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Optimizing User Experience through Responsive Web Design

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Abstract

In this work we have worked on a project Travel website . A project designed that uses the basic concepts of Full stack, python, functions and Databases to create a program that would help in creating and generating Travel websites and storing the data in a database. This paper provides a summary on varied aspects of full stack web development. The purpose of travel sites is to make it easier for people to plan and book their trips. this travel website is a website that provides travel reviews, trip fares, or a combination of both. Over 1.5 billion people book travel per year, 70% of which is done online. we helping you find the best deals on flights and hotels, providing detailed information about destinations around the world.

Article Status

Keywords

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1. Introduction

each, the front-end and back-end of a program. It is a term largely used for those operating in web development. The developers have background on making program and user expertise for front-end, and even have robust information in an exceedingly programming language that's used for handling the logic of the appliance, therefore back-end. [1]Full stack developers are also termed as "developer generalists", as they will produce any complicated application from scratch, provided they have understood how each and every technical layer ought to act with the other. As Full stack web development refers to the both of each front-end and back-end of an online application, web application, the development method contains 3 layers, i.e., the logic layer (back-end layer), the presentation layer (frontend layer) and the information layer (database layer). Full stack development is the process of designing, creating, testing, and deploying a complete web application from start to finish. It involves working with various technologies and tools, including front-end web

Full stack web development is the scenario of acting on

development, back-end web development, and database development .Full stack development is a term used to describe a software engineer or developer who works with both the front and back end of a website or application. A full-stack developer is comfortable working with front-end and back-end technologies that power a website or application.

2. Components Of FULL Stack Web development

The components of full stack web development are -

- Front-end
- Back-end

Front-end is the part that users see when they visit the websites, web-applications.

- · User Experience (UX)
- · User Interface (UI)

Back-end is the part that is hidden from the users but is a part of the development process. The back-end part can be divided into two types –

- · The server
- · The application.

3. Flow chart of website

Flowchart of the travel website which is shown in Fig1.this shows how users can go through to our travel website. This flowchart tells very much about our website in a very simplified way, which helps users to understand it in a better way.

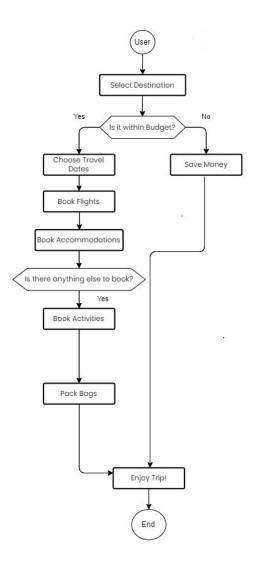


Figure 1. Flowchart of travel website

4. Results and discussion



Figure 2. output of the travel website



Figure 3. output of the travel website

Travel web sites focus on travelers their target visitors and their main objective is to satisfy the information needs of travelers, including communication among travelers and between travelers and tourism professionals(including governmental agencies which provide the information).^[3] Tourism,companies,non-profit organizations, and personal web sites that provide information and electronic transactions or facilitate communication and information exchange among travelers can be categorized into travel websites.

This is an essential part of the process since it will influence everything from your site layout, the design, to the domain itself. All the later choices will stem from this first fateful decision.

In this travel website we added information about the places,hotels,and country. The first page of our website is shown above in the figure 2,and our next page of travel website which is shown above in the figure 3 by this you can frigate an overview of our website. We make a very travel friendly site where people can go through whatever they want and the process of this is very simple. People can also open the direct link of instagram, facebook and twitter which we placed in our website. We tried to make this website very travel friendly.

5. Conclusion

Travelers continue to seek authentic experiences. The tools they use to research and book these experiences are constantly changing due to innovations in technology. Destinations are also challenged by limited financial resources and strong competition for tourist dollars from other iconic and even lesser known locations. [9] The personalisation of travel suggests that independent travel will have a stronger presence than group travel, however, we must always consider the type of traveler. The travel services sector is being forced to innovate at a startling rate. In the past, face to face consultations with a travel agent was paramount for booking both leisure and

business travel. Technology and global circumstances, such as pandemics, financial collapses, and terrorism, have put pressure on tourism and travel services. With the development of OTAs and emerging and disruptive technologies, the travel services landscape is constantly changing. FSWS are able to work in multiple environments such as Front-end and back-end simultaneously. [8]It gives companies a huge profit as they could get a lot of work done by a few professionals rather than hiring a bunch of developers to work on all parts of websites/applications. Having knowledge of different platforms such as MEAN stack, MERN stack, LAMP stack, WAMP stack, etc. FSWDs are able to put their effort into the project easily and get the required outputs as per benefits of the company.

The future of FSWDs is very bright as the developers are in huge demand and it will keep on increasing at a big rate.

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