A Web Based Strategy on Enhancement of Student Fee Management System Using Web Development Technologies

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Abstract*: The Fee Management System is a desktop system based on maintaining student records and their details. It is an integrated system that manages the gathering of student fees, issuing fee receipts, maintaining and generating due fee reports leading to untroubled, convenient and paperless management. It provides a comprehensive manner of managing the finance department of institutes with none work. It is time-saving and additional economical. It conjointly prevents frauds in transactions. This management system needs less force. The main advantage of this management system is secured information of accounts. It provides a simple interface to support of student fee knowledge. it would be utilized by instructive universities or faculties to stay up the fee records of scholars effectively. College Fee Management could be a sample fee management system. In this project for login authentication OTP or SMS is employed. on every occasion once a student pays a fee, Associate in Nursing SMS can sent to varsity management and principal. Admin has full management of the system, he/she will read student fees reports and manage fees from the system. The project conjointly includes a Fees report of scholars in Report module, which displays Fees info. He/she will add, edit, delete, read Branch. Whereas adding Branch, he/she needs to offer Branch Name, Address, and Detail. Likewise, whereas adding students, he/she needs to offer Personal info like Name, Contact, branch, DOB, Fees info like Total Fees, Advance Fee, Remarks and facultative info like regarding student and Email id. to require Fees for a student, the user needs to offer Paid quantity, date and Remarks. Once paying fees of the coed, that individual name is far from Fees module. Another feature is that the users will modify the positive identification by getting into recent positive identification, New positive identification and make sure positive identification from the Settings. a straightforward dashboard is provided in admin panel for the simple management of the system. All the vital options that square measure needed is ready for this project. style of this project is pretty and responsive so user won't notice it tough to grasp, use and navigate. To run this project, we want to put in virtual server i.e., XAMPP on your laptop (for Windows). Fees sought by educational institutes from persons responsible for costs associated with the attendance of a student come in many forms and often are reduced by grants, by financial aid awards, and by other discounts. [1]*

Keywords:

Database, PHP, SQL, Fee Management System, html, CSS, JAVASCRIPT,XAMPP, bootstrap.

1. Introduction:

Fee Management System suggests that Managing the dues or fee reports in a very system manner. Fee management is that the vital feature of an academic establishment because it maintains a whole track of fee paid by the scholars [Fig.1]. Earlier, fee assortment and management was essential and error prone because it needed manual power and was conjointly it's terribly time intense. The system can establish the scholar, his current standing, his fees history and on the idea of the Fee History records it'll calculate the collectible quantity mechanically.Thus the choice creating at clerical finish is eliminated. Organization needn't to fret concerning recent records too. Any reasonably recent record that is inserted within the system may be generated through reports at any time in future. Establishment will get the fees quantity on-line via Payment entryway. Through the out there reports Administration will get an even bigger image of the organization and decide the financial gain. during this approach, the choice creating ought to reform can become additional quicker. All the vital options that are needed is ready for this project. style of this project is pretty and responsive so user won't realize it tough to grasp, use and navigate. The invention relates generally to information System transactions over a communication network and, more particularly, to Systems and methods for transacting fees associated with intellectual property filings and/or

events [3]. To run this project, we want to put in virtual server i.e. XAMPP on your laptop (for Windows). The full type of XAMPP stands for Cross-platform, Apache, Maria DB(MYSQL), PHP and Perl. it's one in all the best and lightweight native servers that's accustomed check your web site domestically. it's Associate in Nursing open supply platform. This includes X-OS as a result of it works all told major in operation systems like Windows, Linux, Mac etc. Fees Management may be a terribly tedious job until date and any organization ought to take tons of care whereas taking fees, as maintaining monetary records is extremely vital task in any institute. a correct accounting is additionally required at the tip of each yr. Fee management is that the vital feature of an academic establishment because it maintains a whole track of fee paid by the scholars. Earlier,fee assortment and management were essential and error prone because it needed manual power and was conjointly it's terribly time intense.

Fig.1: Fee Management System.

1.1Technologies Used:

Technologies used in this paper are HTML, CSS, JAVASCRIPT, BOOTSTRAPT, MYSQL, PHP. Some of them are given below,

1.1.1HTML:

HTML stands for "Hyper Text Markup Language". It is used for making a webpage. Web pages' square measure sometimes viewed in a very application program. they'll embody writing, links, pictures, and even sound and video. Hypertext markup language is employed to mark and describe every of those types of content that the application program will show them properly[Fig.2].

