



TMS-TOURISM MANAGEMENT SYSTEM

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Abstract

For everyone, visiting new places is a delightful experience. The hardest part is choosing where to go and what places to see. Everyone wants to see the most well-liked places in the quickest length of time, that is practical. This seems like a laborious process, so we typically contract it out to a travel agency.

The demand for a system to support tourism sectors was critical given the rise in popularity of weekend getaways and holidays in general. The goal of this project is to create a user-friendly website that can assist in guiding the user to match his ideal location within his allocated budget.

Keywords: Package management, travel, tourism management, and destination packages

1.Introduction

The project uses website development to assist with the following capabilities. The administration control to allow the admin or administrators to appropriately manage the internal operations of the website. What we want to focus on next is customer management. This improves customer service by making the website easier to use, which benefits the business as a whole by drawing in more customers and building strong, long-lasting relationships with current ones. Making the website easier to use and administer should also involve simple data administration and analysis. Expanding its reach by making it easy for any client to book their ideal trip. Reducing paper usage.

2.Process Adopted

SDLC is a procedure used by software organizations for their projects. It comprises a thorough plan on how to create, update, swap out, modify, and improve particular software. A methodology for raising the caliber of software and the entire development process is defined by the life cycle. An SDLC process consists of the steps listed below:

- Organizing
- Determining
- Creating
- Testing
- Implementing

3.The proposed system has the following benefits

- it provides accurate information
- it minimizes human labor
- it provides up-to-date information
- it creates a friendly environment by sending warning messages
- Details about the traveler can be given
- Notification of booking confirmation

3.1.The following modules comprise the project's implementation

- ❖ **Admin**
- ❖ **User**

3.2.Modules

Module Administration

This module offers administrator-related functionality

- The administrator can receive packages from travelers and package management.
- The user can be managed. The administrator oversees all data and has the ability to add, remove, amend, and see information about locations, trips, routes, reservations, and other related topics.
- In addition, this part is primarily separated into the following modules, each of which has a range of functions that an authorized user is able to execute

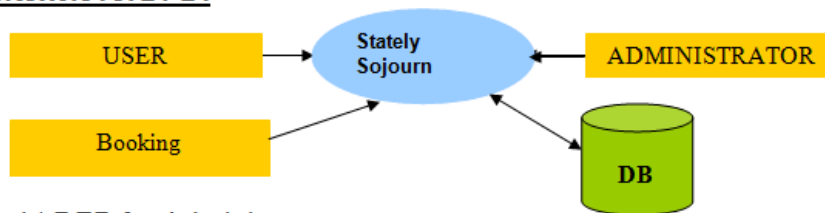
- Admin Dashboard
- Admin Login
- Assemble the bundle
- User management 5. Booking management
- Create a New Admin (Register)
- Including users
- Handle problems
- Handle Inquiry

3.3.Module Users

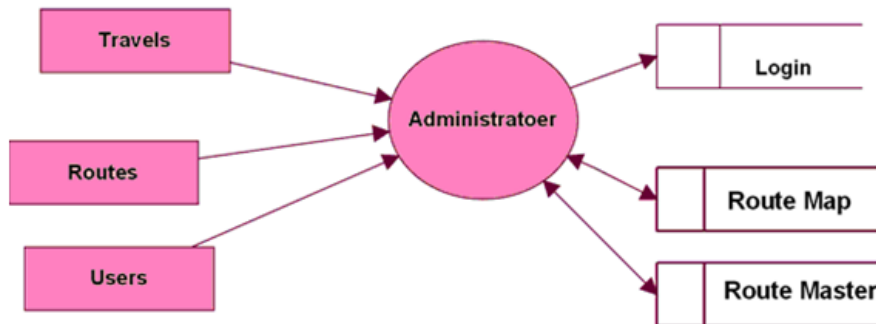
- The user may keep track of all tour packages and booking information with the aid of this module.
- In addition, this section is mostly broken down into four modules:
 - Signup as a user
 - User log-in
 - Travel Bundles
 - Contact Information

3.4 System Design

Context level DFD:



Level 1 DFD for Administrator:



4. Normalization and Dependencies

Tour User

Two functional dependencies are present. $\{UserID, Password\}$, $\{UserID \rightarrow Name\}$ Both depend on the UserID in order to work effectively. 3NF is the table's format. [?, ?, ?, ?]

Convenience

The functional dependencies are $\{AccID, Name\}$, $\{AccID \rightarrow Type\}$, $\{AccID \rightarrow Location\}$, $\{AccID \rightarrow MinCost\}$, $\{AccID \rightarrow MaxCost\}$, $\{AccID \rightarrow Offer\}$, and $\{AccID \rightarrow WebsiteAndContact\}$ are the functional dependencies. Complete functional dependency is present. The table is, therefore, at 3NF.

Destination

$\{PlaceID \rightarrow Name\}$, $\{PlaceID \rightarrow Description\}$, $\{PlaceID \rightarrow AccID\}$, $\{PlaceID \rightarrow WeatherID, EventID, ShoppingID, TransID, AlbumID, ResID, EmergencyID\}$ are the functional dependencies. The table is in 3NF since every attribute depends on the primary key and does not have a transitive dependency.

Climate

$\{WeatherID \rightarrow MinTemp\}$, $\{WeatherID \rightarrow MaxTemp\}$, and $\{WeatherID \rightarrow WebLink\}$ are the functional requirements. Just the primary key determines the properties. The table is in 3NF as a result.

