GOLDEN CHAIN LUXURY JEWELLERY MANAGEMENT INFORMATION SYSTEM

PRESENTED BY: ABDIAZIZ SID ALI HASSAN

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A PROJECT SUBMITTED IN PARTIAL FULFILMENT OF REQUIREMENT FOR THE AWARDED OF DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY TO THE KENYA NATIONAL EXAMINATION COUNCIL.

**DECLARATION**

STUDENT

I certify that this is a true report of my original work except for citations and quotations which have been duly acknowledged. I also certify that this project has never been submitted to by any person to any institution and has been presented to the Kenya National Examination Council for the first time.

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SUPERVISOR

I the undersigned do hereby certify that this is a true report for the project undertaken by the above named student under my supervision and that it has been submitted to KNEC with my approval.

Name of Supervisor: ……………………………………………………….

Signature……………………………………………………. Date…………………………………..

**DEDICATION**

Specially dedicated to my parents, and family at large for support when in need and for the confident environment to accomplish every byte of my work.

I also extend my appreciation to my lecture(s) for the guidance and follow ups they made towards this project.

Lastly, of all the living people I know, I would like to dedicate this project to all my colleagues for their cooperation and hand-in-hand assistance for the completion of this project.

ACKNOWLEGEMENT

I would like to express my special thanks of gratitude to my lecturers as well as the institute for giving me the golden opportunity to do this wonderful project, which also helped me in doing a lot of Research as I came to know about so many new things I am really thankful to them. Secondly I would also like to thank my parents and friends who helped me a lot in finalizing this project within the limited time frame.

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**TITLE : GOLDEN CHAIN JELERY LUXURY MANAGEMENT INFORMATION SYSTEM COURSE NAME: DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY NAME : ABDIAZIZ SID ALI HASSAN**

**INDEX NO. : N/A**

**PROJECT ABSTRACT**

The purpose of this project was to address Golden Chain Luxury Jewelry stores, with particular focus on the enhancement of traditional jewelry system. We chart people's perceptions on Golden Chain Luxury Jewelry through focus groups and survey user studies. We then present and evaluate a necklace design including a prototype augmented reality application. Our salient findings show that the technical concept and visual design should not conflict with the physical form and aesthetic of the jewelry, and that the personal nature and emotional bonding with the jewelry should be reflected also in the digital extensions. Our work progresses the understanding of people's attitudes and preferences towards Golden Chain Luxury Jewelry and extends the body of research on augmented wearable’s, which is underexplored but has a great potential for the future of the store.

# CHAPTER ONE

## Background

Jewel trading is a very crucial brand in the business world. Apart from the day-to-day tasks, many other aspects need to be prioritized to ensure smooth running of the business. This is therefore facilitated by a functional inventory system that will help curb efficiency, accuracy and effective policies and decision making process.

## Problem Statement

Below is a list that best describes the knowledge gap hindering Golden Chain Luxury Jewelry Stores form achieving their preferred objectives and meeting customer demand:

* + 1. Security – This aspect has always been a cornerstone of the e-commerce industry in general and Golden Chain Luxury Stores is not off the hook. Customers still have concerns about the security of their personal and payment information and make them hesitant about making a purchase. However integration of reliable payment gateways such as Mpesa, Debit cards, PayPal and issuing receipts when payment is done by cash will provide secure transactions. Such gateways possess a high degree of safe user experience.
    2. Data – E-commerce brands thrive on the analysis and interpretation of data to thrive decision making. Golden Chain L Stores has however been harnessing all this data through a robust analytics platform to drive increased ultimate sales. Hiring an expertise to manage data analytics is quite expensive therefore need of an inventory system to perform budget manipulation, analysis and prediction of sales and customer expectation.
    3. Stock Outs – Customers verify the availability, selects an item and makes payment. After a while they would get the call of apology that the item is actually unavailable. Such poor customer experience kills our customers‟ desire to do business with our company. The Inventory however opts to automate our inventory process, deal with different warehouses and update our stock in one click.
    4. Handling Fraud – Risks of Forgery poses a great threat. While we experience return of our jewel products, it’s possible that the original piece of gold or diamond jewel is

replaced with a fake one. There’s need to hire expert teams who can provide instant services to real customers and addressing the fraud.

(a). Gemologist – Authentic jewel products. On the other hand the expertise will help produce proof that the returned product is indeed the original item.

(b).Qualified Appraiser – Provide accurate evaluation jewel products.

(c). The proposed system will also provide documented evidence and certificates for all jewel items.

