RESTAURANT WEBSITE USING HTML,CSS,JS

Submitted by

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Revision History

Version	Date	Description of Changes	Author	Comments
1.0	2023-09-05	Initial draft of SRS	Ajay Kumar	Project kick-off
1.1	2023-09-15	Updated CSS styles for a more modern look	Ajay Kumar	Design improvement
1.2	2023-10-15	Added Validation in Form	Ajay Kumar	validation
1.3	2023-10-10	Implemented online ordering and reservation functionality	Ajay Kumar	Customer request
1.4	2023-10-28	Added a responsive mobile design using CSS	Ajay Kumar	Mobile optimization

Client Approval

- Project Name:Reddy the Dhaba

- Date: 2023-09-05

- Client Contact Information:

  - Name: Vasu Andhra Reddy

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I, Vasu Andhra Reddy , in my capacity as the client or authorized representative for Reddy the Dhaba, hereby acknowledge that I have reviewed and approved the project specifications, design, and related documents for the Reddy the Dhaba (Version 1.0). I confirm that I understand and accept the scope and requirements as outlined in the provided documents.

Client's Signature: <u>Vasu Andhra Reddy</u>

Date: 2023-09-05

Table of Contents

1. Introduction:

The introduction section of a restaurant website sets the tone for the entire site and provides users with essential information about the restaurant. It typically includes the following subsections:

1.1 Purpose:

The main objective of the restaurant website is to inform visitors about the core intention of the site, which is primarily to showcase the restaurant's offerings, attract potential customers, and provide a convenient online platform for various interactions. Through this website, we aim to achieve the following objectives:

- Showcase Our Culinary Delights:present our diverse and delectable menu offerings, including appetizers, main courses, desserts, and beverages, in an appealing and visually captivating manner.)
- Attract Diners: Our website is designed to attract both new and returning customers by providing them with a virtual taste of the restaurant's ambiance, quality of service, and the skillful artistry of our chefs.
- Facilitate Online Reservations:

1.2 Scope:

The scope outlines the boundaries and extent of the restaurant website's functionality and services. It specifies what users can expect to find on the site. This may include details such as the types of information available (menus, reservations, location), interactive features (online ordering, contact forms), and any limitations in terms of geographic coverage or services provided.

1.3 REFERENCES

www.w3schools.com

https://www.youtube.com/watch?v=-dBzfndKwZo&t=3275s&ab_channel

www.geeksforgeeks.org/dfd

2. General Description:

This section provides an overview of the restaurant website, highlighting its purpose, functions, the intended audience, constraints, and any assumptions or dependencies. It sets the context for the development of the website.

2.1 Product Perspective:

The restaurant website operates as a standalone digital platform designed to promote and facilitate interactions with the restaurant. It is intended to provide an online presence and act as a digital storefront for the restaurant. The website allows users to explore information about the restaurant, its popular dishes, gallery, menus, and blogs. While it functions independently, it may have links to the restaurant's social media profiles or external services for online reservations and delivery.

2.2 Product Functions:

The restaurant website offers the following key functions:

- **About Section**: Provides information about the restaurant, its history, mission, and values.
- **Popular Dishes (Food)**: Showcases featured and popular menu items with descriptions and images.
- **Gallery Section**: Displays high-quality images of the restaurant's ambiance, dishes, and events.
- **Menu**: Organizes the menu into different sections for breakfast, lunch, dinner, and cold drinks.
- **Home Delivery**: Allows users to place orders for home delivery.

- **Blogs (Posts)**: Offers informative and engaging content, including articles, news, and updates related to the restaurant.

2.3 User Characteristics:

The restaurant website is designed to accommodate a diverse range of user characteristics. These characteristics include:

- **Diners**: Individuals looking for information about the restaurant's offerings, menu, and ambiance.
- **Potential Customers**: Users interested in making reservations or exploring the possibility of home delivery.
- **Food Enthusiasts**: People passionate about culinary experiences and seeking information about the restaurant's signature dishes.
- **Blog Readers**: Individuals interested in food-related articles and restaurant news.