Occurs

$\{EventID \rightarrow EventType\}$, $\{EventID \rightarrow StartDate\}$, $\{EventID \rightarrow EndDate\}$, and $\{EventID \rightarrow Name\}$ are the functional dependencies. Dependency that is fully functional exists. The table is in 3NF as a result.

Purchasing

The functional dependencies are $\{ShoppingID \rightarrow Category\}$, $\{ShoppingID \rightarrow Name\}$, and $\{ShoppingID \rightarrow Location\}$ are the functional dependencies. In 3NF dependencies is the table

5.Speed optimization

As with many scripting languages, PHP scripts are normally kept as human-readable source code, even on the production website.Servers. In this scenario, the PHP engine will compile PHP scripts at runtime, lengthening their execution time.PHP scripts are able to be compiled before runtime using PHP compilers, as with other programming languages such as C(the language PHP and its extensions are written in it). Code optimizers aim to reduce the computational complexity of the Compiled the code by reducing its size and making other changes that can reduce the execution time with the overall goal of Improving performance.

PHP

The most popular delimiters are, which are open and closing delimiters respectively. There are further delimiters available. PHP code can be started with short tags like `<? Or <?=`, which are used to echo back a string or variable, and end with `?>`. These tags are frequently used. However, because they can be turned off in the PHP setup, they are not as portable as ASP-style tags (`<%`, `<%=`, and `%>`). Therefore, it is not recommended to utilize short tags or ASP-style tags. These delimiters are meant to distinguish PHP code from non-PHP code, such as

HTML

A dollar sign precedes variables, and it is not necessary to identify the type in advance. Variable names are case-sensitive, not as function and class names are. Heredoc strings and double-quoted (") strings both let you embed the value of a variable inside the string. PHP handles newlines like whitespace, just like in a free-form language (except from inside string quotes), and semicolons are used to end statements. Three forms of comment syntax exist in PHP: While `//` and `#` are used for inline comments, `/* */` is used for block comments. PHP offers various functions for text output, including the echo command (e.g. to a web browser).

6.END RESULTS AND TALK



Figure 1: Home page

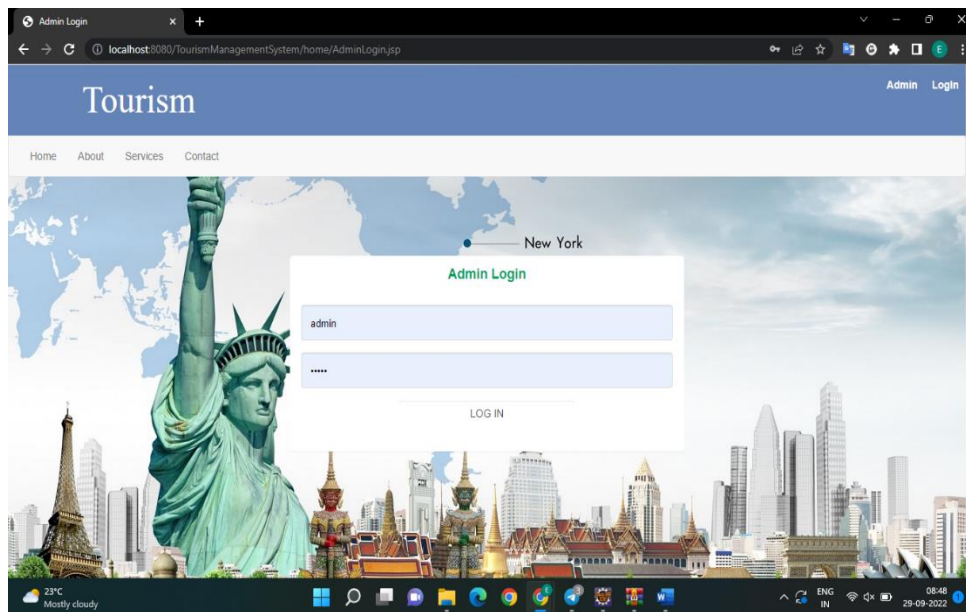


Figure 2: Admin Log in

7. Conclusion

Like all industries, tourism is presently acknowledged as a worldwide industry that is expanding quickly. The core of tourism is having access to reliable and pertinent information. In this instance, the In an effort to close the gap, a planned tourism management system project notes that tourists perceive as relevant. Therefore, this project's goal comprises the design and Establishment of a platform to help visitors have access to travel to different

Sites visited by tourists. The project also aided in disseminating information about cutting-edge technologies. Utilized in creating web-enabled applications and cutting-edge client-server technology Demand going forward. It is important to note that there is still work to be done on this project. Improvement, with the hope that it gets stronger and more improved; covering All of the tourist destinations. All the user has to do on an updated system is log in to the program. And may quickly make a reservation by finding the routes, prices, accommodations, adventure sports, and transportation. Please finish the reservation procedure to ensure a smooth transaction. Regarding the tourism component, Information for tourists is now more easily accessible because of the internet and web technology. Destinations, lodging, transit, dining, shopping, festivals, and additional attractions, Enhancing the travel experience as a whole.

8. APPENDIX: Appendix A: Short Forms

- PHP is a hypertext preprocessor;
- HTML stands for Hyper Text Markup Language;
- CSS stands for Cascading Style Sheets;
- API stands for Application Programmable Interface;
- R&D stands for Research and Development;
- IT stands for Information Technology;
- RAM stands for Random Access Memory;
- UI stands for User Interface;
- HR stands for Human Resource

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