Guided Travel

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Abstract- *In the meantime of growing technology with getting great innovations regarding travels and stuff, I have developed a web app that will guide a traveler to plan their trip before stepping out. In this great web app, I have already researched all the issues which have been faced by traversable and tried to cover all of their problems in my web app. With that, I have added different modules such as Hotel Booking, Rental Car, Quick suggestions of great places in a specific city, Event Updates, Event Bookings, and much more. So by all these modules, a traveler can procrastinate and plan their trip without any hassle and the design is also user-friendly.*

Keywords- Hotel Room booking, Rental car booking, event ticket booking, top destination places, rating of hotel and car.

I. INTRODUCTION

In the meantime of growing technology with getting great innovations regarding travels and stuff, I have developed a web app that will guide a traveler to plan their trip before stepping out. In this great web app, I have already researched all the issues which are been faced by travelers and tried to cover all of their problems in my web app. With that, I have added different modules such as Hotel Booking, Rental Car, Quick suggestions of great places in a specific city, Event Updates, Event Bookings, and much more. Our software application aims to be a complete solution for a web based rental car, hotel booking and event ticket booking companies. One of the best feature of our website is we provide all bookings (like hotel room booking, rental car booking, and event ticket booking) at one platform. Everyone can pre plane their trip using our Web-app. It also allows the administrator managed data source in short time. Rental car booking can be easy for tourists, travel agencies and Private visitors to online make research compare Cars prices and make reservations, online payment when they travel.

The manual reservation system uses paper and direct human interaction to book the hotel room and manage reservations. Reservation is done via phone calls or by visit in person to the hotel reservation office. The guest's personal details such as Name, gender, Age and Duration of visit or stay, are entered during booking made. Then The guests receive their expenditure at the accounts office as they check out, where they pay for remaining balance if any. After analyzing various traditional booking systems, we had noticed the below problems in their system.

- Manual systems for storing records are not consistent as some inaccuracy can creep in while writing records manually.
- Guests or visitors may face a hard time getting a place to stay in the area.
- It is difficult to store records of availability of rooms and huge numbers of customer's records.
- More manpower is required and the current system consumes too much time to make reservations and storing data.
- Inaccurate of records or data.

We are trying to solve all this and many more problems in this web-app.

II. LITERATURE REVIEW

This section provides the literature review which is related to the project development and makes reference to the existence of other systems. The sources are referred from the book, articles, journals and also sources from the internet. Currently, there are lots of other web-apps which are currently trending with their unique functionalities but all of them are having different bugs and issues which are affecting their users so I've developed this project and due to that, almost every problem which is currently faced by users can be resolved.

This project will help the user to book cars, hotels and book their presence in the events. Not only users but service providers such as car owners, event and hotel managers have their login so they can also manage all that upcoming online bookings through this web-app. As payment gateway is integrated into this web-app, security is the other important concern, so the payment gateways are also secured and fast to process payments.

III. TECHNOLOGIES RESEARCH AND DEVELOPMENT

Our project's main goal is to improve the Booking system of hotel room booking, rental car booking, event tickets booking. First of all, we created a basic flowchart to get a clear idea about how we want our web-app to work and perform its functions.
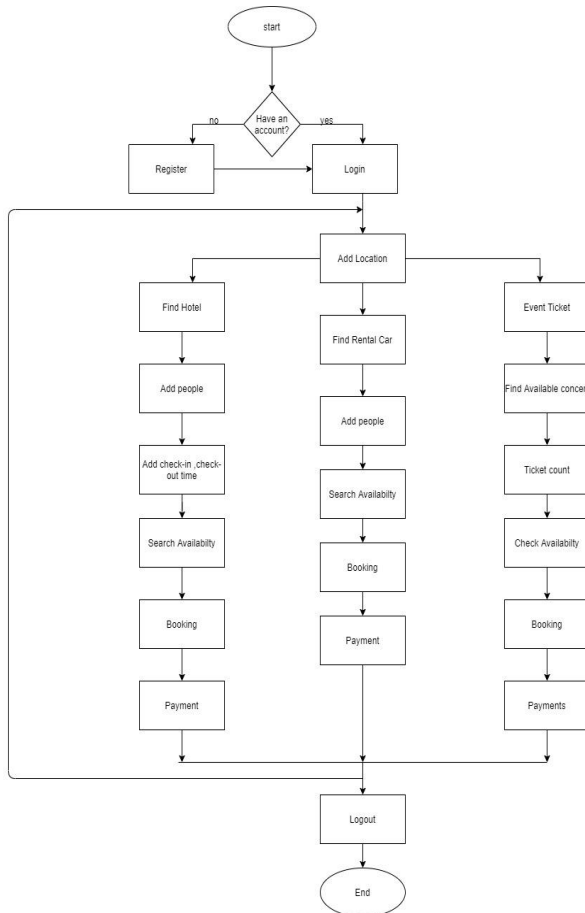

Fig 1: Flowchart

The Technology used to create this web-app:

PHP: PHP is Open Source to everyone to. PHP (Hypertext Preprocessor) is an open source programming language that is implemented on the server side. Easy Develop website in PHP language and also easy to manageable. It's cost effective and PHP also has Database flexibility.

