



WEDDING PLANNER

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Abstract

Wedding planner is the primary emphasis of the PHP and MySQL Wedding planner project. The technology assists in this by tracking clients and their event data according to categorize. The system also shows every wedding package that is available. Additionally, the system enables the client to make reservations online. It is clear that this project has a client-side admin panel where clients can sign up to utilize the services. Here, clients can see wedding bundles and wedding collections as motivation. In regard to bundles, he/she can see every one of the occasions connected with the specific bundle including valuing data. As a matter of fact, this multitude of client exercises happen on the client side, which permits clients to book their own bundles after determination.

Keywords :

computerized, automating, classified, web-based, JavaScript, HDML, CSS, PHP, MySQL.

1. INTRODUCTION

The wedding planning festivities is the primary emphasis of this PHP MySQL Wedding planner project. More specifically, the system assists in monitoring clients and their event data according to various categories. The system also shows every wedding package that is available. Additionally, the system enables the client to make reservations online. This project clearly has an admin panel on the client side. According to a summary of this web application, users must register before they can access the services. Customers can get ideas here by looking at wedding albums and bundles. Regarding packages, he or she has access to all events associated with the specific package,

including details on prices. Here, clients can see wedding bundles and wedding collections as motivation. In regard to bundles, he/she can see every one of the occasions connected with the specific bundle including valuing data. As a matter of fact, this multitude of client exercises happen on the client side, which permits clients to book their own bundles after determination.

1.1 ADMINISTRATOR PANEL

An administrator has total control over the system. Clients, reservations, budgets, system users, blogs, and other things can all be managed by him or her. Every portion in this case contains its own unique features, including name, image, and other crucial information. In order to sustain subsequent procedures, an administrator must first set up wedding packages. Second, package features must be managed by the administrator using the appropriate package headers. The administrator can manage packages with picture attachments by delving deeper into the service area. More specifically, this area is crucial for the client-side in order to showcase the services offered by the website.

Likewise, only the admin and moderator's accounts are permitted to use the aforementioned services. Actually, the administrator is responsible for managing the user levels from the account section.

1.2 BLOGS AND EVENTS

On the one hand, the administrator can post events and blogs that are intended for end users and appear on the client's side. The user can read all the event manager's latest blogs and events in this specific section. In actuality, these blogs serve as a source of inspiration for customers, assisting them in gathering concepts for their own weddings. The administrator is required to supply several items under this clause. Including the blog title, description, package, wedding date, location, and image. After all, the user has the option to either mark the blog as a draft or publish it. Consequently, all of these shared blogs are displayed on the client-side according to their image, title, and location. The administrator should first choose one of the events that are offered for each blog.

1.3 CLIENT MANAGEMENT

As previously stated, clients have the ability to book packages on their own. Therefore, the user can view registered clients in this specific section, which is specifically from the admin panel. All the clients are in the pending state by default. Each client's request must then be verified by an administrator. The user must pay in advance and supply the remaining information, which includes the names of the bride and groom and the wedding site. The administrator can, after all, verify the reservation. Additionally, the administrator has the option to simply cancel or flag the client's booking request as fraudulent. Action in this context refers to accepting or rejecting the clients' applications. Additionally, the administrator has the option to simply cancel or flag the client's booking request as fraudulent. Action in this context refers to accepting or rejecting the clients'

applications. In order to manage the budget and other things, the administrator may also see every detail of the clients and the packages they have chosen.

1.4 BUDGET MANAGEMENT AND GUEST INFORMATION

Additionally, after establishing an advance payment, the system shows each client's total amount owed. Let's move on to the system's visitor information section before delving into budget management. All the information on the event's guests is contained in this specific section. Here, users can add several visitors and provide their comprehensive details using the system. Speaking of specific details, these include their names, addresses, messages, priority level, and relationships with the bride and groom, among other things. Regarding budget management, the customer only needs to incorporate budgeting and liquidation into their existing offerings. The user must choose from the available events and input the cash payment amount to accomplish this. These sums are therefore shown as the total amount paid thus far. In a similar vein, the administrator can determine each client's total payment for their packages with the aid of this entire budget area.

