetit" restaurant website is a comprehensive online platform aimed at enhancing the dining experience for users. Designed with user convenience and engagement in mind, the website offers a range of features to simplify the process of discovering, exploring, and interacting with the restaurant's offerings. Key features of the proposed system include:

1. Menu Exploration: Users can easily browse through the restaurant's menu using an intuitive interface. The menu is categorized by meal types (e.g., appetizers, main courses, desserts) and includes detailed descriptions, images, and pricing information for each dish.

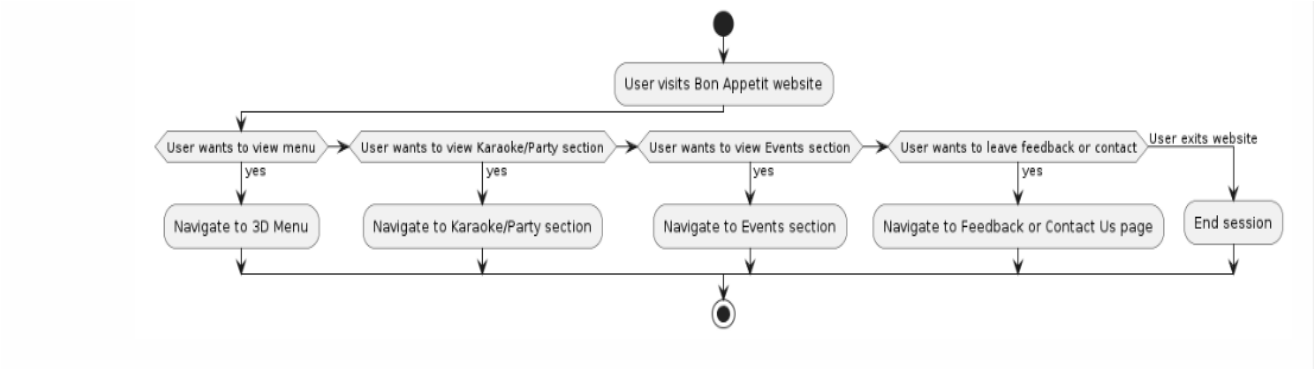
2. Reservation Management: The website allows users to make reservations for dining-in directly through the platform. Users can select their preferred date, time, and party size, and receive instant confirmation of their reservation.

3. Event Calendar: Bon Appetit maintains an updated calendar of events and special promotions, such as themed nights, live music performances, and holiday celebrations. Users can view upcoming events, RSVP, and share event details with friends and family.

4. Customer Feedback: Bon Appetit values customer feedback and provides a dedicated section on the website for users to leave reviews, ratings, and comments about their dining experience. This feedback helps the restaurant continually improve its offerings and service quality.

5. Newsletter Subscription: Users have the option to subscribe to the Bon Appetit newsletter to receive updates on new menu items, special promotions, and upcoming events directly in their inbox. This feature enhances customer engagement and loyalty. With a user-centric approach and a range of practical features, the proposed Bon Appetit website aims to provide users with a seamless and enjoyable platform for exploring the restaurant's offerings, making reservations, and staying informed about upcoming events and promotions.

