Missing Certificate Tracking System

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Abstract- *This project is entitled as "Web based missing certificate tracking system". This project is to be developed using PHP as front -end tool and MYSQL as back end. File verification process in other words document verification is very important nowadays for a lot of places. It allows to validate the info provided by their student are true and correct without any discrepancies. The student will register and have a dashboard Which will show student personal details in this application. Once registered student will have access the different files are upload and download options.One student is unfortunately missing the important filed in the anywhere and any place. Public user is getting the files in anywhere and searches the missing student details (such as certificate number and name) in this website. Once search the certificate number it will display the student personal details.*

Keywords- Certificate tracking system, Student certificate, User view certificate, Admin login etc.

I. INTRODUCTION

File verification process in other words document verification is very important nowadays for a lot of places. It actually allows to validate the info provided by their users are true and correct without any discrepancies. The user will register and have a dashboard which will show users personal details in this application. Once registered user will have access the different files are uploading and download options. One user is unfortunately missing the important files in the anywhere and any place. Another user is getting the files in anywhere and searches the missing user details (such as certificate number and name) in this application. Once search the certificate number it will display the user personal details.The system is very useful for user communication. As in the file verification, you are responsible for upload files. You can set the general and administrator password to avoid unauthorized access to your files. Every time you start the upload files, the program shuffles all the files and selects them randomly from the database, which reduces the chances of memorizing the file. To manage all the transactions proposed herewith a web application solution which will take care all the necessary user missing files transactions. On implementation of this application it will help them in many ways.

II. OBJECTIVES

It allows to validate the info provided by their student are true and correct without any discrepancies. The student will register and have a dashboard which will show student personal details in this application. Once registered student will have access the different files are upload and download options. One student is unfortunately missing the important files in the anywhere and any place.

III. SYSTEM REQUIRMENTS

SOFTWARE AND HARDWARE REQUIRMENTS
SOFTWARE REQUIRMENTS:

OS   :windows 10.
DATABASE: MYSQL.
FRONT END:PHP
BACK END: MYSQL

HARDWARE REQUIRMENT

PROCESSOR: Any processor above 500 MHZ.
RAM   :   4 GB.
HARD DISK:2 GB free space.
INPUT DEVICE: Keyboard, Mouse.
OUTPUT DEVICE: Monitor.
SYSTEM TYPE:32-bit or 64-bit operating system

IV. EXISTING SYSTEM

This project is developed for a maintain the file verification details. Presently they maintain all process of manually, to keep track of user files, some users are not providing the any information about the user missing files. Fake information is spoiling the future. To solve this problem now they are looking for better alternative solution.

V. PROPOSED SYSTEM

To manage all the transactions proposed herewith a web application solution which will take care all the necessary user missing files transactions. On implementation of this application, it will help them in many ways.

VI. FRONT END - BACK END

6.1PHP

PHP is a powerful server-side scripting language for creating dynamic and interactive websites. PHP widely used; free and efficient alternative to competitors such as Microsoft's ASP.PHP is perfectly suited for Web development and can be embedded directly into the HTML code. The PHP syntax is similar to pearl and C. PHP is open source that it is readily available and absolutely free. Stability, flexibility and speed are chief qualities that attract to choose PHP.PHP have multiple extensions and is extremely scalable.

Features of PHP

PHP runs on different platforms (Windows, Linux, UNIX, etc.)

- PHP is compatible with almost all servers used today.
- PHP is free to download from the official PHP resource: www.php.net.

6.2MYSQL

MYSQL is an open-source relational database management system (RDBMS) is developed, distributed and supported by MYSQL AB. MYSQL is a popular choice of database for use in web applications MYSQL can be scaled by deploying it on more powerful hardware, such as a multiprocessor server with gigabytes of memory. MYSQL is easy to use, yet extremely powerful, secure, and scalable. And because of its small size and speed, it is the ideal database solution for Web sites.

Features of MYSQL

Client/server Architecture: MYSQL is a client/server system. There is a database server (MYSQL) and arbitrarily many clients (application programs), which communicate with the server. The clients can run on the same computer as the server or on another computer.

SQL Compatibility: As before said SQL is a standardized language for querying and updating data and for the administration of a database.

