**PROJECT PROPOSAL**

**KUT JOK KUOL**

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**MEDICAL STORE BILLING MANAGEMENT STSTEM PROJECT**

**Chapter 1**

**Introduction.**

**Why is project being undertaken?**

Medical Store Billing Management System project is designed to focus on the medical store to help them in their billing management with taking care of other details like stock and accounting.

As today in the country most of the medical stores are manual only which means they maintain their record of the person buying drugs and the quantity of it in the paper files, registers and binders.

This practice is very reliable and prone to mistakes and omissions. The medical store billing system help the owner of the store in keeping the track of its customer and the drugs he/she is buying from store which further help it in the analysis of getting the stock for the next term.

Usually when customer buy the medicines from the store the salesperson has to record his/her details in register then person also has to write the medicines details in separate record which is hectic and time consuming.

**Objectives**

* Interface for customer to buy the medicines
* A Payment details should be handled
* Store and maintain the detail information about medicines
* System to check the stock and keep a record
* Easy updating and adding of stocks
* Record of seller from whom stock is bought

**Scope**

This application software has three types of users A. accountant B. drug store keeper officials C.

Administrator.

The accountant can login serve patient then view their profile, and arrange payment of drugs. Any drug that is sold out is then deleted from drugs available so as for easy access on available drugs.

They administrators can login, check the remaining drugs, the total amount of money then make arrangement on how to order the drugs.

The doctors can login, check if the certain drug is available so to direct the patient.

Any Approved policy by administrator and then these policies will be updated by the admin. The administrators approves the policies generated by company officials and only the administrator has the right to alter the system.

**Justification**

Web based solutions can be access anywhere in the hospital long as the software is install in those machine. They patient are able to be help since the system will be so fast. The system will be active all day and night, there is no timeline. The system will incorporate verification of drugs available in the chemist and drug store

The system will work well for administrators since it keep on updating on the number of drugs and types available.

**RESEARCE LIMITATION**

Being an information technology (IT) business student it cost one to travel to various destination to get the relevant information about medical since it require a bit of knowledge in medical field. Some of the respondents were not be willing to responds to questions asked, hence bringing difficult to research.

**CHAPTER 2**

**LITERATURE REVIEW**

**Introduction**

Literature review is a text written by someone to consider the critical points of current knowledge including findings as well as theoretical and methodological contributions to a particular topic. Main goals are to situate the current study within the body of literature and to provide context for the particular reader.

**System design**

**Conceptual design.**

Conceptual design was the very first phase of design in which drawings or solid models were the dominant tools and products. The conceptual design phase provided a description of the proposed system in terms of a set of integrated ideas and concepts about what it was to do, behave and look like, that was understandable by the users in the manner intended.

Admin

Doctor’s database

Store keeper

Drugs database

Hospital

1. **Users**

There will be two main types of users; (1) the admin whom the focus of the system is to manage company office details such as adding a new office, and managing the hospital database, (2) the management whose work is check if the drugs are available or not. They decided too who to be added into the system.

1. Database management system: this will comprise the following modules;
2. **Admin login module**: this module will handle the overall hospital database.
3. **Doctors database;** this module allow the doctor login and check if certain medicine is available.
4. **Storekeeper**; this allow the storekeeper allocate the medicine and where the store and available number.
5. **The hospital**; this allow the general management to inspect the drugs available and how much money have been made.

**Definition of system**

A group of devices or artificial objects or an organization forming a network especially for distributing something or serving a common purpose by; Merriam Webster

Means all material computer systems, servers, network equipment and other computer hardware owned or used by the Company Entities and that are used in the business of the Company Entities as currently conducted. By lewinsider.com

**CHAPTER 3**

**System methodology**

METHODOLOGY; the term methodology means the technique and procedure adopted by conducting a research study. It outlines how data will be collected and the tools for collecting data, system methodology, the proposed system input and output, users and systems development tools.

FACTS FINDING TECHNIQUES

It shows how data will be collected from the users of the system. The data collection techniques to be used include: Objectives It will use this technique to collect information about how the current system operates and its processes. This involves systematically watching and recording the behavior and characteristics of operations and processes. It gives more detailed and context related information and can adapt to event as they occur however the method may be time consuming.

**Software development Methodology**

There are different types of software development methodologies from this I used:-

i.) Object oriented system analysis and design methodology: Is a software development

Methodology of building self-contained modules or objects. This methodology has the

Reduced costs and time

consumption

Speed up the operation

Increase security

Avoiding data loss

following futures increased reusability, increased extensibility, proved quality, and reduced

maintenance burden and managed complexity.

Software development model: we use is iterative model because in iterative model you can iterate back if errors are occur in one phase and we can return back to other phase to fix errors at any phase of the project life cycle.

**Questionnaires**

I will prepare a number of questionnaires whereby I will submit them to doctors, management and regular patient to get a deeper insight of how the system is going to work. I prefer this method because it gives more information from various individuals and offers greater flexibility as the opportunity to restructure questions. This technique is preferred because it will provide a closer contact between the users and the developer hence dispelling the probability of the completed system being rejected by user(s). This technique also: Permits clarification has high response rate than interviews. Helps get full range and depth of information.

**Secondary**

Data Collection This data I will collect from existing sources e.g. books, internet, journals and magazines that was collected by other researchers and analysis was done. It is from that data that I will then compare with the primary data and make a decision and conclusion.

**Feasibility study**

Feasibility study is used to investigate the proposed system in multiple dimensions. It is used to indicate whether the system is feasible or not.

i. Technical feasibility

Technical feasibility is the measure of practicality of the specific technical support and the availability of technical resources and expertise to use the system. The proposed system can be easily maintained and repaired without requiring high Experts or technical supports; because the system will be installed in adaptable technologies and the employees of the organization have some knowledge about technology by providing training and help how to use the system and cause the system easily. So the system is technically feasible.

ii. Operational feasibility

The system performs all operations to achieve the specified objective, User friendly and with the environment and the system will perform all operation that the organization runs. And it will not have any difficulty or procedures to perform the operation of the system so the project is operational feasible.

**Data and System Analysis**

Data collected from the field was edited and coded for completeness after which it was summarized and analyzed using descriptive statistics such as percentages. Presentations of the findings was done using tables, pie charts and bar graphs which facilitated clear interpretation of results and drawing of conclusions.

**System Requirements**

**1 Hardware Requirements**

The hardware requirement that we use for developing this project are.

i. Personal Computer

ii.Intel(R) core™i3, CPU 2.16GHz and more than this is possible.

iii. RAM: above 4GB

iv. Disks (CD, DVD) drivers.

v. 500GB Hard-disk.

vi. Printer: required for printing the documents of the project.

3.6.2 Software Requirements

The software requirements include:

I. 64 bit Windows 10 pro Operating system

ii. Firefox and chrome browsers

iii. Microsoft office Word 2013:-for documenting

Iv. Xampp Server: - To test the system will be running.

**Budget and resources.**

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| Items | Cost per unit  (ksh) | Quantity | | Total  (ksh) |
| Preparation of research |  |  | |  |
| Print of the final proposal |  |  | |  |
| Photocopying of final proposal |  |  | |  |
| Binding of final proposal |  |  | |  |
| Internet Services |  |  | |  |
| Notebooks |  |  | |  |
| Pens and Pencils |  |  | |  |
| Foolscap |  |  | |  |
| Flash Disk |  |  | |  |
| CDS |  |  | |  |
| Travelling expenses |  |  | |  |
| **Dell** |  |  | |  |
| Miscellaneous |  |  |  | |
| **Grand Totals** |  |  |  | |
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