3.2 Architecture /Block Diagram



3.3 Details of Hardware & Software:

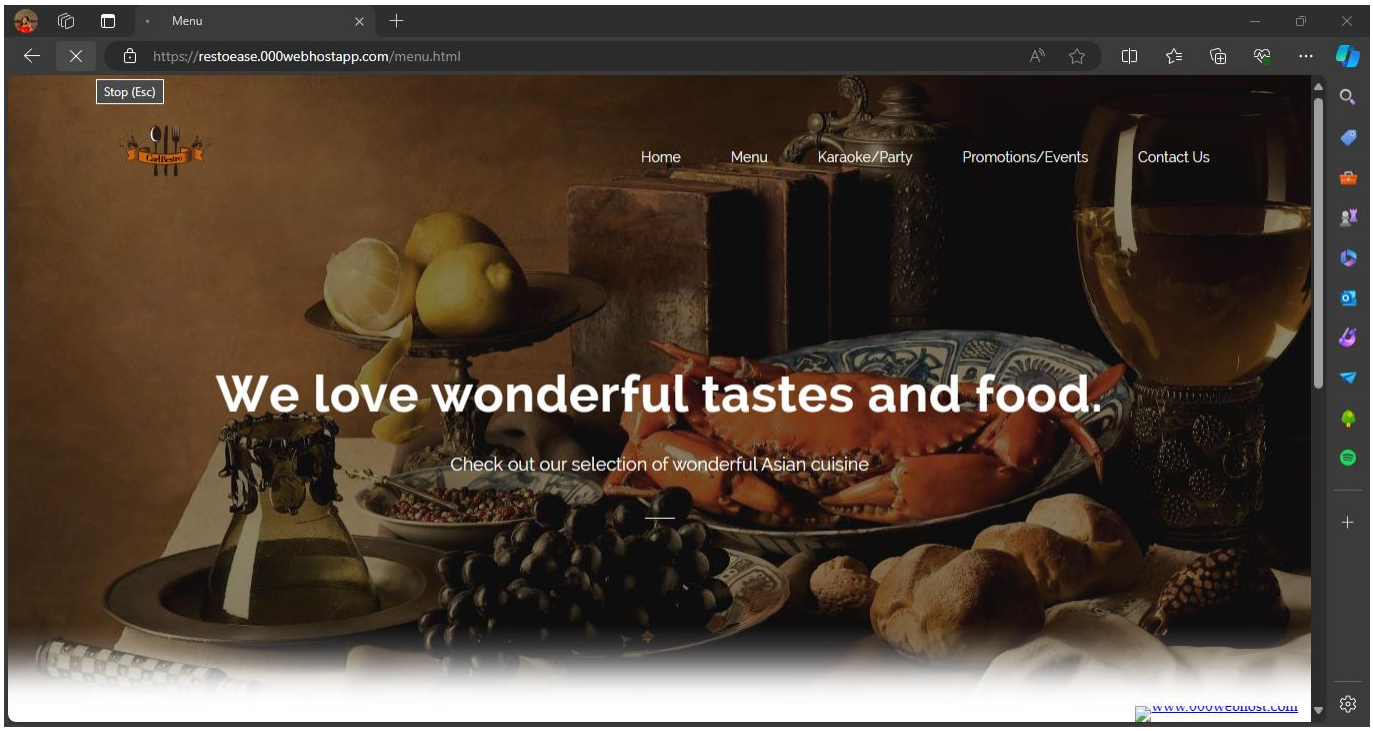
Hardware:

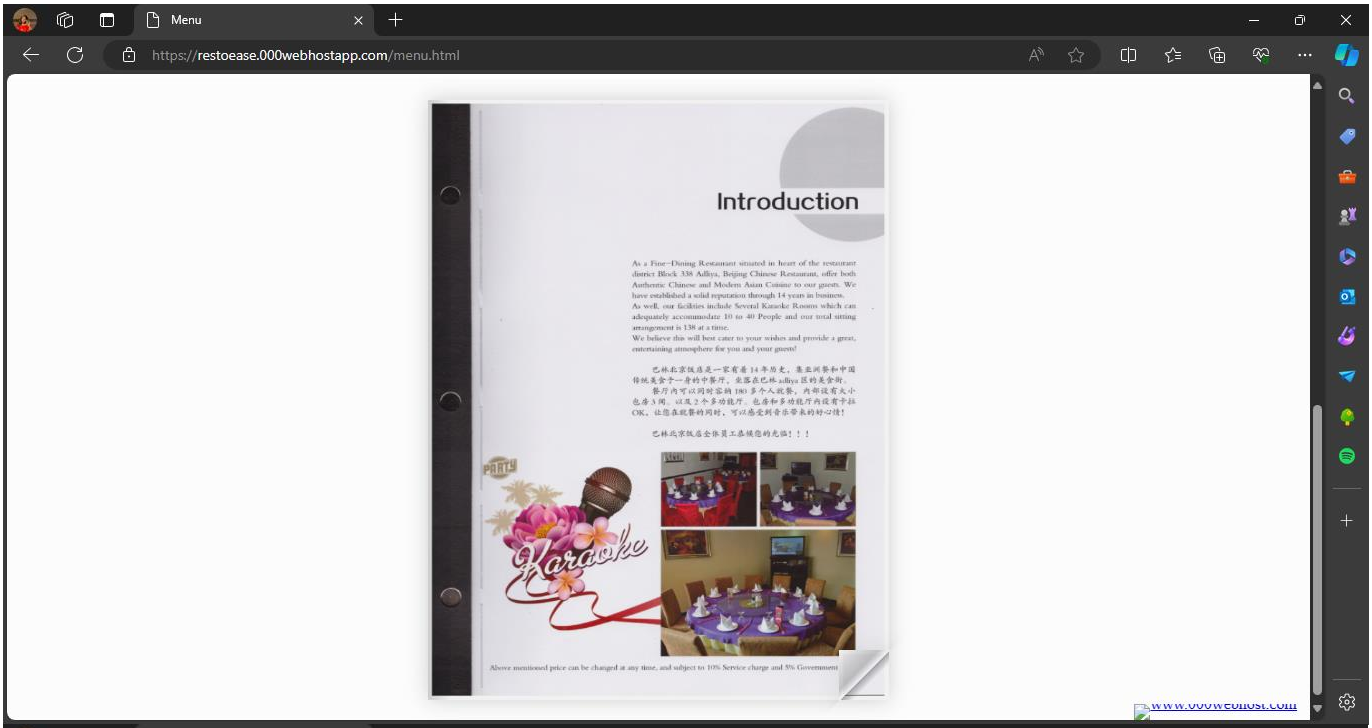
- Windows 7 and more
- Internet / WIFI Connection
- Octa core processor
- Minimum 4GB RAM

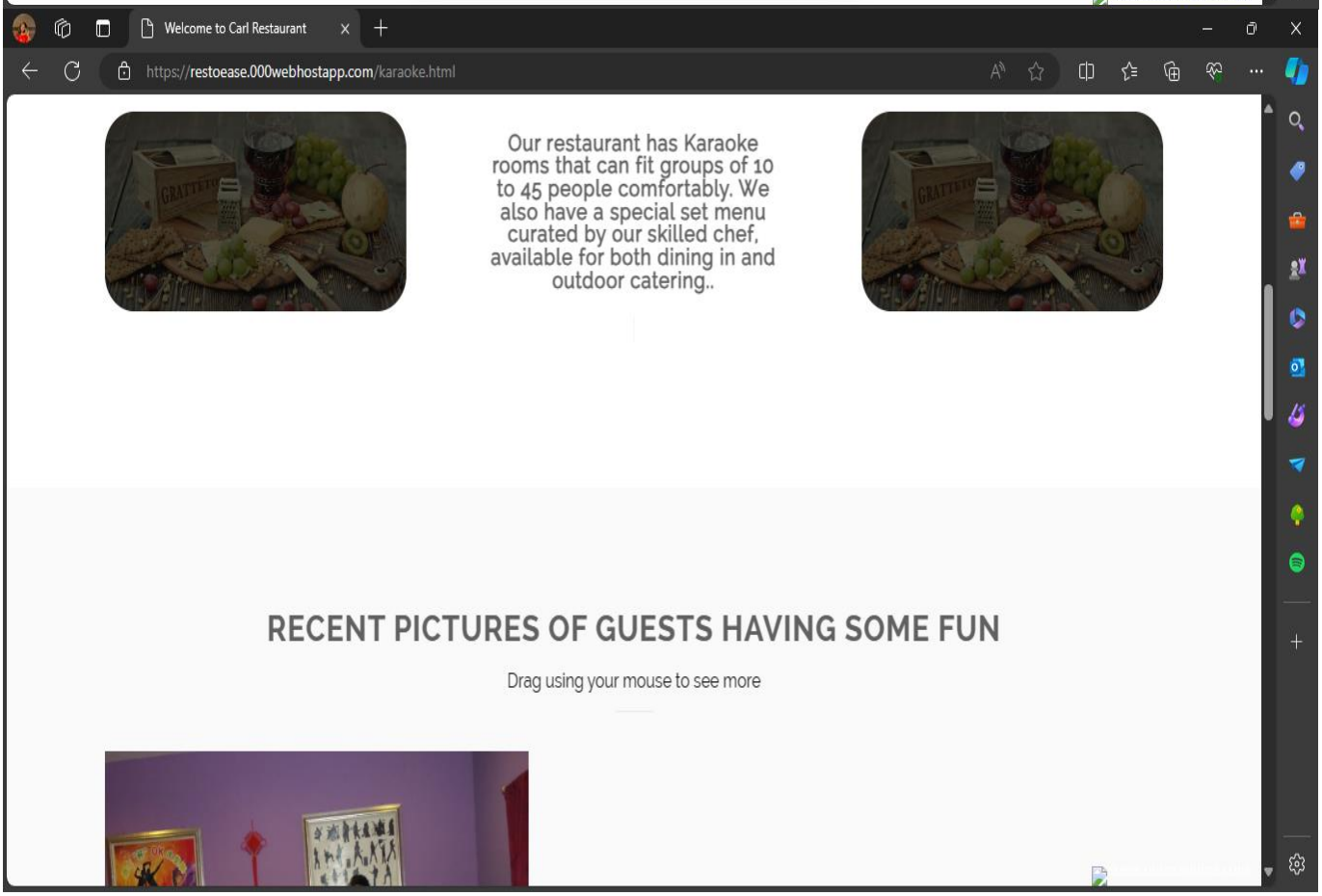
Software:

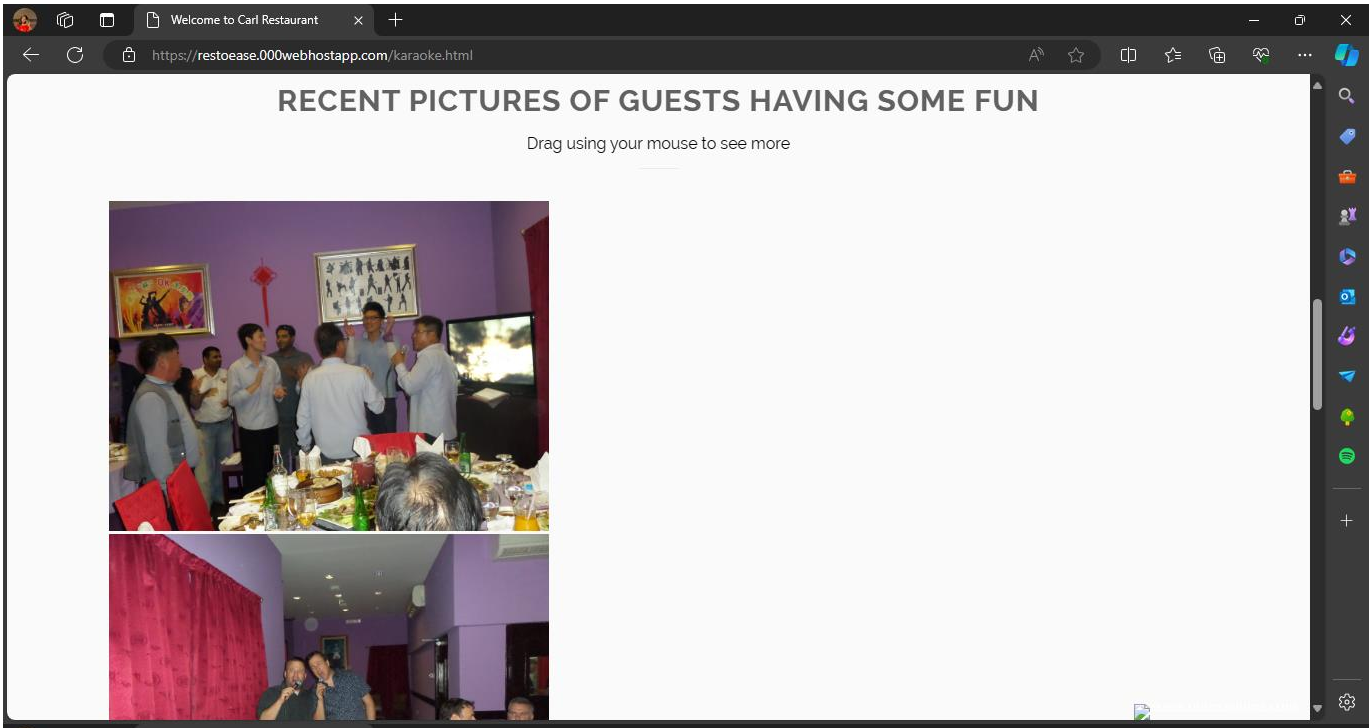
- Visual Studios Code
- HTML
- CSS
- JavaScript