1.5 EVENT CALENDAR, IMAGE GALLERY

On the other hand, a feature that enables users to make task reminders should be included in projects such as the wedding planner. The administrator can assign tasks with varying priority levels to each date on the calendar under each client's wedding profile. It is possible to schedule these task reminders on a daily, weekly, or monthly basis. Additionally, task events can be removed at any time by the user. Additionally, there is a gallery component on the client side of this PHP wedding planner project. All the wedding photos that the administrator has posted are in this area. In order to do this, the administrator must attach the wedding photo along with an image title. Similarly, there are a number of different approaches that help draw clients to the website and motivate them to work on it. In other words, it functions somewhat like a firm portfolio as well. Last but not least, this PHP/MySQL Online Wedding planner Project offers a clear and straightforward dashboard with a variety of color possibilities for an improved user experience. A free, open-source CSS framework called Bootstrap is used for its user interface elements, along with some Vanilla CSS. Introducing a brand-new PHP MySQL wedding planner project that incorporates client-side communication with an admin panel. It is a well-informed resource for educational purposes and has all the necessary elements to follow up.

1.6 SCOPE

The scope of the Wedding Planner application includes a variety of features essential for comprehensive wedding management.

The project covers

- **User Account Management** : Secure registration, login, and profile management for users.
- **Vendor Management** : Adding and tracking wedding-related vendors like photographers, florists, and caterers.
- **Guest List Management** : Organizing guest details, RSVPs, meal preferences, and special requirements.
- **Budget Management** : Setting a wedding budget, tracking expenses, and ensuring costs stay within limits.
- **Task Scheduling** : Creating wedding-related tasks, assigning responsibilities, and setting deadlines. These features aim to simplify the wedding planning process, helping users save time and reducing the stress of organizing such an important event. The application will be accessible through a web browser, ensuring wide availability for users.

2. SYSTEM DESIGN

2.1 ARCHITECTURE

The system architecture of the Wedding Planner follows the Model-View-Controller (MVC) design pattern.

- **Model** : The model interacts with the database to retrieve and store data. It processes requests like adding new vendors, managing budgets, and updating guest lists.
- **View** : It is built using HTML, CSS, and JavaScript, ensuring that users can interact with the system easily.
- **Controller** : After processing user input, it modifies the model or view as necessary. This architecture separates concerns and makes the application more modular, scalable, and easier to maintain. It also improves security and data integrity by ensuring proper input validation and separation of logic from presentation.

2.2 DATABASE DESIGN

The database for the Wedding Planner project is designed to store essential information about users, vendors, guests, tasks, and budgets. The MySQL database will consist of several tables, including:

- **Users Table:** Stores user details like username, email, and password (hashed for security).
- **Vendors Table:** Contains information about wedding vendors such as names, service types, contact info, and pricing.
- **Guests Table:** Keeps track of guest names, RSVPs, special requests, and meal preferences.
- **Budget Table:** Tracks wedding expenses, categories, and remaining budget.
- **Tasks Table:** Manages wedding tasks, their statuses, assigned persons, and due dates. These tables will be interrelated through foreign keys, ensuring data integrity and easy retrieval of associated records. The database will be normalized to reduce redundancy and ensure efficient data storage and retrieval.

3. FEATURES AND FUNCTIONALITIES

3.1 USER REGISTRATION AND LOGIN

The user registration and login functionality enables individuals to create accounts and access their personalized wedding details. Users can register by providing basic information such as their name, email address, and a password. Once the registration is complete, users will receive a verification email. The login feature ensures secure access to the platform, requiring a valid email and password. Session management ensures users remain logged in and only access their own wedding details. The user can use their email to reset their password if they forget it. This functionality ensures that only authorized users can modify their wedding details.

