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# Student Fee Management System

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## Abstract

*The objective of our project is to develop a GUI (Graphical User Interface) based software i.e. platform independent & user friendly and which can be fit into any college system. It will remove data redundancy and will be fast in operation.*

*The main problems with the present college fee management software's are:*

- Platform dependency.
- Data redundancy problems.
- Slow in execution.
- Do not cover all the modules that should be present in the college fee management software.
- Threat to security levels.
- Improper beginner tutorials.

*Our software will overcome all these problems faced by any college management software. Though college management software is actually custom based, as it is developed for meeting the requirements of a particular college, but we have created the project as a global one which can satisfy the needs of all college systems.*

**Keywords:** java, oracle, HTML, JavaScript, Browser, management system, student management system, etc.

## 1. Introduction

This student fee management system project developed using java programming language. The main aim of this project is to develop a GUI (Graphical User Interface) based software i.e. platform independent & user friendly and which can be fit into any college system. It will remove data redundancy and will be fast in operation.

### 1.1 Main Modules of the System

1. Administrator
2. Fee Payments
3. Mails Related To Due payments
4. Registration and Authentication
5. Reports

### 1.2 Pre-Requisites

**1) Java:** CMS requires Java JRE 1.5 or higher. Since it is written in Java, it can run on any platform that supports the Java environment 1.5 or higher. The compiled files are contained in Java Archives (JAR's) and have to be defined in the path environment variable.

**2) HTML:** HTML is a hypertext markup language which is, in reality, a spinal cord of any website. Any website can't be structured without the knowledge of HTML. If we make our web page only with the help of HTML, then we can't add many of the effective features in a web page, for making a web page more

effective we use various platforms such as static and dynamics methods. And here we are using this language to make our web pages more effective as well as interactive for users to understand. And to make our web pages dynamic we are using JavaScript and XML.

**3) CSS:** CSS in PHP Stands for (Cascading Style Sheet). Cascading style sheets are used to format the layout of Web pages. They can be used to define way of writing or style, size of various tables, and other aspects of Web pages that previously could only be defined in a static page's HTML. The main work of CSS is to separate content of a web document (written in any markup language) that is written using Cascading Style Sheets. There are lots of benefits that one can extract through this like improved content accessibility, better flexibility and moreover and hence gives a level of control over various presentation characteristics of the document. It also helps in reducing the problems and helps in saving access time. It gives the option of selecting various style schemes and rules according to the necessity.

**4) Java script:** JavaScript is the most famous scripting languages of all time. JavaScript is a Scripting Language of World Wide Web. The main usage of JavaScript is to add various Web function, validations, detections, a creation of cookies and so on. JavaScript is the best scripting languages and that is why it is adopted by almost all browsers. JavaScript is considered the most powerful scripting languages in present use. It is used for the client -side web development. JavaScript is used to make pages more interactive. It is a light-weight programming language and it is embedded directly into the markup syntax. JavaScript, as the name defines, was affected by many languages, especially Java.

## 2. Scope for Development of This Paper:

Our software will overcome all these problems faced by any college management software. Though college management software is actually custom based, as it is developed for meeting the requirements of a particular college, but we have created the project as a global one which can satisfy the needs of all college systems.

## 3. Existing System

No online web page where the accounts of the students are created during their admission.

- Student can't pay the fee directly through online payment system.
- The user should not provide information which is registered or given by the institution during his/her admission.
- There is no predefined classification of fee categories which give a brief view about payment.
- This existing system is not providing secure registration and profile management of all the users properly.
- The system doesn't provide any facility to maintain any feedback option for users.
- Having all information in the form of paper records it is not in secure and time taken process to get data immediately.
- Student Fee Payments data searching process is not there. It is not user friendly.

- Existing system is total manual process. It is time taken process.

#### **4. Proposed System**

The development of this new system contains the following activities, which try to automate the entire process keeping in the view of database integration approach.

- To create an online web page where the accounts of the students are created during their admission through this account.
  - Students of an institution can pay the fee directly through online payment system and can pay the fee either by transferring the amount from their personal account or they can use their credit card or by their bank account details.
  - Through this one can pay the fee at any place at any time through payers can save their time. There is no need to address the college for payment which can also be done by mobile phone.
  - The user should provide information which is registered or given by the institution during his/her admission. Every student is provided with a confidential account and password in which all the details regarding his fee
- due are displayed and updated as per the fee payment.
  - They can receive alerts about the payment and online receipt forms on payment of the fee.
  - There is a predefined classification of fee categories which give a brief view about payment.
  - They can pay even extra fees such as ppt fees, trainings etc. Different groups and subgroups regarding the fields in which the fee is being processed is been provided in this web page or student account.
  - This mainly includes the fields such as college fee, JNTU fee, library fee and other training programs that are included and the fee details of those programs are mentioned in their accounts.
  - This is very secured transactions through which parents can avoid long time distance.
  - They are provided with information related about the payment dates, amount of money paid etc., it also gives information about fee dues and the respective last dates. The alerts are sent to their mobiles every month so that they can be reminded.



- Authentication is provided for this application only registered users can access. Report generation features is provided using to generate different kind of reports.

- Login
- Logout
- Registration
- Change Passwords
- Forget Password
- View Profiles
- Update Profiles

## 5. Functional Requirements of the Project

### 1. Administrator:

#### Branches:

##### Department:

- Add New Department Details
- View Department Details

##### Course:

- Add New Course Details
- View Course Details

#### Branches:

- Add New Branch Details
- View Branch Details

### 2. Fee Payments:

- Academic Fee
- Training & Placement Fee
- Exam Fee
- Laboratory Fee
- Library Fee
- Condonation Fee

### 3. Mails Related to Due payments.

#### Mails:

- Sent Mails
- View Mails
- Delete Mails

### 4. Account Creation (or) Registration

#### Authentication:

#### Search:

#### Students:

- View Branch Wise Students

#### Security:

## 5. Reports

\* Generating Different Format Fee Reports to be download (.xls)

## 6. Conclusion

Our software will overcome all these problems faced by any college management software. Though college management software is actually custom based, as it is developed for meeting the requirements of a particular college, but we have created the project as a global one which can satisfy the needs of all college systems.

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