2.4 General Constraints:

While the restaurant website aims to provide a seamless experience, it may have constraints, such as:

- Device Compatibility: The website is optimized for desktop and mobile devices but may have limitations on older browsers.
- Internet Connection: Users require an internet connection to access the website's features and content.
- Geographic Limitations: Home delivery services may be limited to specific geographic areas.
- Server Uptime: Availability of the website depends on server uptime and maintenance.

2.5 Assumptions and Dependencies:

The development of the restaurant website assumes the following:

- Content Management: Regular updates to menus, blogs, and images are assumed for maintaining website freshness.

- Third-Party Services: The website may depend on external services for online reservations and home deliveries, assuming these services are available and functional.
- User Input: Users are assumed to provide accurate information when making reservations or orders for home delivery.
- Moderation: Assumption that blog comments are moderated for appropriateness and compliance with website guidelines.

These descriptions provide a comprehensive understanding of the restaurant website and its context, allowing for effective development and management of the online platform.

3. Specific Requirements:

This section outlines the detailed requirements for the restaurant website.

3.1 External Interface Requirements:

3.1.1 User Interfaces

The user interface of the restaurant website must be user-friendly, responsive, and visually appealing. It should allow users to easily navigate between the different sections of the website, including the "About," "Popular Dishes," "Gallery," "Menu," "Home Delivery," and "Blogs." The interface should be accessible on both desktop and mobile devices.

3.1.2 Hardware Interfaces:

The restaurant website does not have specific hardware interface requirements since it runs in standard web browsers, and users access it through their own devices.

3.1.3 Software Interfaces:

The website should be compatible with common web browsers such as Chrome, Firefox, Safari, and Edge. It may rely on JavaScript for interactive features and CSS for styling.

3.1.4 Communications Interfaces:

Description: The website communicates with users via standard HTTP/HTTPS protocols. It may interact with external systems for online reservations and home delivery, utilizing APIs or web services for these functionalities.

3.2 Functional Requirements:

3.2.1 About Section:

Users should be able to access information about the restaurant, including its history, mission, values, and the team behind it. This section should be easily navigable, with links to other parts of the website.

3.2.2 Popular Dishes (Food):

The website must showcase popular menu items with detailed descriptions and high-quality images. Users should be able to click on each dish to view more information.

3.2.3 Gallery Section:

The gallery should display a selection of images that showcase the restaurant's ambiance, dishes, and events. Users can navigate through the gallery to view the images.

3.2.4 Menu:

The menu section should be organized into different categories for breakfast, lunch, dinner, and cold drinks. Each menu item should include a name, description, and price. Users should be able to browse and select items.

3.2.5 Home Delivery (Online Reservation):

Users should have the ability to place orders for home delivery. The website should include an online reservation system that allows users to select a date and time, specify the number of guests, and provide contact details for the delivery.

3.2.6 Blogs (Posts):

The website should feature a blog section with articles, news, and updates related to the restaurant. Users can click on blog posts to read and comment on them.

3.5 Non-Functional Requirements:

3.5.1 Performance:

The website should load quickly and efficiently, even when there's high traffic. Images should be optimized for fast loading times.

3.5.2 Reliability:

The website should be reliable, with minimal downtime and consistent availability.

3.5.3 Availability:

The website should be available 24/7 for users to access information.

3.5.4 Security:

The website should implement security measures to protect user data, especially for online reservations and home delivery.

3.5.5 Maintainability:

The website should be easy to maintain and update. Content management should be user-friendly.

3.5.6 Portability:

The website should be responsive and accessible on various devices, including desktop computers, tablets, and smartphones.

3.7 Design Constraints:

The design of the website should be consistent with the restaurant's branding, including colors, fonts, and imagery. It should align with the restaurant's style and ambiance.