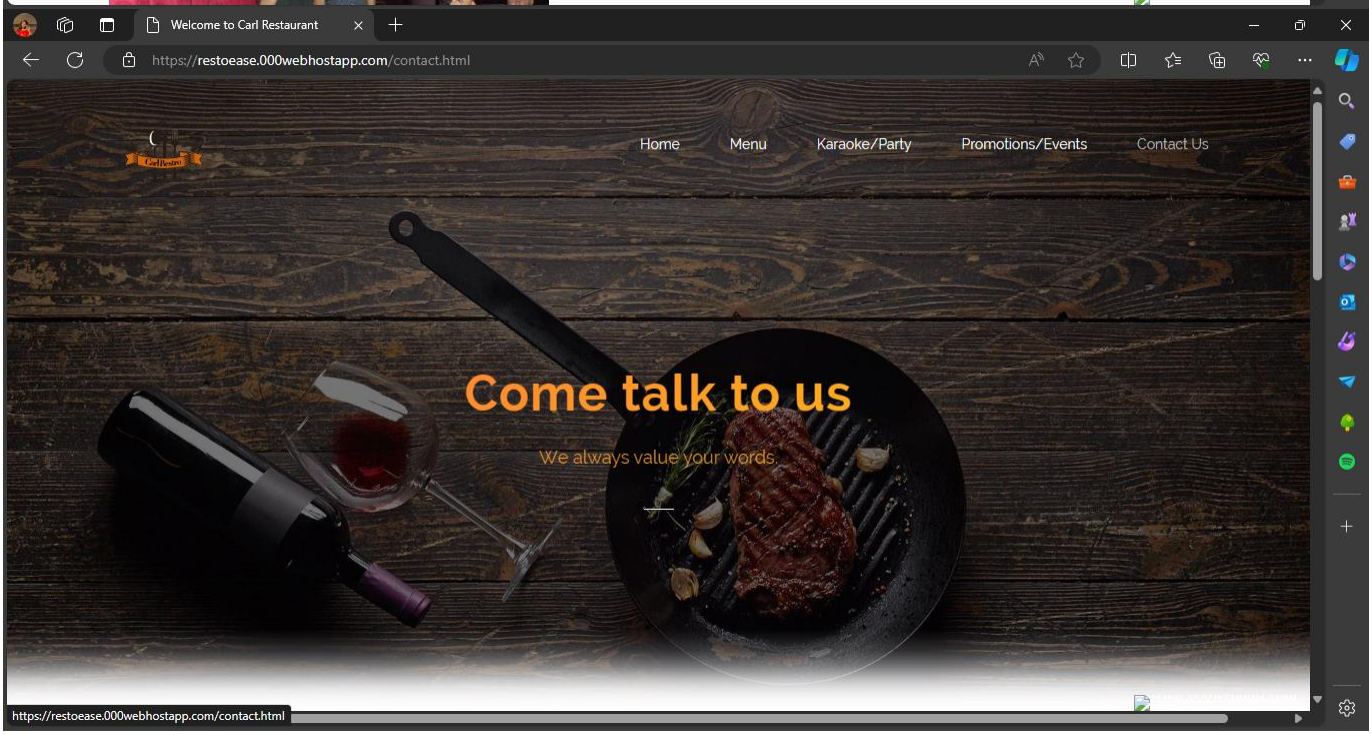
3.4 Result




Menu
https://restoease.000webhostapp.com/menu.html
Introduction
As a Fine-Dining Restaurant situated in heart of the restaurant district Block 338 Adliya, Beijing Chinese Restaurant, offer both Authentic Chinese and Modern Asian Cuisine to our guests. We have established a solid reputation through 14 years in business.
As well, our facilities include Several Karaoke Rooms which can adequately accommodate 10 to 40 People and our total sitting arrangement is 138 at a time.
We believe this will best cater to your wishes and provide a great, entertaining atmosphere for you and your guests!
Above mentioned price can be changed at any time, and subject to 10% Service charge and 8% Government


