

Travel Vogue: A Web-based platform for reservation using node and express framework

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Abstract: Travelling and shelter for human in remote place is an integral part of life. The factors which are responsible for travelling and tourism are interesting hence we need to explore their demands and expectation so that we can provide them the best services. Travel vogue is an online travel agency website designed using express js and Mongo db. Travelvogue.com is an online platform that helps the user to reserve cab or hotel room of their choice. It also has a module of complete package where it serves those who wants to take a complete holiday package including travelling, food, hotel and guide at a mind-blowing price. This website facilitates the end user to view the hotel and hotel rooms based on the various categories and sorting preferences they select. It also lets the users register to the website so that his/her individual profile can be maintained. He/she can access and modify his/her profile by signing in. New users are given sign up option. The system admin can add and manage the configurations of the website. She/he can add and modify the products, offers and manufacturers related to all the products. She/he can also create users for the system and assign them access rights based on the requirements and their job duty. System admin can also view various reports to fulfill certain job duty and reports help them to take decision and make business plans.

I. INTRODUCTION

The purpose of the website is to make your travelling easy, convenient and at affordable price. You do not have to rush here and there for any resources that is required in your travelling. We provide everything including flight booking, hotel booking, cab booking, and we have an exclusive option for complete trip package.

II. OBJECTIVE TO STUDY

The current scenario is that user browses different websites for different booking like hotels, cab, flights.... etc. Searching all over the web can be cumbersome and not efficient.

The main purpose of the study is to combine all aspects of booking through the Online web portal as Travel Vogue

- Providing Web Based Ticket
- Making the Booking easy by combining all the booking facilities for user.
- Ability to cancel the ticket.

III. MODULES OF WEBSITE

The website has total 4 modules.

- Flight booking
- Hotel booking
- Cab booking
- Complete trip package

It also has a signup and sign in page. Technologies that were used in this project are HTML, CSS, JAVASCRIPT, BOOTSTRAP, NODE JS, EXPRESS JS, MONGO DB. Also, we have used postman for api testing and jira tool for bug tracking, issue tracking and project management.

IV. Figures and UI elements

Figures and tables must be centred in the column. Here are some UI elements of travel website.