3.9 Other Requirements:

Any additional requirements, such as specific legal or compliance considerations, should be documented and adhered to as needed.

These requirements provide a comprehensive framework for designing, developing, and maintaining the restaurant website, ensuring it meets user expectations and delivers a seamless online experience.

4.1 Data Flow Diagrams (DFD):

Data Flow Diagrams are a visual representation of the flow of data within a system or process. In the case of a restaurant website, DFDs can help illustrate how information and data move between various components of the website.
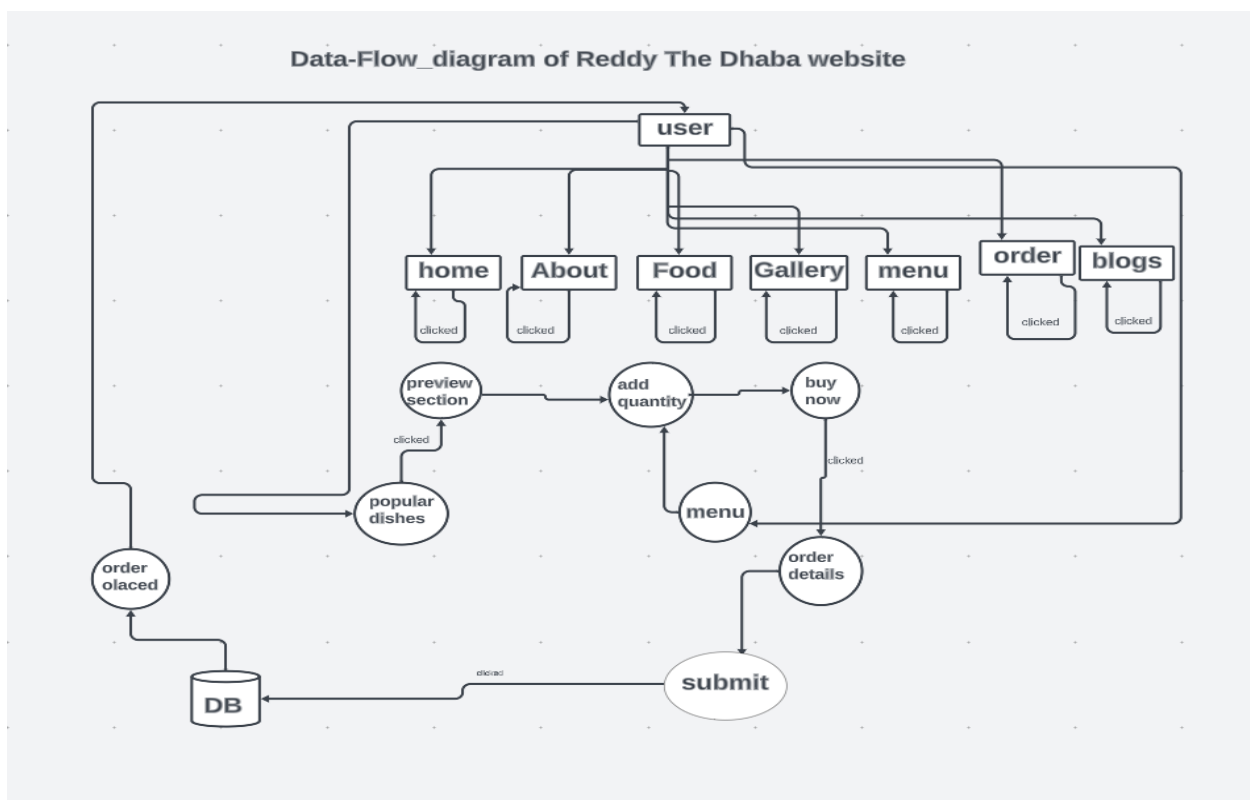

Fig 1.1:DFD of Reddy the Dhaba Restaurant

Github link

https://ajay242105.github.io/sweet_and-_restaurant/