

# DIGITAL GUIDE ASSISTANT

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**Abstract**—The Project “Digital Guide Assistant” is designed by Frontend as PHP and Backend as MY SQL. This Project is about the tourist guide may expose tourists to fraud because they know that they don’t know anything. This project is based on website. This website helps to detect the fraud and it can help the tourist in any country. This website will show the places in every country that can be added by Admin. It shows the correct time of closing and ending for the tourists. It will show the correct price for entering. It shows the details of each thing there so can read or listen to a voice in the language. The users can collect all the details of the statue in the place that users are in. The users can post the photos and it can be uploaded in the Gallery.

**Keywords**—Digital Guide Assistant, Gallery, PHP, MySQL.

## I. INTRODUCTION

The project entitled “Digital Guide Assistant” is developed using PHP as front end and MYSQL as back end. The purpose of developing web application Digital Guide Assistant System is to provide information to tourists who want to visit various locations and to know distance between specified places etc., Digital Guide Assistant System which gives all the required facilities to their customers when they are ready to plan booking for any tour. By using this portal the user can book any travel packages, they can reserve their tickets for any travel, they can book and Paid Amount and also it provides help to the users. By this system the Customer or tourist can make a request to system on his wishing one. And the system also provides that how much charge for the serviced Package in bus may be as per day charges. Digital Guide Assistant Project Contains Administrator and Customer Modules Used. Administrator Customer Modules Following parts used such that photos. Digital Guide Assistant view the packages of the tourist places and which hotel are there in that particular location and what are the facilities are there in that hotel. In

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this generation all the companies having web sites for their companies’ advertisement to their growth likewise the tourist also should have a web site to their growth and popularity.

1. The tourists will feel comfortable using this website.
2. No one can steal them.
3. They can get all the information about the place that the users want to visit.
4. This website will support any language that the users want to understand everything.

## II. SYSTEM STUDY

### 1) Existing System:

In general, Admin can post the photos and it can be viewed by Users. At the same time the user can only view the photos of it. This purpose, Admin can advertise in Newspaper, TV, Pamphlets. Etc...

#### **Drawbacks:**

- Manual Work.
- Security of information is low.
- Time Consumption.
- High Manpower

### 2) Proposed System:

This system can be updated by Admin and also can post the photos in the Gallery. It reduces the word to advertise the Travelling guide. Travelling experience also updated in this website.

#### **Advantages of Proposed System:**

- Large volumes of data can be stored with ease.
- Maintenance of file is flexible
- Stored data and procedures can be easily edited.
- Reports can be generated with ease.

## III. SYSTEM DEVELOPMENT

### 1) Software Description:

#### A. PHP:

PHP stands for Hypertext Preprocessor. PHP scripts run inside Apache server or Microsoft IIS. PHP and Apache server are free. PHP code is very

easy. PHP is the most used server side scripting language. PHP files contain PHP scripts and HTML. PHP files have the extension “php”, “php3”, “php4”, or “phtml”.

### **B. Using PHP**

Generate dynamic web pages. PHP can display different content to different user or display different content at different times of the day Process the contents of HTML forms. We can use an PHP to retrieve and respond to the data entered into an HTML form. Can create database-driven web pages. An PHP can insert new data or retrieve existing data from a database such a MySQL.

### **C. Back End MySQL Server**

The MySQL server provides a database management system with querying and connectivity capabilities, as well as the ability to have excellent data structure and integration with many different platforms. It can handle large databases reliably and quickly in high-demanding production environments. The MySQL server also provides rich function such as its connectivity, speed, and security that make it suitable for accessing databases. The MySQL server works in a client and server system. This system includes a multiple-threaded SQL server that supports varied backend, different client programs and libraries, administrative tools, and many application programming interfaces (API)s.

## **2) Modules Description:**

### **A. Admin Login:**

Admin module contains all the information about the authenticated Person. Administrator without his username and password can't enter into the login if he is only the authenticated Person then he can enter to his login. Authentication is the process of verifying the identity of a Person by obtaining some sort of credentials and using those credentials to verify the Users identity. If the credentials are valid, the authorization process starts. Authentication process always proceeds to Authorization process.

### **B. View Tourist Place Details**

Customer View the Toursit place Details like add\_place, Add location, add Description of this place and Add photos.

User can registered in this website for the first time. Admin can view the details of every users that is login in this website. The Customer details store into **View user Details** the database.

### **C. Customer Registration / Login**

Customer who want to buy Products should register with website by providing personal details. After the registration, he will be issued with valid user id and password by the Administrator. The Customer can log into the system with this user Id and Password. After successfully login into the system, the user moves to the instruction web page where he will get instruction about the process. It makes easy to integrate email and password authentication into your web app. The credentials are not stored in your database. Customer Registration Screen Contains Various fields available for Username, Password, Emailid, Address, Gender, ContactNumber, userId, password, Pincode, martial, city,etc. They are kept in a secure database behind the Authentication servers, and stored securely. This separates sensitive user credentials from your application data, and lets you focus on the user interface and experience for your app.

## **IV. TESTING METHODS**

System testing is the state of implementation, which is aimed at ensuring that the system works accurately and efficiently as expect before live operation, commences. It certifies that the whole set of programs hang together System testing requires a test plan, that consists of several key activities and steps for run program, string, system and user acceptance testing. The implementation of newly design package is important in adopting a successful new system Testing is important stage in software development. System test is implementation should be a confirmation that all is correct and an opportunity to show the users that the

system works as they expected. It accounts the largest percentage of technical effort in software development process. Testing phase is the development phase that validates the code against the functional specifications. Testing is a vital to the achievement of the system goals. The objective of testing is to discover errors. To fulfill this objective a series of test steps such as the unit test, integration test, validation and system test were planned and executed.

### **1) Unit testing**

Here each program is tested individually so any error applying unit is debugged. The sample data are given for the unit testing. The unit test results are recorded for further references. During unit testing the functions of the program unit validation and the limitations are tested. Unit testing is testing changes made in an existing or new program. This test is carried out during the programming and each module is found to be working satisfactorily. For example in the registration form after entering all the fields we click the submit button. When the submit button is clicked, all the data in form are validated. Only after validation entries will be added to the database. Unit testing comprises the set of tests performed by an individual prior to integration of the unit into a large system.

### **2) Validation Testing**

Software validation is achieved through a series of tests that demonstrate conformity with requirements. Thus the proposed system under consideration has been tested by validation & found to be working satisfactorily.

### **3) Output Testing**

Asking the user about the format required by them tests the output generated by the system under consideration. It can be done in two ways, one on screen and other on printer format. The output format on the screen is found to be correct as the format designed in system test.

### **4) System Testing**

In the system testing the whole system is tested for interface between each module and program units are tested and recorded. This testing is done with sample data. The securities, communication between interfaces are tested. System testing is actually a series of different tests whose primary purpose is to fully exercise the computer-based system although each test has a different purpose all work to verify that all system elements properly integrated and perform allocated function.

## **V. CONCLUSION**

The “Digital Guide Assistant” has been developed to satisfy all proposed requirements. The process is maintained more simple and easy. The system is highly scalable and user friendly. Almost all the system objectives have been met. The system has been tested under all criteria. The system minimizes the problem arising in the existing manual system and it eliminates the human errors to zero level. The design of the database is flexible ensuring that the system can be implemented. It is implemented and gone through all validation. All phases of development were conceived using methodologies. User with little training can get the required report. The software executes successfully by fulfilling the objectives of the project. Further extensions to this system can be made required with minor modifications.

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