Stored procedures: Stored procedures (SPS for short) are generally used to simplify steps such as inserting or deleting a data record.
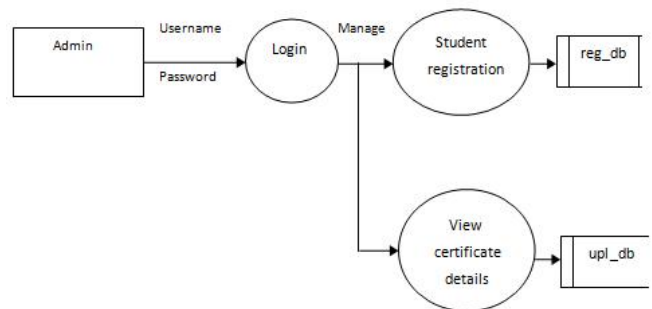
VII. DATA FLOW DIAGRAM

Data flow diagram is a graphical representation that depicts information flow and the transformsthat are applied as data move from input to output. A data flow diagram may be used to represent a system or software at any level of abstraction. DFD can be partitioned in to levels that represent increasing information flowand functional details.
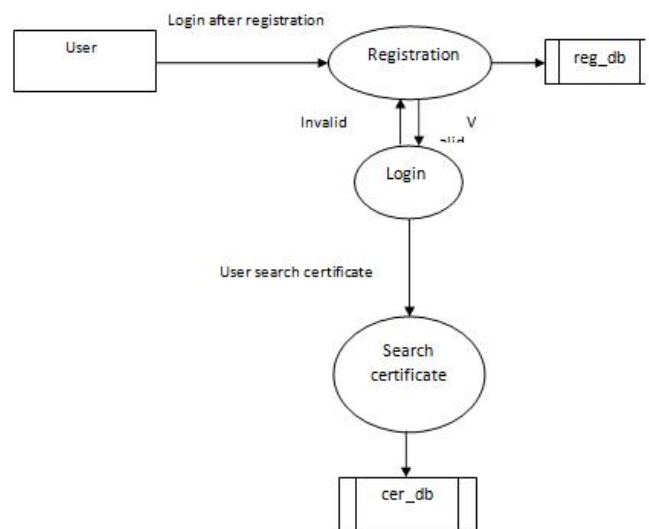
LEVEL – 0

LEVEL-1

LEVEL-2

VIII. SYSTEM TESTING

Testing is a series of different tests that whose primary purpose is to fully exercise the computer based system. Although each test has a different purpose, all work should verify that all system element have been properly integrated and performed allocated function. Testing is the process of checking whether the developed system works according to the actual requirement and objectives of the system.

The philosophy behind testing is to find the errors. A good test is one that has a high probability of finding an undiscovered error. A successful test is one that uncovers the undiscovered error. Test cases are devised with this purpose in mind. A test case is a set of data that the system will process as an input. However the data are created with the intent of determining whether the system will process them correctly without any errors to produce the required output.

LEVELS FOR BLACK-BOX AND WHITE-BOX

8.1 Unit testing:

Unit testing includes white-box testing, which verifies that the code is functioning as intended before it is integrated with previously tested code. In unit testing, white box testing identifies any early faults and helps fix any later ones that appear after the code has been integrated with the rest of the program, preventing any kind of mistakes in the future.

8.2 Integration testing:

The interactions between each interface are tested using white box testing at this stage. By using white box testing for any interactions of interfaces that the programmer is familiar with, integration testing checks whether the behaviour in an open environment is accurate. Unit level testing ensured that each piece of code was tested and functioning properly in an isolated environment.

IX. SYSTEM IMPLEMENTATION AND MAINTAINING

9.1 SYSTEM IMPLEMENTATION

Implementation is the stage in the project where the theoretical design is turned into a working system and is giving confidence on the new system for the users that it will work efficiently and effectively. It involves careful planning, investigation of the current system and its constraints on implementation, design of methods to achieve the change over, an evaluation of change over methods. Apart from planning major task of preparing the implementation are education and training of users. The implementation process begins with preparing a plan for the implementation of the system.

9.2 SYSTEM MAINTENANCE

According to this plan, the activities are to be carried out, discussions made regarding the equipment and resources and the additional equipment has to be acquired to implement the new system. In network backup system no additional resources are needed. Implementation is the final and the most important phase. The most critical stage in achieving a successful new system is giving the users confidence that the new system will work and be effective. The system can be implemented only after thorough testing is done and if it is found to be working according to the specification.This method also offers the greatest security since the old system can take over if the errors are found or inability to handle certain type of transactions while using the new system. As the part of system testing we execute the program with the intent of finding errors and missing operations and also a complete verification to determine whether the objectives are met and the user requirements are satisfied.

X. CONCLUSION

The main objective of the project is to bring a full-fledged computerized organization, and to enable the transaction details to maintain records, which makes of the employees easier. Thus, the proposed system has been developed with good amount of flexibility without compromising on the response time.

Computerization of the entire system will enhance more accuracy and reduces major part of clerical works. Fast, clear and legible reports can be generated without any ambiguity. Integrated database design and ease of maintenance is a major advantage of the system. User friendliness is a unique feather of the system. Hence by developing a system that is user-friendly in nature, many users are able to work on the system with little of computer knowledge and training.

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