1). Navigation bar



Fig. 1 Navigation bar section

2). Site Map

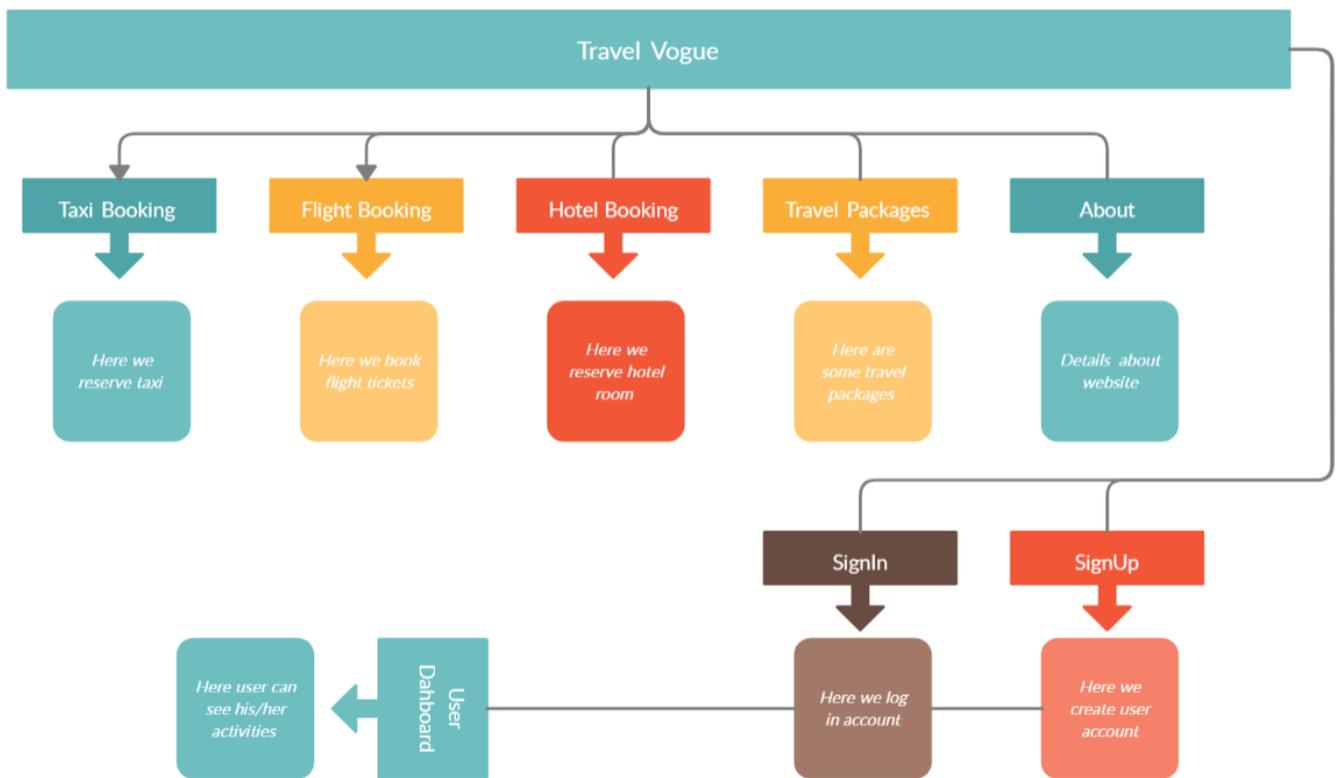


Fig. 2 Site Map of Website

2). Working of Backend of website

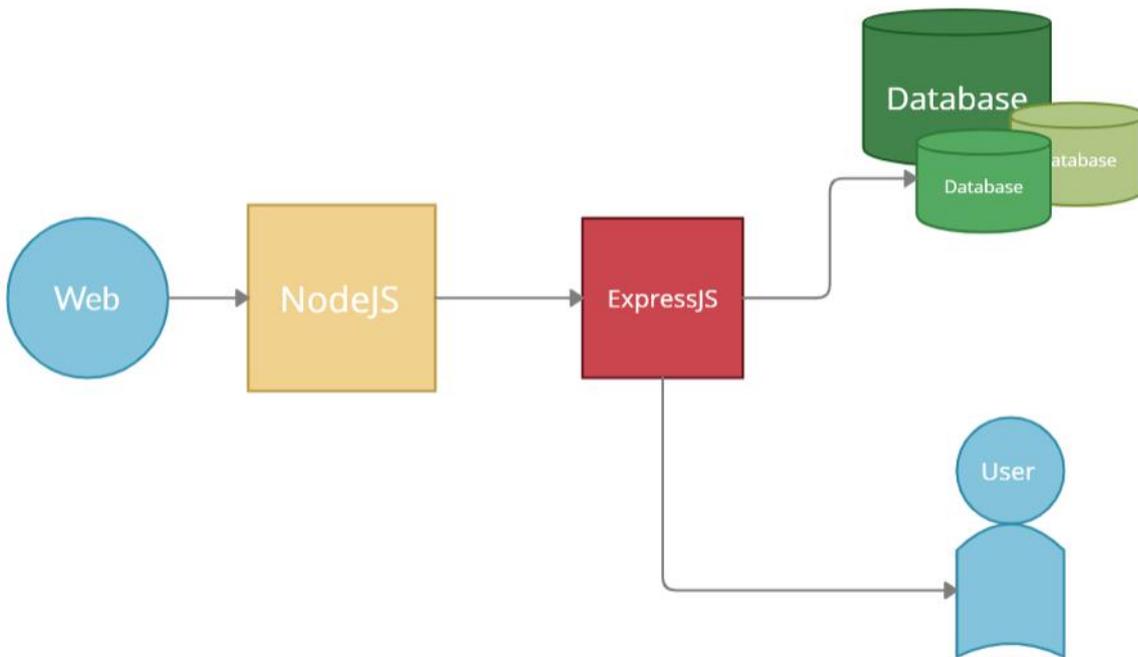


Fig. 3 Working of backend of website

4). Booking Form

Looking for taxi?

Make your booking

Our taxis commit to make your trips unique by best answering your needs.