Fig.2:HTML.

1.1.2CSS:

CSS stands for "Cascading style Sheets". It describes however hypertext markup language components square measure to be displayed on screen, paper, or in different media[Fig.3]. It saves tons of labor. It will management the layout of multiple web content all right away.

Fig.3:CSS

1.1.3PHP:

PHP stands for "Hypertext Preprocessor"[Fig.4]. It is a scripting language that helps folks create web content additional interactive by permitting them to try to additional intelligent, advanced things. PHP code is run on the net server.

Fig.4:PHP

1.1.4JAVA SCRIPT:

Java Script (JS) may be a scripting languages, primarily used on the net. It's wont to enhance hypertext markup language pages and is usually found embedded in hypertext markup language code. JavaScript is associate degree understood language[Fig.5]. Thus, it doesn't ought to be compiled. JavaScript renders web content in associate degree interactive and dynamic fashion.

Fig.5:JavaScript.

1.1.5MYSQL:

My SQL may be a freely accessible open supply computer database Management System (RDBMS) that uses Structured command language (SQL)[Fig.6]. SQL is that the most well liked language for adding, accessing and managing content in a very info. it's most noted for its fast

process, verified irresponsibleness, ease and suppleness of use.

Fig.6:MYSQL

1.1.6BOOTSTRAP:

Bootstrap may be a framework to assist you style websites quicker and easier[Fig.7]. It includes hypertext markup language and CSS based mostly style templates for typography, forms, buttons, tables, navigation, modals, image carousels, etc. ...

Fig.7: Bootstrap

2.Existing System:

In the existing system, most of the records area unit maintained on paper[Fig.8]. It becomes terribly inconvenient to switch the info. In the existing system, here could be a risk that a similar data completely different in several in numerous registers could have different values which means the entries of the same information don't match. This inconsistent state doesn't offer the concrete data that poses a retardant within the case information associated with explicit search record. It is not properly capable to manage the scholar records with their fee details at one place.

Drawbacks of the Existing System:

1. Colleges have restricted time per every day.

2. Time overwhelming method.

3. Less security as it is maintained on paper.

4. We cannot produce manually for all file inside the time.

5. More Man Power.

6. Needs Manual Calculations.

Fig.8: Existing System

3.Proposed System:

In this new fee management system, the distinction between previous fee system and new fee system is shown [Fig.9]. The new system will overcome the previous fee system by adding some further options love it is completely computerized and information may be simply maintained in database for a protracted time. The present invention consists of an improved system and method for creating a fee agreement with a client in an improved, efficient manner by providing the client or customer with an online account, a variety of fee arrangement templates [2]. The system needs bit of your time to come up with reports required to manage the fees of the scholars. It conjointly generates records like i.e. Fees paid, dues, and Decrease time required to access and deliver student records [5] To make the system more secure.

Fig.9: Proposed System

3.1.Advantages of proposed system:

1. Easy: Feel the distinction of implementing automatic code into your system in few simple steps. It makes the users feel snug with easy and simple handling of fee process in an exceedingly paperless setting.

2. Account Management: create student profiles with demographic info, contact details and parent info. Track and post fees for admission, hostel, library, and different

activities in student accounts.

3.<u>Security</u>: Fee automation system is very secure with simple account management and role-based access management in an exceedingly multi-user setting.

4. <u>Fast Payments</u>: Make fee remittances quicker from web site and mobile devices victimization secure payment gateways to supply students and oldsters with hassle-free process and automatic generation of fee receipts.

