

E-VISITOR TRACKING AND BLOCKING SYSTEM

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Abstract— E-Visitor Tracking and Blocking system creation system allows you to print a Gate Pass for the visitor. You can create a gate pass either from a prior appointment or you can also create a new gate pass. (Depending upon how the workflow is set.). While creating the gate pass, all the missing data from the master database is asked for entry. So if an employee enters inadequate information about a visitor, the security person can complete the same when he meets the visitor. The gate pass can be printed in various formats and user can even customize the gate pass for his needs. This project is developed to maintain the visitor's information. Such as visitor name, what is the purpose he has visited to the company, suppose the visitor has come to see any one working employee the corresponding employee name, the total time taken by visitors and employee information, Suppose the visitor may be business person the visitor name then the purpose of visiting and his corresponding company name information are maintained in the database. System can calculate the total time visitor has spent in that place. At the end of the day, system generates the whole report of all visitors. The application of this system is clear. If some fraudulent case found, then system can help to find the fraud people. You can get the track of all the people who have visited the premise during particular time and from that information investigation agency can reach the doubtful people.

Keywords—E-Visitor Tracking, Blocking System, Gate Pass, Employee Information.

I. INTRODUCTION

E Visitor Tracking and Blocking system creation system allows you to print a Gate Pass for the visitor. You can create a gate pass either from a prior appointment or you can also create a new gate pass. (Depending upon how the workflow is set.). While creating the gate pass, all the missing data from the master database is asked for entry. So if an employee enters inadequate information about a visitor, the security person can complete the same when he meets the visitor. The gate pass can be

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Now, we discuss some other useful functions of visitor management system. It can generate various reports. Visitor frequency report means how much time a visitor has visited the premise in particular day or time period. Visitors Handled Persons Report, daily visitor report and other as well. You can schedule the visits for particular group of people. It can be used as time attendance system as well. Visitor black listing, it means you can deny the appointment for black listed visitors. When system finds black listed visitor, it immediately alarms to the administrator.

II. SYSTEM DEVELOPMENT

1) Existing System:

In the existing system the billing alone is maintained in manual. The employer details, the attendance details, the visitor's details, the visiting hours details, appointment details are maintained

manually. The study of the existing system revealed that the system has several drawbacks.

Disadvantages:

- The existing system has no security measure against logging in and no checks are made for authorized users.
- The end user has to remember a lot of command to make efficient use of the system.
- The system does not have any descriptive reports and thus did not help management in decision-making.
- Enormous amount of time is consumed

2)Proposed System:

The proposed system is been developed to maintain the Stitching show room information by the dealers to maintain The employer details, the attendance details, the visitor’s details, the visiting hours details, appointment details etc.,

Advantages:

- The user can enter only if the username and the password are correct.
- The process of planning will be easy since every process is computerized.
- Time Saving.
- The details of the all saved information can be viewed.
- The data can be accessed easily whenever needed and so the manual work can be reduced.

III.PROPOSED WORK

1) Module Description:

A. Admin Login

This module is used to maintain all the visitor details, attendance details, visitor details, visiting details, appointment details

B. Employee details

This module is used for visitor details for participation in action. It includes date, employee id, employee name, address, phone number, designation and salary etc.

C. Attendance details

In this module maintain the attendance details. It module includes date, employee id, employee name, in time and out time etc.

D. Visitor’s details

In this module maintain the visitor’s details which like visitor id, visitor name, purpose, concern person, phone number and address etc. They visitor personal details are stored in this module.

E. Visiting details

In this module maintain the visiting details. This module is used to placing visiting details for particular visitor done by certain period. It includes visitor id, visitor name, time, concern person and purpose of in this module.

F. Appointment details

This is house module from where all procedures take place. Only through this module maintain the appointment date, appointment id, visitor id, visitor name, request date, request name and appointment time etc.

1) Software Description

A. Front End: Visual Basic.Net

Visual Basic.Net has revolutionized windows programming windows programming and with an object based, event driven approach to software designs. Visual basic.Net applications act as a front end to the database. Visual basic.Net application provides the interface between the user and the database. Sophisticated features that make the language truly object oriented and interfaces it with the latest in the database technology..NET provides a new, object-oriented API as a set of classes that will be accessible from any programming language. This book describes this framework of classes and provides a reference to what is available and how you can use this framework to write Windows applications in the brave new world of .NET.

B. Back End: MySQL

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.

To get started, you must do the following:

1. Download MySQL Version 5.0.27.
2. Build and load the MySQL server.
3. Initialize the MySQL database.
4. Start the MySQL server.

IV. TESTING METHODOLOGIES

System testing is the state of implementation, which is aimed at ensuring that the system works accurately and efficiently as expected before the live operation, commences. It certifies that the whole set of programs hangs together System testing requires a test plan, that consists of several key activities and steps for running the program, string, system, and user acceptance testing. The implementation of a new design package is important in adopting a successful new system.

Testing is an important stage in software development. The system test's 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 for the largest percentage of technical effort in the software development process.

The testing phase is the development phase that validates the code against the functional specifications. Testing is vital to the achievement of the system's 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

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 submit button is clicked, all the data in the form are validated. Only after validation entries will be added to the database.

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

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

4) Testing Results:

All the tests should be traceable to customer requirements the focus of testing will shift progressively from programs Exhaustive testing is not possible To be more effective testing should be which has a probability of finding errors.

The following are the attributes of a good test

1. A good test has a probability of finding a errors
2. A good test should be “best of breeds”
3. A good test to be neither simple nor too complex.

5) System Implementation:

System Implementation is the stage in the project where the theoretical design is turned into a working system. The most crucial stage is achieving a successful new system and giving a user confidence in that the new system will work efficiently and effectively in the implementation stage.

The stage consist of

1. Testing a developed program with sample data

2. Detection and correction of error
3. Creating whether the system meets a user requirements
4. Making necessary changes as desired by users.
5. Training user personal

The implementation phase is less creative than system design. A system design may be dropped at any time prior to implementation, although it becomes more difficult when it goes to the design phase.

The final report of the implementation phase includes procedural flowcharts, record layouts, and a workable plan for implementing the candidate system design into a operational design. PHP and MY SQL has offer very efficient yet a simple implementation technique for development of the project.

V. CONCLUSION

The “E-Visitor Tracking and Blocking System” has been developed to satisfy all proposed requirements. 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 software executes successfully by fulfilling the objectives of the project. Further extensions to this system can be made required with minor modifications. Some special features of this project are;

1. It reduces the manpower to some extent.
2. It reduces the time cost.
3. It avoids redundancy of data and also system supports for taking the floppy backups of front end for future enhancements

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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