* + 1. Inventory Management – Scaling for any business require more cost, resources and experienced personnel. Therefore it becomes really tough to manage inventory for all channels. Since we have lots of unsold inventories which ultimately make no profit for the business, there is need to create a catalogues for all e-commerce channels proposing a centralized Jewel Inventory System.
    2. Trusting Relationship – Customers often buy whatever they want be it personal invitations. The inventory system will keep tracking user activities to learn their preferences which in return will help build trust and achieve smooth relationship. By integrating Customer Relationship Management (CRM) this will provide “Track Your Order” services enhancing credibility to customer.

## Overview of the Existing System

The current system has been facing a lot of setbacks due to poor management, tracking of records and file storage. Information security being one of the major threats the organization faces on a day-to-day basis. There has been a manual system where files and records are stored and retrieved from trays [both in-tray and out-tray] and cabinets which leads to information loss, more costly to purchase cabinets and file storage. On the other hand, confidential files are at high risk of being mishandled by unauthorized users posing a threat to the organization.

The current system has also been facing computational errors arising from miscalculation or poor entry of data which is done by pen and paper. This has been seen as a major loss to the business as performing their sales transactions in the inventory.

Communication is one of the crucial parts of an organization; therefore effective communication is a very integral side of resource sharing. The existing system has been manual passing information from one channel to another hence slow or late delivery of information. There was also need to hire messengers which is expensive and more time consuming. On the other hand more paperwork was done towards the sharing of information.

A backup and storage strategy is also one of the factors hindering the business from reaching its desired specifications and objectives. Golden Chain Luxury Jewelry Stores uses manual files to store their day-to-day transactions and operations of the business. This strategy poses many threats including physical destruction of files such as fire, earthquakes….. Also it is tiresome to locate a certain file since it’s done by human labor.

## Objectives of the Proposed System

* + 1. The system will provide desired level of customers’ service that is by making product available when needed it.
    2. The system will keep track of slow moving items that are non-frequently sold.
    3. The system will provide database to the management where every information regarding the customer to be stored.
    4. The system will provide a way of reducing the losses by theft and wastage by providing high security data that is no sales without using the system.
    5. The system will ensure supply of raw material is constant for example when low the management will be alerted on the system notifications.

## Scope of the study

This research will concentrate on registration of new customers, suppliers and jewels in stock also to be able to provide transaction of purchases such as sales, Cash IN and Cash OUT. On the other hand there will be production of up-to-date reports including Sales report, Purchases, Cash IN, Cash OUT, Inventory and Cash flow. The research will also cover storage strategies on the database and providing security.

## Justification

Golden Chain Luxury Jewelry Software [GCLJS] is a system software built and designed to help curb and continuous ever-demanding cycle of customers‟ satisfaction and specifications. There being some challenges of the project, high level of expertise required is the most crucial besides timeliness and financial instabilities with regard to completing the project.

Project Scheduling and Cost

|  |  |  |
| --- | --- | --- |
| **SDLC STAGE** | **PERIOD** | **ACHEIVEMENT** |
| **Problem Definition** | 1 week [January] | The need of changing the system |
| **Information Gathering** | 3 weeks [January] | Data Collection and analyzing information about the existing system |
| **Requirement Specifications** | 1 week [January] | Determine both input, output, processes, and functional requirements of the proposed system |
| **System Design and Construction** | 3 Months  [February, March & April] | Designing the structural architecture [both logical and physical] and Construction of the user interactive interface [Coding] |
| **System Implementation** | 3 weeks [May] | Ensuring that the system is operational during the changeover from the existing system to the new proposed system |
| **System Testing** | 3 weeks [June] | Coming up with test data for the new system |
| **System Maintenance** | 2 weeks [June] | Adaptation of the new system using documentation. |

**Table 1: Shows SDLC cycle for the Golden Chain Luxury Jewelry System**

## Budget and Resources

|  |  |  |
| --- | --- | --- |
| **Category** | **Description** | **Cost** |
| **Laptop** | System Construction and coding | Ksh. 30,000 |
| **Microsoft Office Suite** | Application Software | Ksh 25,000 |
| **Internet Connectivity** | Browsing and Research | Ksh. 5,000 |
| **Resources [writing, printing…]** | Taking notes done through research | Ksh. 2,000 |
| **Research [transport, food]** | Information gathering | Ksh. 8,000 |
| **External Drive [HDD/USB]** | Storage and Back up of information | Ksh 5,000 |

**Table 2: Indicates the Cost Analysis for the whole project**

# CHAPTER TWO

2.1 LITERATURE REVIEW

After 1990s there was a major transformation in the commercial world. All the organizations across industry sectors have started using information technologies to maximize their productivity and profitability. Organizations started using technologies like mainframes, PCs, telecommunications and the internet along with the goods and services which they offered to the consumers. This process has become the backbone of evolution of information technology. There has been manifold increase in investments in information technology sector. Modulation and demodulation plays important role in terms of information, communication and resource sharing to the world today. Technology deals with activities that take place in and around production and distribution of goods and services. Due to new technology taking place there have been an ease of resource sharing and communication thus data the people that uses it.

