

Innovative Wedding Web Application Using Market Analysis Through Wireframe

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Abstract-

The goal of the study on wedding web applications is to examine the functionality and usability of web-based tools created to help people plan and manage weddings. In order to conduct the research, it is necessary to carefully review a number of wedding websites, dissect their functions and user interfaces, and assess how well they facilitate the wedding planning process. Insights on the advantages and disadvantages of current wedding web apps may be gathered from this study, which can guide the creation of new platforms that more effectively serve users' demands.

Keywords: Virtual Reality, Plan and manage, Budget management, Reserve wedding.

1. Introduction

A wedding planner is a specialist who helps with the conception, organization, and administration of a client's wedding. Couples frequently spend a great amount of money to ensure that their weddings are well-organized because weddings are important events in people's lives. Couples who work long hours and have little free time to find and manage wedding venues and vendors frequently hire wedding planners. Professional wedding planners are found all around the world, although the USA, India, Western Europe, and China have the greatest markets. The wedding planner comprises the following services: 1. Client Side, 2. Admin Panel, 3. Reserve wedding packages; 4. View wedding albums; 5. Manage blogs and events; 6. Manage guest information; 7. Event Calendar; and 8. User Profile.

Budget management, client management, and managing clients' wedding profiles are the new services we're introducing.

2. Proposed Methodology

There are just 15 responders in the sample size for this study. The respondents in this survey are people under the age of thirty. The study mostly relies on secondary data. The source of all secondary data is the study papers of other researchers. A questionnaire and an outdated study paper were used to acquire the data for this paper. Individuals and families are the members of the research paper's target audience.

This study includes-

Market Analyze: The existing situation of the market and possible chances for a wedding planning application might be revealed by market research studies on the wedding and technology industries.

Create user personas: To help direct the design process, create profiles of typical users based on their demographics, interests, and behaviors.

Create a wireframe: Outline the application's structure, navigation, and user flow in a wireframe or prototype. Use the wireframe to get comments from stakeholders and to explain the application's concept.

Literature survey

Researchers looked at the variables influencing the desire to use wedding planning mobile applications in a more recent study by Al-Majali et al. (2021). They discovered that user intention to use such programs was significantly affected by perceived utility, simplicity of use, and enjoyment [1].

The couple would benefit from using a decision support system (DSS) to assist in making decisions on their wedding renewal ceremony. A DSS is a kind of knowledge- or computer-based system that supports decision-making processes [2].

In one study, Lee and Park (2018) assessed the usefulness of a mobile application for wedding planning. The researchers discovered that the program successfully gave users access to a number of capabilities, such as vendor management, guest list management, and budget management. They did, however, also point out areas that needed work, such as upgrading the user interface and offering more thorough vendor information [4].

Creating an online database with a list of all available presents and services might be one way for event planners to handle the receipt of gifts and services related to an event. A second price that is more expensive than the first price may be attached to each gift or service. On behalf of the participants, the organizer can choose presents and services, then instruct the service providers to provide the gifts or give the services during the event [3].

Plan-based is how we work, and we make multi-step strategies for gathering and processing events. These strategies take use of the temporal correlations between events and event occurrence data to reduce event transmission costs while simultaneously fulfilling the application's particular latency requirements [5].

Compared to the conventional DSS, the Web-based Decision Support System (WDSS) has brought about two important advances in the architecture and consistency domains. The WDSS design has changed from mainframes to client-server systems, then to distributed systems based on the Web and network technologies. This change allows for the integration of a significant quantity of data and decision support tools from multiple interdisciplinary sources, which may be found in a distributed computing environment, to aid in decision-making. Decision-makers now have access to a wider variety of data and resources that were previously unavailable because of restrictions in the conventional DSS architecture [6].

We offer a framework for tackling problems with time-dependent planning, where the amount of time available to react to anticipated events fluctuates and the complicated decision-making process needed to come up with workable solutions. Our study of time-dependent planning leads

us to believe that a strategy based on the so-called "anytime algorithms" class of algorithms would be beneficial. Anytime algorithms are made to be stopped at any moment while they are running and deliver a result whose usefulness depends on how long it took to run. We investigate several anytime algorithm-based approaches for resolving time-dependent planning issues. Using these techniques, we may create planning processes that are more effective and efficient, flexible enough to adjust as needed, and that improve the results of decision-making [7].