3.2 VENDOR MANAGEMENT

Vendor management is one of the key features of the Wedding Planner. Users can add new vendors to their wedding plans by providing relevant details such as name, contact information, service type (photographer, caterer, etc.), and price. They can also update the vendor details if needed. For example, if a vendor's availability changes or their pricing is updated, the system will allow the user to modify those details. Vendors can be marked as booked once the user finalizes the

arrangement, helping to track the status of each vendor. The application also supports searching for vendors by service type, making it easier for users to find the right vendor for their needs.

3.3 GUEST LIST MANAGEMENT

The guest list management feature allows users to add guests to their wedding list. Each guest's details, such as name, contact information, and meal preferences, can be entered into the system. Users can track whether each guest has RSVP'd and if they plan to attend the wedding. Special dietary restrictions or other preferences can also be noted. The system allows guests to be grouped into categories like family, friends, and colleagues, which helps users organize their invitations. In case of changes, guests can be updated or removed from the list as needed. This feature is essential for organizing seating arrangements and ensuring that the caterers are aware of meal preferences.

3.4 BUDGET TRACKER

The budget tracker allows users to manage and control wedding expenses. The user can set an overall budget for the wedding and allocate amounts to various categories like venue, catering, and photography. As expenses are incurred, users can enter them into the system, which will automatically update the remaining budget for each category. When users are getting close to or going over their budgetary restrictions, the system will alert them. Additionally, the expense summary feature provides an overview of the wedding's spending and ensures users stay on track with their financial goals. This helps prevent overspending and ensures the event remains affordable.

3.5 TASK SCHEDULER

The task scheduler is a key feature for keeping track of all the wedding preparation tasks. Users can create tasks such as "book venue," "send invitations," or "confirm catering details." Each task can be assigned a due date, and responsibilities can be delegated to specific individuals (e.g., assigning the task of booking the venue to a family member). Tasks can be marked as in-progress, pending, or completed, and reminders can be set to notify users about upcoming deadlines. This feature ensures that no task is forgotten and that everything is completed in time for the wedding.

4. TECHNOLOGY STACK

4.1 FRONT-END TECHNOLOGIES

The front-end of the Wedding Planner is built using HTML for content structure, CSS for styling, and JavaScript for interactivity. HTML provides the basic structure of the pages, while CSS is used to style elements and create a visually appealing design. JavaScript adds dynamic behavior to the application, enabling functionalities like form validation, AJAX requests, and real-time updates without page reloads. Bootstrap or similar frameworks can be used to ensure the application is responsive, meaning it works well on both desktop and mobile devices. This ensures a seamless experience for all users, no matter their device.

4.2 BACK-END TECHNOLOGIES

The back-end is powered by PHP, which handles all server-side operations, including managing user authentication, interacting with the MySQL database, processing forms, and sending email notifications. PHP scripts are responsible for validating user input, processing registration and login requests, and querying the database for data related to vendors, guests, and budget. The back-end ensures that the data remains secure and that users' personal wedding details are protected.

4.3 DATABASE

The Wedding Planner's core is the MySQL database. It keeps track of all user, vendor, visitor, budget, and task information. Each table is carefully designed with appropriate fields and relationships. For example, the Guests Table will include fields like name, RSVP status, and meal preference, while the Tasks Table will track task names, due dates, and assignees. The database is designed to handle complex queries, ensuring that data is retrieved efficiently and accurately. It is optimized for performance to ensure that the application can scale as the number of users and entries grows.

5. SECURITY MEASURES

5.1 DATA ENCRYPTION

Security is a priority in the Wedding Planner application. All passwords are stored securely using PHP's `password_hash()` function, which ensures that passwords are never stored in plain text. Additionally, all sensitive data, such as user details and payment information, will be transmitted over SSL/TLS to prevent interception by unauthorized third parties. This encryption ensures that data is protected during communication between the user's browser and the server.