Laravel: Laravel makes implementing authentication very simple. Laravel provides a clean, simple API over the popular SwiftMailer library. Laravel also provides drivers for SMTP, Mailgun, Mandrill, SparkPost, Amazon SES, PHP's "mail" function, and "sendmail", allowing an application to quickly get started sending mail through a local or cloud-based service. Integration with Tools for Making Web Applications

Faster.

Laravel helps to secure the web application by protecting it against the most serious security risks: SQL injection, cross site request forgery, and cross site scripting. Error and exception handling is already configured for any new Laravel based project. All Laravel routes are defined in the app/Http/routes.php file, which is automatically loaded by the framework. The most basic Laravel routes simply accept a URI and a Closure, providing a very simple and expressive method of defining routes. All Laravel routes are defined in the app/Http/routes.php file, which is automatically loaded by the framework. The most basic Laravel routes simply accept a URI and a Closure, providing a very simple and expressive method of defining routes.
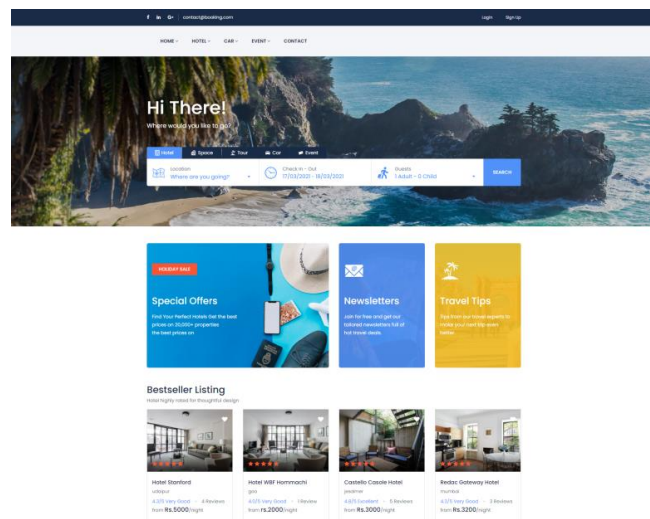
And many more.

Fig 2: Website's Home Page

MySQL: MySQL provides robust data security to protect data including secure connections. Scalability refers to the ability to spread both the database and the load of your application queries across multiple MySQL servers.

MySQL provides high performance to update, delete, show, edit, etc. functionalities in database.

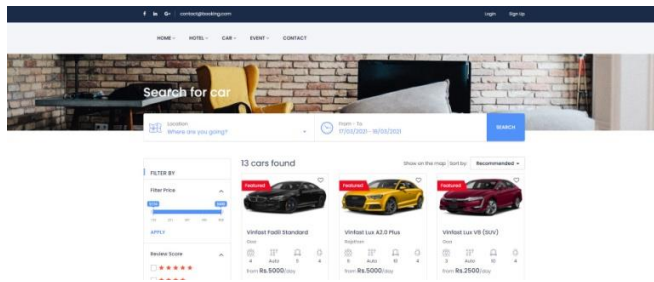Comprehensive Transactional Support is an awesome support system in MySQL.

Fig 3: Website's Car Page

Font Awesome: Font Awesome is a font and icon toolkit based on CSS.

Vue.Js: Vue.js is an open-source model–view JavaScript framework for building user interfaces and single-page applications.

jQuery: jQuery is a JavaScript library which is a free, open-source software designed to simplify HTML DOM tree traversal and manipulation, as well as event handling, CSS animation, and Ajax.
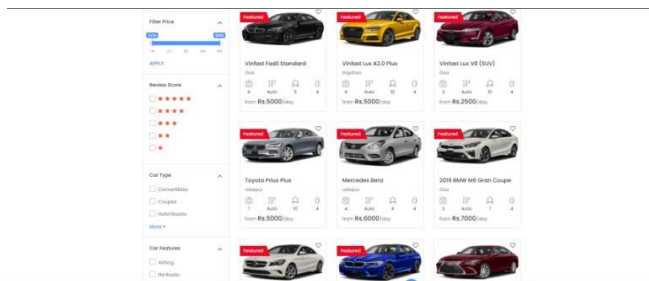

Fig 4: Website's Car Page

Apache: Apache is a free and open-source cross-platform web server software.

Bootstrap: Design has been done with an awesome framework of CSS called Bootstrap.

These technologies are very useful because of these features that's why we are using this in our web-app.

IV. STUDY FINDINGS

This website was designed to book different services while going on the trip so it can be lightly to have a flawlessly planned trip before stepping out. After making this web-app online, the client who has registered and tried our web-app has given us positive reviews and the services they've got were good at the rate with discounts. So that also makes our web-app most useful.

This web-app provides a service of booking so client can book them from here.

We took some of the references to design this web-app like make my trip, yatra, cleartrip, etc. to get all the unique features and put them in one platform for all those who scrawl to different web services to fulfill their requirements.

Although the above-mentioned options are quite new and expensive but are able to provide a significantly better outcome when compared with the smartphone-based augmented reality solution and will eventually become mainstream as technology advances and become cheaper.

V. CONCLUSION

After all the efforts made to make this project, finally, I've finished this project by covering all the unique modules and tried to make this project more user-friendly, with that, integrating smart payment options makes this project much more reliable and faster to use. So the user can earn more with good discounts and service providers can also get enough growth in their sales. The main purpose of this particular project was to provide reliability to every visitor on this web-app.

VI. ACKNOWLEDGEMENT

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