



DEPARTMENT OF Information And Technology

Project Name

AUTOMATED STUDENT PAYMENT SYSTEM

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Introduction

The reason for going to school is to gain knowledge and for a better survival tomorrow wherein becoming what he or she wants in life. The desire for knowledge is the natural feeling of mankind and every human being whose mind is not degenerated will do all that is required of him or her to acquire knowledge.

It is on the basic that knowledge Oriented organization(school) has been set up as a ground for individuals to go and learn in responds to paying for the knowledge they are acquiring for better survival tomorrow.

According to oxford dictionary of current (6th edition), fee which is defined as a given amount of money that one pays for a professional Services, or is a monetary payment charged for a services rendered. Academic fee is defined as a fixed interval payment made by a student or students to the school he or she attends. From the definition, one can outline that academic fee payment supposed to be in a regular interval that is timely, although sometimes may not be that ready by the student due to some financial lapse.

The issues of financial lapses poses lot of problem to academic management because of some pressing needs. However student fails to pay his or her academic fee, the academic

management seems to lack funds(money) in the purse which at this render the management ineffective. As a result of the management being ineffective financially, student also face the barriers by not being allowed to write their examination and not being allowed to attend lectures which is one of academic frustration and setback.

Using of computer-based system for payment of academic fee brought about this research in other to improve and also help solve the problem of delays in the payment of academic fee, the issue of student not making payment at all or the fee being misused/ mismanaged or entangled with criminal attack either on the side of student at the course of payment or the side of the bursary department.

The purpose of this research involves creating a software or a web-based application that is capable of processing the payment of student academic fee. To selected institution(Lincoln college of science management and technology) bank account and automatically ledging the details of students indicating student name, department, level, date and amount of money paid, academic season, bank name, phone number etc.

Statement of problem

The problem encountered with the method in the payment of academic fees is viewed from two prospective

- The student academic management problem.
- The student problem

The student academic management problem.

The Student Academic Management Problem which involves the processing of students information concerning the payment of academic fee with mistakes and this may result in the miscalculation of total payment made by a student, grand total amount of money paid from each class/ department or across all the student who paid as a whole.

The academic management not allocating the school account to bank that is close or within the geographical environment the school is located.

The Student Problem

The student have to do with the embarrassment from the bursary department such as being driven out of the examination hall or lecture room for not showing proper evidence of academic payment receipt after payment is made.

Aim And Objective Of Problem

The aim of the project is to determine the relationship between the manual and automated academic payment system.

The objective of this project is to create an automated web-based system for the payment of academic fees either by student or his or her parent directly and to determine the conversion of manual system of academic payment to computerized method to ease the stress of student go to queuing in banks to make such payment and decrease the stress information processing manually during payment.

Analysis stage

Personal study: With the personal research made student finds it difficult going to banks to make payment of academic fees which may result to the student spending part of the fee hoping they are going to replace it back before the due time for payment. The student payment system which will be created will help eradicate this mindset in student because the system will be made available for student for easy access and possible payment of fees within a short time interval.

Risk analysis: while going through the stages involved in software development life cycle(sdlc), I planed on how the flow of the project will pull through in other to meet the required aim, I noted the issue of electricity and how it might speed during development and drastic measure have been put in place to avoid such issue.

Methodology Research

While I was making research on the impact an automated student payment system would bring to the society, abstract the emergence of student payment system is going to create a new financial needs that in many cases cannot be effectively fulfilled by the manual payment system. All academic bodies should partake in various type of electronic payment system. Therefore, I conducted a research on the need and variety of automated payment system in most especially Lincoln college of science management and technology. In the use of automated payment system in the extent of making financial transaction to specific academic bodies. The sample of this research include(Lincoln college of science management and technology) observation was made and questions was asked to students within and outside the institution.

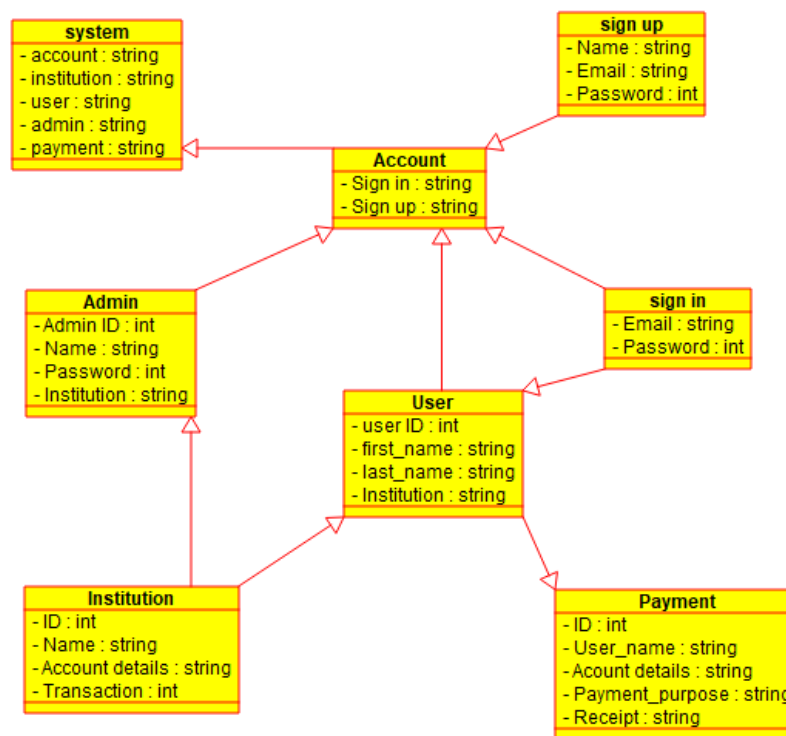
This is samples was thrown statistically to analysis and obtain opinions from students, based on the result from the data collected important conclusion was achieved. The result showed that institution should have great interest in electronic payment system to improve the easy payment of academical fees. Electronic payment are limited only to student who have a good ability to handle the internet.

According to the result I made a number of recommendation that institution should pay more attention to the use of new and modern electronic payment method to improve the payment of academic fees and also the educational sector.

The use of SDLC(software development life cycle) in the process to achieve the progress and deployment of this automated payment system. steps are taken and plans

Tools which are going to be used to achieve the progress in the development of this web based system.

ERD: to show the relationship between entities in the system.



IDE: the use of visual studio code for the implementation or development process.

FRONTEND: use of HTML, CSS, VANILLA JS or REACT for the development of the frontend of the system.

BACKEND: use of NODE JS, SQL OR MONGO DB for the implementation of backend.

