Adventuresandyou.com: A Responsive Web-Based Application

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Abstract: Internet is increasing the global system day by day. In recent years lots of efforts were devoted for social media, online shopping, online transactions etc. Those days are gone when people had to wait in a long queue for getting tickets and completing payments. Now anything can be done through internet, may it be transactions or booking. We proposed and implemented a system which helps the End User to book for events online. “adventuresandyou.com” is a web-based application, which help end user to book tickets online for events such as Plays, Concerts, Dance, Marathons, etc. By visiting the website, the user is a few clicks away to fill the event form. Online transaction facility makes the payment procedure easier as the user can pay online for the booked event and can keep track of transaction also. Any person can directly contact to the Administrator of the website directly by filling their Contact details. The website contains mainly two modules and the whole working of website is dependent on these modules. This paper takes review of Web-Based applications and their capabilities, and advantages. It also gives idea of various technologies.

Keywords: online transaction, web-based, events, end-user, customer, organizer, tickets.

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1. Introduction

Web applications refer to applications accessed via Web browser over a network and developed using browser-supported languages (e.g., HTML, JavaScript). [1] This project is a PHP based web application. It is aimed to provide the End user the facility to book tickets online for multiple events, like Marathons, Cyclothon, Dance, Plays, Adventures, Racings and Rally etc., anytime anywhere. There are many respective facilities given to end user. This application will help the End user in booking tickets online. They do not require going out and wait in long queue for the availability of tickets. It can be accessed from anywhere. The end user is required to visit the website and fill the event form with their information in order to book the tickets for the selected events. The online transaction facility has also made the payment procedure easy for the users. The user can keep track of transaction. Any person who wants to organize an event can also contact directly to the Administrator of the website by filling their Contact details. We have the modules that makes the project working efficient. It is basically made for providing booking services to End users and also so that the user can gather information about the various events which already took place and other upcoming events. This web-application is easy to maintained and easy to use. The user can easily be able to know about the dates, venues of event. This project has the following modules, helping it to work efficiently: Admin Module and Ticket Booking Module

1.1. Admin Module

The Admin Module explains the various tasks which can be performed only by the admin of the website. The admin has a special access to all the data of the website. This module has special privileges. The admin can:

- Login to the website.
- Access user information.
- Check payment confirmation.
- Check complete booking history.
- Release tickets for the event.
- Add or delete user information.
- Has full access to the website.
- Has full access to the database.

1.2. Ticket Booking Module

The Ticket Booking Module is also a very crucial module. This module elaborates the sequence in which a user can book a ticket. In this module the following can be done:

- User can see all information of events.
- Select the event to participate.
- Fill their basic information.
- Fill their Personal information.
- Confirm Ticket Booking.
- Perform online transaction.
- Print the event ticket.
2. Literature Review

A website is a combination of Designing, coding and Database. Without these three, it is impossible to create a website. The designing part is about the look and feel of the website. A better design leads to an attractive website. The website can also be made responsive which helps the user to view website properly in any screen size. So the designing is the Front-End of the website. Coding is the backbone of any website. If designing is completed, coding should be the next part to work on. Coding helps in controlling the whole website. It signals and controls the movements, click-events etc. With the help of coding any kind of functionality can be performed. Lastly, database, which is an integral part of web based application. A database works as a Back-End of any website. All the information, filled in any input form of a website is stored in the database. A database consists of a number of tables according to the need of the application. Database works with the help of Query. These queries help in performing actions such as Add, Delete, and Update data.

2.1 Front-Ends

- HTML: The HTML stands for Hypertext Markup Language. It is used to create and design a website.
- CSS: It stands for cascading Style Sheet. It is used to apply various styles to the HTML.
- Bootstrap: It is the most popular HTML, CSS, and JavaScript framework for developing responsive, mobile-first web sites

2.2 Back-Ends

- PHP: The full form of PHP is Hypertext Preprocessor. Earlier it was known as Personal Home Page. It is a server side Scripting language
- JavaScript: It is a client side Scripting language. It is mainly used to apply validations on the website.

2.3 Tools

- Dreamweaver: In the development of this website, I have used the Dreamweaver software. This is excellent software to write codes.

2.4 Servers

- Xampp: Xampp is a free and open source platform for web server. It is a simple and lightweight and is extremely easy for developers to create a local web server for testing and deployment purposes

3. System Design

System design is the process of defining the architecture, components, modules, interfaces, and data for a system to satisfy specified requirements. Systems design could be seen as the application of systems theory to product development.

3.1 Data Flow Diagram (DFD)

A data flow diagram (DFD) is a graphical representation of the "flow" of data through an information system, modeling its process aspects. A DFD is often used as a preliminary step to create an overview of the system without going into great detail, which can later be elaborated.
5. Advantages

The proposed system has a number of advantages. They are the following:

1. Online ticket booking for various events.
2. User can go through the list of all events.
3. User can fetch all information of the event.
4. Information like venue, date of the event.
5. Online ticket available.
6. Multiple payment options.
7. Options such as debit card/credit card.
8. Internet banking and wallets also available.
9. Multiple merchants for convenient payment.

6. Scope and Objective

• The main objective of this system is to provide a platform to the end user should be able to book tickets for any event at any time according to his/her convenience.
• The application must contain the information of the all upcoming events as well as the events held in past.
• It should contain all the information of the upcoming events, like Name of event, Category of the event, Organizer of the event, Venue and date of the event etc.
• An admin is important for scheduling and administrative work of site. His responsibility would be to release tickets after the payment is confirmed.

7. Conclusion

The present working systems are very uncomfortable and time consuming. A person has to dedicate his time and adjust his/her schedule to visit different offices for booking ticket for various events. The proposed system is developed so that the user does not have to adjust their busy schedule. The proposed system will not only provide comfort to users within the city but also from the users residing in other cities, who can book their tickets online. Since this application is:

• Time saving
• Comforting
• User Friendly
• Less complicated

With all these good reasons, it justifies the meaning of comfort. Since it has the option to pay online, the user can easily keep track of their transactions. The system of standing in a long Queue...
and longing for their turn is hectic. So the users will get their comfort and the website will have the privilege to have happy customers.

8. Limitations

The limitations of the proposed system are:

- This application is not useful for the users who do not have knowledge of operating or accessing internet.
- Without Internet Banking/Credit/Debit cards Payment procedure is impossible.

9. Future Scope

Every application needs an update after sometime. An update gives new look to the existing website which makes it more interactive and attractive. Update is also important so that the system or application can achieve new working techniques. In the current system, there are many scopes which can be implemented in future for a very good multifunctional website. There are some features that could be added later for an advanced and enhanced website. Those are:

- More events can be added to the website.
- User account can also be added.
- User account will give more give access.
- User will be able to track his transaction.
- User can also tracks the participated events.

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10. References


[4] https://www.w3schools.com/bootstrap/