This system provides a complete event management and planning solution. It consists of a number of modules that offer different tools for properly planning and managing an event. The components include a task manager, a cost tracker, an expense tracking system, an event planning system, and an event data center.

The event planner can easily handle every component of an event thanks to the event planning system. The event info center gives participants a URL so they may get all pertinent details about the event from one place. The task manager enables the planner to make many tasks that may be dynamically changed or removed and assign them to attendees. The event website automatically updates any updates made by the planner to the event details [8].

According to the research, wedding web applications have the potential to make the planning process easier, but how effective they are will rely on several variables, including usability, user experience, and perceived utility. To further understand the features and functionality that will best serve user demands, more study is required.

Block Diagram



Fig. 1 Block Diagram

The online wedding planner includes several components and functionalities, as depicted in Fig. 1. Here are some explanations of the components incorporated in the system:

1. Login management: This module handles users' registration and authentication processes. It allows new users to create accounts and existing users to securely log in. By implementing this module, the system ensures that only authorized individuals can access their wedding planning details.

2. Package management: This module assists users in effectively managing their wedding budget. It provides features allowing users to set a budget, track expenses, allocate funds to different categories (venue, catering, and decorations), and generate reports or visualizations to monitor their spending.

3. Wedding report: A wedding report is a comprehensive document that offers an overview of the wedding planning process. It encompasses various aspects, including budget management, guest list, vendor management, tasks, and timelines. By utilizing the data, statistics, and insights gathered from the wedding planning web application, the report helps users evaluate their progress and make well-informed decisions.

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Fig. 2 Login Page

The login page is the first entry point for Admin on the wedding planning website as shown in Fig. 2 login page.

- Email field: Admin enters their registered email address in this field.
- Password field: Admin enters their password.
- in this field. The characters are usually masked for security purposes.

Fig. 3 Home page



The home page of the wedding planning application consists of a variety of things from user login to wedding packages as scrolling down as well as it is designed user friendly as shown in fig. 3 home page. It contains the following components -

- **Navigation menu:** A menu bar that provides links to different sections of the website, such as pricing, inspiration, gallery, contact us, etc.
- **Task management:** A section where users can create, manage, and track their wedding planning tasks. It may include features like setting deadlines, marking tasks as complete, and adding notes or reminders.
- **pricing:** A tool to manage and track wedding expenses, allowing users to set a budget, add expenses, categorize costs, and view overall spending.
- **Inspiration and Gallery:** A collection of images or ideas to inspire users in their wedding planning process, showcasing various themes, decor, dresses, and more.
- **Help and support:** Links or access to customer support, FAQs, tutorials, or a live chat feature to assist users with any issues or questions they may have.

Future Scope

Web apps have been essential to the enormous growth that has occurred in the wedding business in recent years. For wedding web applications, the following prospective growth and development areas are listed:

- **Personalization:** As weddings become more customized, web tools that may take into account specific preferences are required. Future online applications might let you customize anything from menus to invitations.
- **Artificial intelligence:** AI web programs can help couples make wise decisions. For instance, an AI-powered application can recommend the top wedding vendors based on the couple's choices.
- **Augmented Reality:** Couples can visualize and customize their wedding day with the use of augmented reality (AR) technology. Couples may be able to explore and customize wedding venues, decorations, and even their outfits in augmented reality with the help of future web applications.
- **Sustainability:** With rising environmental concerns, sustainability is quickly becoming a crucial component of weddings. Future online applications might provide environmentally friendly solutions for anything from decor to invitations.
- **Virtual Reality:** Future online applications may use virtual reality technology to let guests attend weddings from the comfort of their homes as virtual events become more popular.
- **Collaboration:** Working with numerous vendors, planners, and guests is a common aspect of wedding preparation. Future web applications could make it easier for everyone to collaborate and communicate with one another.
- **Data analytics:** Online applications can collect information on a range of wedding-related topics, including trends in venue preferences, supplier preferences, and wedding finances. This

information can be utilized to spot new patterns and modify services in response to couples' evolving requirements.

Conclusion

The study pinpoints the element that impacts wedding quality most, which is vital for comprehending consumer attitudes. The study investigated the Indian wedding sector as a whole. For those who desire to develop a career in the event management business or as a professional wedding planner, further education might serve as a starting point.

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