5. <u>Customizable &versatile</u>: Fee management code permits you to customize fee structure supported your distinctive wants with the power to line discounts, add or edit fees, and collect penalties with ease.
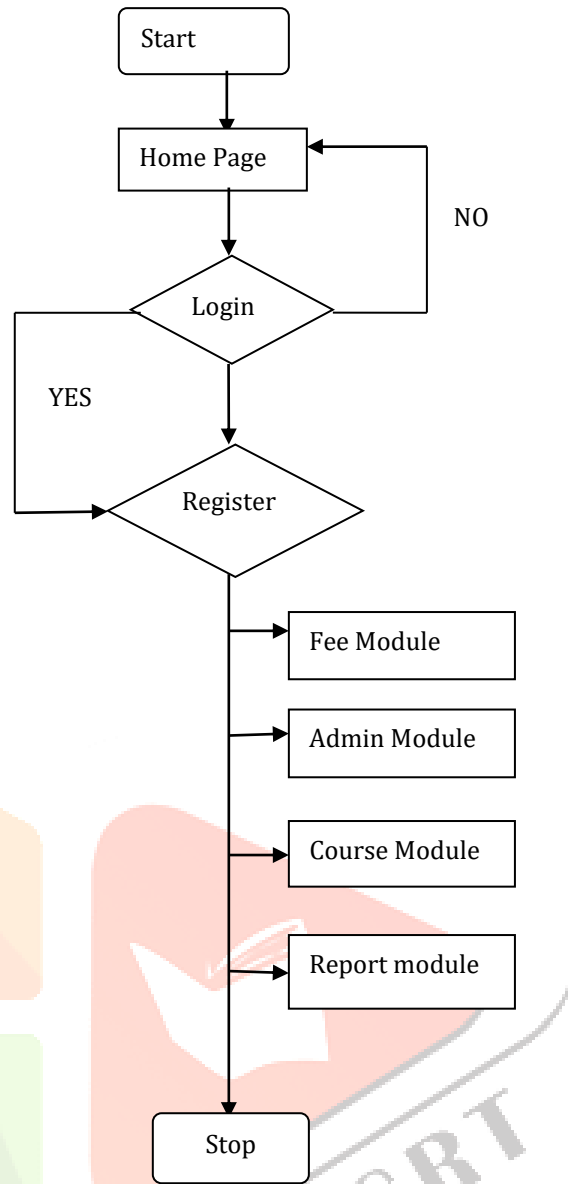
6. <u>Transparency</u>: Improves the money management and permits transparency on the payments created and therefore the system can track suspicious and dishonorable transactions.

7. <u>Revenue Management</u>: Increase revenue for the establishment by receiving payments from alumni, donors and different contributors.

8. <u>Knowledge Backup with Synchronization</u>: The cloud-based fee management system provides quick and automatic backup and online/offline synchronization of information for access to tutorial data.

9. <u>Reports</u>: The advanced reportage system and analytics can generate custom fee payment reports and track outstanding and unpaid student details.

10. <u>Notifications</u>: Keep the scholars and oldsters sophisticated on fee payments with period of time notifications, messages and reminders via emails, SMS alerts and push notifications from mobile devices.

SYSTEM ARCHIECTURE:

5. Future scope:

The system titled "Fee MANAGEMENT SYSTEM" is extremely versatile and might be modified at any purpose of your time. This method is user friendly, owing to user interface options. This method simplifies the upkeep of enormous quantity of knowledge. The speed of accessing the data regarding the member's is extremely helpful. It minimizes the time and efforts of the user expeditiously. It Benefits the organization a lot such as reducing the paperwork, savings in operating cost. We can give more advance software for fee management system including more facilities.

6. conclusion:

The main theme for developing this system is to provide all the functionality related to student. It tracks all the details regarding student dues. From this system we will conclude that it provides higher fee management system than the previous system. This method is extremely quick and knowledge will be simply entered. A lot of your time is additionally saved. it's terribly straightforward to know and this method will be used anyplace supported demand. This System is introduced to reduce the errors as much as possible while entering the data. It also provides an alert

message while entering invalid data. Thus, it proves user-friendly fee management system. This system will work on the network. Students get their desired information without any delay. This system is only for the universities and colleges[4]. The information which is stored in the database can be accessed any time by using this system there will be no wastage of resources in colleges and universities.

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[5] 5. International Journal of Advanced Research in Computer and Communication Engineering Vol. 2, Issue 6, June 2013 Copyright to IJARCCE www.ijarcce.com 2342 Web Based Student Information Management System S.R. Bharamagoudar1, Geeta R.B.2, S.G. Totad3 Assistant Professor, Dept. of Electronics &Communication, Basaveshwar. College, Bagalkot, Karnataka1 Associate professor, Department of IT, GMR Institute of Technology, RAJAM, Andhra Pradesh2 Professor, Department of Computer Science & Engineering, GMR Institute of Technology, RAJAM, Andhra Pradesh.

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