

PHP Laravel Framework based Wedding Web App for Digital Invitation

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Abstract- Recent developments in the field of information technology are reflected in every business today, including the food industry, the textile industry, and daily necessities, but the one thing that has not changed is the wedding invitation process. It still performs tasks like bookings, collecting feedback, etc manually. Wedding lawns offer all-inclusive services like catering, decorations, and food. The proposed work has found a solution for paper wastage required for printing wedding invitations. It also speeds up the process by changing the offline invitation process into a digital process thus reducing workload. This web app uses HTML 5, CSS 3, JavaScript, Bootstrap 4, and JQUERY for the front end, and the PHP framework Laravel for the back end.

Keywords- Digital Invitation, Wedding, Web-App, Booking, Testimonial, PHP framework Laravel.

I. INTRODUCTION

Due to high human mobility, the world of commerce must be able to provide goods and services immediately in order to meet customer demand. There are currently developing transactions that connect service providers and customers via the internet to address these issues. The rapid growth of the internet has also been accompanied by the rise of numerous types of web applications, including services for web-based information systems and apps for smart phones.

Recent developments in information technology are reflected in all fields. Artificial intelligence is used in almost all industries including home automation. Nowadays, information technology has practically permeated every industry, except wedding invitations. The family of the bride and groom may now send invitations from the convenience of their own homes, saving a ton of hassle. If the invitation is digital, there is no need to go door-to-door. A digital wedding invitation could spare them from dealing with issues like

1. Time- The physical invitation takes time to create and distribute it to relatives and friends. By using digital invitations users can save time and can focus on other tasks.

2. Energy - By resolving the door-to-door invitation issue, digital invitations significantly save energy. People from the same town are simple to invite, but when guests are from other towns, complications can arise. A digital invitation makes it simple to invite guests digitally without any problems.

3. Money- Digital invitation saves lots of money. The average count of invitations to weddings is 800 to 1000 which cost a minimum of 700 to 1000 INR per invitation which is a wastage of money & paper. With the development of technology, the digital wedding invitation process is now advanced. With the proposed work, we have solved the problem of paper waste, offline wedding invitation headaches, and hectic lawn booking management.

II. LITERATURE REVIEW

We carried a comprehensive review of already existing wedding related web apps [1] - [5]. Table 1 Compares already existing Web Apps with respect to different parameters such as business type, user interface, cost, type, user experience, etc.

Parameters	Wedding Invitation Card Maker	Invitation maker & Card design	Wedgewood	Digital invitation
Cost	Less	More	More	Less
Type	Android App	Android App	Android App, IOS, Web app	Web App
User Experience	Worst	Intermediate	Intermediate	Extreme
Internet Connection	Not Required	Not Required	Required	Required
Advance Options	Not available	Not available	Not available	Available
Usability	Not Possible	Not Possible	Not Possible	Possible

In wedding invitation card maker we can make invitations through the android app and the cost is also less. The limitation is the user interface is so complicated and does not support the advanced option for the creation of invitations. [1] The invitation maker and the card design is available in the android app and the cost is more for purchase. The worst part is usability is less and user experience is intermediate.[2] Another app is wedmegood which is available on all platforms which are Android app, iOS app, and the web app. But the cost is very high for the invitation.[3] The web app for digital invitations overcomes all limitations of these three applications. Digital invitation web app is providing enhanced experience in the user interface and user experience. It also supports advanced options, which will be explained in the next section.

III. PROPOSED DESIGN

Before actual implementation of the system, we have collected the data from common people facing the wedding management issues. We carried out in-depth research and later applied an exploratory research design on the digital wedding invitation system. In the system design we have used Laravel

Framework of PHP programming language with MySQL database and some software/support tools like Visual Studio Code as PHP script editor, XAMPP version **7.4.30** as PHP Installation Package, Apache, MySQL, and Google Chrome as the browser used to run this application.

1.System Design

Figure 1 shows each step involved in designing the system. There are seven different modules like home, create invitation, manage invitation, gallery, view design, booking, and feedback. The lawn administrator will log in to the web app where the first option 'home' will be displayed, where the admin can see the live invitation, total booking count and testimonials count. The second option is 'create invitation' where staff will enter the credentials of the invitation to create an invitation. The third option is 'manage invitations' where staff can see the live invitation. The fourth option is for the gallery where staff can add/ remove gallery images and videos related to previous weddings.