21st century has been defined by application of and advancement in information technology. It has become an integral part of our daily life and has served as a big change agent in different aspect of business and society. It has proven game changer in resolving economic and social issues. Therefore advancement and application of information technology are ever changing. Due to the ever-demanding changes of the new technology Golden Chain Luxury Jewelry Stores opts to implement a new system that will help in the functionality and efficient effectiveness towards running of the business.

# CHAPTER THREE

## Methodologies

The team discussed on different frameworks which can be more efficient to come up with the structure, plan and control the process of developing the proposed information system.

The Waterfall method was agreed upon design of the system since it divides a project into sequential phases, and emphasizes on planning, time scheduling, budgets and implementation of the entire system.

Problem Definition

Requirement Specification

Information Gathering

Implementation

Design and Construction

Maintenance

Testing

**Figure 1: Waterfall Model - A development methodology for the proposed system.**

* + 1. Functions of Golden Chain Luxury Jewelry Management Information System
       1. Records the sale or purchase of inventory immediately through the use of computerized point-of-sale systems. Inventory reports are accessed online at any time, which makes it easier to manage inventory levels and the cash needed to purchase additional inventory.
       2. The inventory system provides a highly detailed view of changes in inventory with immediate reporting of the amount of inventory in stock, and accurately reflects the level of goods on hand.
       3. Purchases of goods are recorded as a debit to the inventory database.
       4. Effectively, the cost of goods sold includes such elements as direct labor and materials costs and direct factory overhead costs.
       5. Allows for immediate tracking of sales and inventory levels for individual items, which helps to prevent stock outs.
       6. The system periodically requires management to stop physically counting the inventory before posting any accounting entries. The inventory counts are performed frequently to prevent theft of assets, not to maintain inventory levels in the accounting system.
       7. The inventory system makes it much easier for a company to use the Economic Order Quantity (EOQ) to purchase inventory. EOQ is a formula managers use to decide when to purchase inventory, and EOQ considers the cost to hold inventory, as well as the firm‟s cost to order inventory.
       8. The system uses Last in, First Out (LIFO) methods to account for the cost of inventory held for sale, recording the newest units as those sold first.

# 4. CHAPTER FOUR

1. System Analysis and Requirement Modeling

## Feasibility Study

* + 1. Technical Feasibility

Was carried out to suggest suitable methods to develop, run and ways of implementing the new system. It also is to determine how the current technology is applicable to the new system moreover whether training is needed for employees before implementing the new system.

Findings

* Poor data entry to their database which is stored retrieved and accessed in manual files such as cabinet. The new proposed system will provide mechanical and technical capabilities for the organization to enter and provide storage of confidential data.
* Security of information is at high risks of malicious threat from competitors who aim to cripple the organization. The new system helps curb this factor by providing high-level security such as installation of CCTv cameras, implementation of passwords, and backup of information to prevent access by unauthorized users.
* Power supply is another factor hindering the business from achieving its objectives. With adequate supply of power, there will be no loss of information by abrupt black out or brown out of data. This will be done possible by implementing uninterruptable power supply [UPS] for power backup
* Servers will provide intranet to share resources within the organization, unlike the current system where resource sharing is tedious and more costly.
  + 1. Economic Feasibility

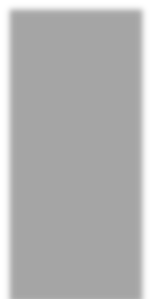
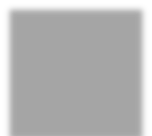
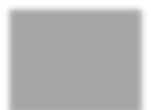
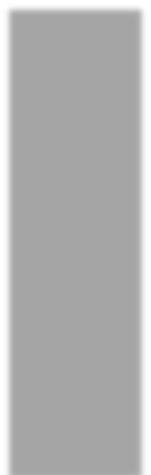
In order to develop the new proposed system, a research was done to determine whether the system will be effective and viable to their cost. The organization has been undergoing an expenditure on production, distribution and data processing of their day-to-day running of the business.

* + 1. Operational**/**Social Feasibility

This feasibility study was done to determine if the new system will be operational and user friendly to its target users. It also focused on the reaction of individuals both inside and outside the organization.