Your name

Email address

Passengers

Pick up address

Drop off address

Select date

Select Time

Book Now

Fig. 4 Taxi Reservation form section

5). Travel Fare Section

All taxi fares

Initial charge:	Rs. 100
Additional Kilometre:	Rs. 10
Per 2 minutes in stopped traffic:	Rs. 20
One hour of waiting:	Rs. 250

Order Taxi Now

Fig. 5 fare list section

6). SignIn and SignUp Form

Login

Welcome back!

Enter your username and password here.

Username

Password

Login

[Forgot password?](#)

Create your account here!

Please enter your details here.

Username

Email

Password

Confirm Password

Create

[Already have an account?](#)

Fig. 6 Sign in and Sign up form section

V. BACKGROUND AND RESULTS

In 1974, American airlines first used an online booking system, which was not very easy and user friendly. Technology grew day by day and a modern reservation system were developed. In the current time, online booking, or reservation system has enhanced the operations of different sectors of a nation's economy. Travel Vogue being a web-based system make sure that the company would be able to transform most of the processes from offline to online and all that in one place, error-free and easy to use. This system will be developed using an agile methodology for research and design purposes. The programming language used is JavaScript as it supports most of the modern features and has server-side processing capabilities. The framework used are NodeJS as it is single Threaded and will handle the operations as the database grows more and more.

1). Advantages

- Online travel sites are popular with customers who like to compare accommodation costs and the services offered by individual providers.
- It saves time and money. We can go by our own, but it takes a lot of patience.
- Your trip is totally organised.
- It is easy to check out the reviews of customers. The experience of previous customers.
- Travel Portal can be classified in some major types of portal like Flight Booking, Holiday Packages, Car Booking, Taxi/Bus Booking, and lots more.
- Easy Processing and Cancellation. Booking online one can cancel their tickets anytime there will also be amount refunding.

2). Disadvantages

- Not all online booking systems are created equal. Every online travel booking is not same. Some maybe good at holiday packages and others maybe at cheapest flight fares.
- See how long they have been booking because some online travel agencies lack the experience.
- Live Help, when you book online, you usually cannot ask a live person questions about hotel rooms, flight routes, visa requirements or anything else you're concerned about. You may not be able to confirm special requests at the time of your online reservation.
- Sometimes not as expected as online, much difference while you book online and look in real.
- Some false reviews may damage the reputations of the company. As the technology is evolving rather quickly, guests can write online reviews of their experiences. This could be a reason for guests not to book a hotel, as of their bad reviews.

3). Limitations

The first limitation of this study was that we did not compare the different operation scopes of travel agents—wholesalers and retailers have different optimal strategies. Future research directions for researchers can also be suggested from our study. First, only travel goods were examined in this study, and hence future studies could examine other product categories. Second, since the AHP has been widely verified to be an effective technique for studying relative weights among product attributes in a variety of applications, future studies could examine the fundamental factors underlying Internet commerce using the AHP technique and procedures adopted in this study.

VI. CONCLUSION

Online booking and bookings are now commonplace for travellers. Existing businesses now make extensive use of e-commerce to achieve a variety of business objectives, and for this reason, a high-quality and efficient website is essential for a business to strengthen its customer relationships and improve business performance. Travel websites have been extensively studied in Information Systems and Tourism, but there are few subjects that cover the issues of information system and the concept of decision-making for visitors. The analysis revealed significant differences in performance between the types of websites, and the available online travel agencies performed better than other types of travel websites. The purpose of this paper is to understand the effects of website attraction in the context of tourism. This study considers website attraction to be a very important part of a tourism. Tourism website especially from a customer perspective because the customer will continue to use, they use the Internet to search for information, business transactions, and relationship building. In terms of travel and tourism, in-depth and customer-focused content seems to be particularly relevant for e-commerce acceptance. The findings reveal that websites need to be improved in certain areas, most importantly namely Security and Response. The study also discusses the implications for tourism organizations that develop websites that create a realistic image and attract tourists from all over the world. In addition to this, websites should include features that support decision-making at various stages of development that will improve website performance. Lastly, the interest in the website was found to positively influence the purpose of the visit of the visitor's website.

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