5.2 SQL INJECTION PREVENTION

To prevent SQL injection attacks, the application uses prepared statements and parameterized queries. These methods ensure that user input is safely incorporated into SQL queries, preventing malicious users from executing harmful SQL commands that could compromise the database.

5.3 SESSION MANAGEMENT

PHP's session management system ensures that user sessions are secure. Once logged in, users are assigned a unique session ID, which is stored on the server. This ID is used to identify the user during their interaction with the application. Sessions are time-limited and expire after a set period of inactivity to protect against unauthorized access. Additionally, session data is stored in a secure, server-side location, preventing client-side manipulation.

6. IMPLEMENTATION AND TESTING

6.1 DEVELOPMENT PROCESS

The implementation of the Wedding Planner project involves a structured and phased approach to ensure the system's quality and efficiency. The development process begins with planning, where the requirements are gathered, and the core features, such as guest management, vendor tracking, and budget monitoring, are clearly defined. In the design phase, the system architecture is created, including the database schema and the overall layout of the user interface. Both the front-end and back-end capabilities must be coded during the implementation phase. The front-end is developed using HTML, CSS, and JavaScript for interactivity, while the back-end employs PHP to handle business logic and database communication. The project is put through a rigorous testing process after the features are completed in order to find and address any faults or difficulties. The testing phase is divided into unit testing, where individual modules like user registration and budget tracking are verified, and integration testing, where the interaction between different components is tested to ensure smooth data flow. Last but not least, user acceptability testing (UAT) entails actual users interacting with the system to make sure it satisfies their needs and expectations. Continuous testing during development ensures the system remains robust, secure, and user-friendly. This phased approach guarantees the application is delivered on time and functions as intended.

6.2 TESTING

Testing is a critical part of the development process and ensures that the Wedding Planner application works seamlessly under various conditions. Every feature is examined separately during unit testing to make sure it operates as intended.. For example, the guest list management module is tested to verify that users can add, update, and delete guest entries. Integration testing checks that

different modules, such as the guest list and budget tracker, work together without errors or data conflicts. Special emphasis is placed on testing the security features, such as login and password encryption, to ensure user data is protected. Performance testing evaluates the application's ability to handle multiple users and large datasets without slowing down. Usability testing is conducted to ensure that the user interface is intuitive and easy to navigate. Any issues identified during testing are documented, and solutions are implemented to resolve them. Regression testing is performed after fixes to ensure that previously working features remain unaffected. By addressing all potential issues during the testing phase, the Wedding Planner application is made reliable, efficient, and ready for deployment.

7. CONCLUSION

7.1 PROJECT OUTCOME

The Wedding Planner project successfully provides a comprehensive and user-friendly platform for managing all aspects of wedding planning. By integrating features such as guest list management, vendor tracking, budget monitoring, and task scheduling, the system simplifies a traditionally complex process. Users benefit from the ability to organize their weddings effectively, ensuring that no detail is overlooked. The project also demonstrates the effective use of PHP and MySQL to create a secure and scalable web application. With its structured design and intuitive interface, the Wedding Planner system meets its primary goal of making wedding planning stress-free and efficient.

7.2 FUTURE ENHANCEMENTS

While the current implementation of the Wedding Planner system covers the essential features required for wedding management, several enhancements can be considered for future development. One improvement could be the addition of a mobile app version, allowing users to access the system on-the-go. Another potential feature is AI-powered vendor recommendations, where the system suggests vendors based on the user's preferences, budget, and location. Integration with social media platforms can allow users to share updates and invites seamlessly. Additionally, incorporating a chat support feature can help users resolve queries and get real-time assistance. These enhancements will further increase the system's value, making it a must-have tool for wedding planning.

8. ACKNOWLEDGEMENT

Any task's joy and would be incomplete without acknowledging the people who made it possible—their unwavering support and encouragement that ensured our efforts were effective. I would like to thank Principal Dr.R.Moses Daniel and my guide, Assistant Professor Ms.Surabhi K.S for providing us with all the necessary materials for this project.

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