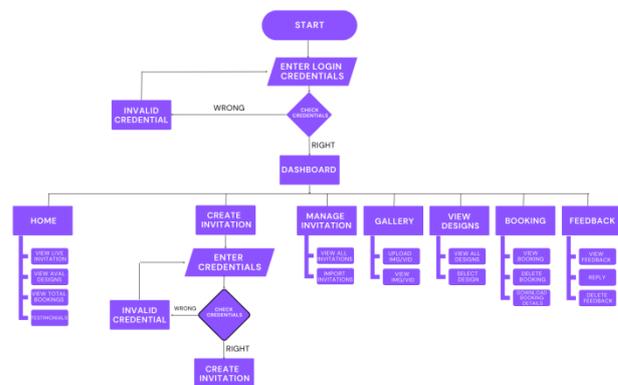


Fig. 1 Flowchart of Detailed System Design

The fifth option is view designs where the lawn administrator can see the available designs for the invitation. The sixth option is booking where staff will see the booking inquiry and also be able to download details in different formats like PDF, Excel, etc. The last option is feedback where staff can see the feedback received from the lawn visitor and can respond to feedback and also be able to delete fake feedback.

2. Current system analysis

Figure 2 shows the how the finished app is utilised by different users. A lawn administrator is accessing the web page to create digital invitations by filling in the information of the bride and groom, then the invitation is successfully generated after filling in all the required information of the bride & groom. After that generated invitation is shared with the bride & groom's family. Lastly, these two families will share the digital invitation link with their family and friends.

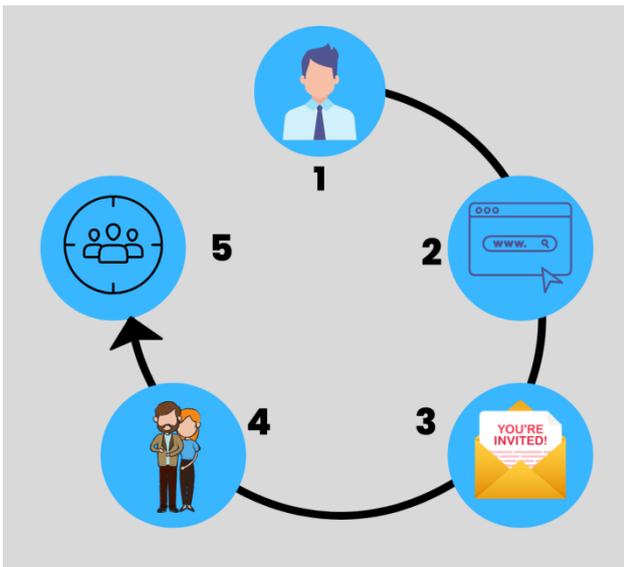


Fig. 2 App workflow (1. Lawn administrator, 2 Digital invitation web app, 3 Invitation, 4 bride-groom families, and 5. Friends and relatives).

3. Benefits of Digital Wedding Invitation

- [1] Using this web application, we have addressed one of the major challenge faced by the bride's and groom's families when it comes to physically invite guests by knocking on doors.
- [2] We are also addressing the issue of lawn owners needing to book a lawn. Administrators may quickly upload images and videos of the lawn to the users' view, share the updates with them, and even delete them. Administrators of digital invitations have the ability to edit, remove, and modify the invitations in accordance with user requests.
- [3] We are also dealing with the critical problem of paper waste, which is a significant issue during the wedding season. The invitation will be eco-friendly, which will undoubtedly benefit the

environment. There is a lot of work and not enough time during weddings.

- [4] Users may focus on other tasks and save their time by using this online application. Apparently, sending digital invites is far more feasible than sending paper ones. When compared to offline cards, which typically cost 700/- to 1000/- INR for wedding cards, it will cut down the cost of invitations.
- [5] Digital invitations simplify the process and decrease labor costs.
- [6] For those who wish to create an invitation based on their caste or preferences, this app will provide caste-specific themes in digital invitations as well as a variety of themes for various people.

The online lawn booking is preferable to the offline lawn system since it makes the booking process simpler for everyone and allows consumers to see if the lawn is open or closed. With this web app, the lawn websites get ranked on google because the invitation link is shared with many peoples. The web app also provides a system for user feedback about lawn management. In addition to this, admins have the ability to respond to user feedback and remove any fake reviews left by competitors.

VI. CONCLUSION

Finally we conclude that our proposed digital wedding invitation app will definitely solve the issues related to paper wastage on printing the invitations. It is also financially affordable as it minimises the money spend on printing the invitations. In addition to this, the staff at a wedding venue or lawn may reduce their stress levels by using our proposed web application to automate tasks of booking and creating digital invitation. The bride and groom may select themes they want for their digital invitations using this web app, which gives a variety of theme options. The web app also provides a chat feature for reviews so that the administrator may respond to feedback. Lastly we can say that with our proposed web app, a wedding ceremony will be no longer a hectic process for anyone and will enjoyed fully by every person.

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