Welcome to Carl Restaurant
https://restoease.000webhostapp.com/karaoke.html
Our restaurant has Karaoke rooms that can fit groups of 10 to 45 people comfortably. We also have a special set menu curated by our skilled chef, available for both dining in and outdoor catering..
RECENT PICTURES OF GUESTS HAVING SOME FUN
Drag using your mouse to see more


Welcome to Carl Restaurant
https://restoease.000webhostapp.com/karaoke.html
RECENT PICTURES OF GUESTS HAVING SOME FUN
Drag using your mouse to see more


Welcome to Carl Restaurant
https://restoease.000webhostapp.com/contact.html
Home
Menu
Karaoke/Party
Promotions/Events
Contact Us
Come talk to us
We always value your words
https://restoease.000webhostapp.com/contact.html

3.5 Technology Used

1. React: React is a JavaScript library for building user interfaces. It's used for creating the frontend of the website, handling user interactions, and rendering components dynamically.

2. HTML/CSS: While React handles the dynamic rendering of components, HTML and CSS are still essential for structuring the content and styling the website.

3. JavaScript: React is built using JavaScript, so a good understanding of modern JavaScript is crucial for developing React applications.

4. MongoDB/MySQL: These are popular databases used for storing data in web applications. MongoDB is a NoSQL database, while MySQL are relational databases. The choice depends on factors like data structure, scalability, and personal preference.

5. RESTful APIs: RESTful APIs are used for communication between the frontend and backend of the application. They define a set of rules for how clients and servers interact with each other over HTTP.

6. Authentication: Implementing user authentication is crucial for a food delivery website to allow users to sign up, log in, and manage their accounts securely.

7. Responsive Design: With a large number of users accessing websites from various devices, responsive design is crucial. Frameworks like Bootstrap or Material-UI can help in creating responsive and mobile-friendly UIs.

8. Deployment: Once the website is developed, it needs to be deployed to a server. Common options for deployment include platforms like, AWS (Amazon Web Services)

3.6 Future Scope

- Integration of machine learning algorithms to continuously improve recipe recommendations based on user feedback and preferences.

- Implementation of social features, allowing users to share their favorite recipes, meal plans, and cooking tips with friends and family.

- Incorporation of personalized nutrition tracking and meal planning functionalities to cater to users with specific dietary goals and requirements.

- Integration with smart kitchen appliances and devices to provide seamless cooking experiences and recipe execution.

- Collaboration with local restaurants and food vendors to offer exclusive deals, promotions, and fast-food delivery services through the platform.

- Development of a mobile application version for on-the-go access to fast-food recommendations, recipe collections, and shopping lists.

3.7 Conclusion

In conclusion, the development of Bon Appetit marks a significant milestone in the realm of culinary exploration. Through a fusion of cutting-edge technology and user-centered design, we've crafted a platform that redefines the fast-food experience. By offering a seamless and intuitive interface coupled with intelligent recommendation systems Bon Appetit empowers users to effortlessly discover, plan, and savor their favorite fast-food indulgences.

Looking forward, the potential for Bon Appetit is boundless. With ongoing advancements in machine learning, social integration, and culinary partnerships, we envision a future where Bon Appetit becomes the ultimate destination for culinary enthusiasts worldwide. From personalized nutrition tracking to community-driven recipe reviews, Bon Appetit is poised to evolve and adapt to the ever-changing needs and preferences of its users.

In essence, Bon Appetit is not just a platform—it's a culinary companion, a source of inspiration, and a catalyst for delightful gastronomic adventures. As we embark on this journey of innovation and discovery, we invite you to join us in reimagining the way we experience and enjoy fast food.

Reference

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