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Accepted** | **Rejected** | **Total** |
| **Immediate training before change over** | 72 | 20 | 92 |
| **No training to be done** | 16 | 45 | 61 |

**Table 3: Shows reaction of individuals within and around the organization.**



**CHART BASED ON INDIVIDUALS**

**REACTION**

80

70

60

50

40

30

Accepted

Rejected

20

10

0

Training before Change Over

No Training

|  |
| --- |
|  |
| 72 |
|  |
|  |
| 45 |
|  |
| 20  16 |
|  |

**Figure 2: Graphical Presentation of individual’s reaction.**

Conclusion

The organization decided that they will use workshop as the easiest method to train their staff so as to familiarize them with the evolution of the new system. On the other hand, there will be handbooks provided from the system specifications accompanied by the system documentations to provide guidelines for operation when the system starts running.

* + 1. Legal Feasibility

This is to ensure whether the system violates any law. The proposed system has to be insured by the county government or the data stored with the national government before use. The company will therefore be insured with license, permit and certificate that provides security of the software from copyright © and piracy by unauthorized persons. This will prove legitimacy and genuine of the software compiling to the legal Act of the business.

## Fact Finding Methods

* + 1. Questionnaire

This was the most suggested information gathering method by the development team. The aim was to gather opinions from people who respond to it. It was also advantageous since it could reach out to a great number of people geographically located from different areas.

Below is a sample of the questionnaire used to gather information;

**GOLDEN CHAIN LUXURY JEWELRY INVENTORY SYSTEM MANAGEMENT FORM**

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#### CLIENTS QUESTIONNAIRE

#### NOTE:

1. Forms should be completed in blocked letters
2. Use a single pen to fill the form
   1. How often do you buy jewelry (for yourself or as a gift)?

More than once a month Monthly

Once every 6 months Once a year

Rarely - only on special occasions Never

* 1. Are you more likely to buy jewelry for yourself or as gift?

For myself As a gift Both

* 1. How often do you wear jewelry?

Every day Weekends only

Only for special occasion Other (please specify)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4. Which of the following types of material/metal to do tend to buy? (please tick all that apply) Gold plated  Silver plated  Sterling silver | | | | | | | | | | | | | | |
|  |  | Rose gold | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | |
|  |  | Gold | | | | | | | | | | | | |
| 5. When you buy jewelry, what criteria do you normally look for? (please rank between 1- 6, 1 being the most important)  Most Important Not Important | | | | | | | | | | | | | | |
| High quality | | |  |  |  |  |  |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | | |
| What's in trend | | |  |  |  |  |  |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | | |
| Cost | | |  |  |  |  |  |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | | |
| Something different/quirky | | |  |  |  |  | |  |  |  |  |  |  |  |
|  |  |
|  | | | | | | | | | | | | | |
| Brand | | |  |  |  |  |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Reliability for a good customer service | | |  |  |  |  |  |  |  |  |  |  |  |
| 1. What do you find the biggest issue with jewelry purchases?   I don't get the full use out of it Not versatile enough  Bad quality - can rust/turn skin green Other (please specify)   1. What jewelry items/pieces do you generally buy or get bought for you? Please list in the box below | | | | | | | | | | | | | | |

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Advantages of the Questionnaire

* + 1. The questionnaire was relevant to reaching a large number of customers located at different demographics, who respond to it and the analyst gather feedback from them.
    2. Was opted to be less costly to save on cost for Golden Chain Luxury Stores hence proofing to be aneffective means of information gathering.
    3. Also providing secrecy to our clients‟ response was seen as notch higher to offering privacy to their information.
    4. Interview

The team also organized an interview for the employees and staff members as a method to gather information within the organization.



### GOLDEN CHAIN LUXURY JEWELRY MANAGEMENT INFORMATION SYSTEM

|  |
| --- |
| **EMPLOYEE SAMPLE INTERVIEW QUESTIONS** |
| 1. **How efficient is the current system….**   **The analyst expects a brief description of how the system works and its functionality to accomplish daily transactions.**   1. **Depending on the interaction with the interface, how accurate is the current system… Interviewee is expected to clarify how fast, up-to-date of data and retrieval from the database, the system is.** 2. **Biasness…**   **How accurate is the information retrieved from the database to the relevant target group.** |

# CHAPTER FIVE

## System Design

It entails the process of developing abstract models of a system. It helps to configure the required hardware and software platform and the communication networks.

* + 1. Data Flow Diagrams [DFDs]

Is a map out of the flow of information for a process or system.

Registration

ADMIN

ADD NEW

EMPLOYEE

Process

Information

DATABASE

**Figure 3: Registration of a new Employee to the system.**

Request

CUSTOMER

Item & Receipt

Client Infor

ADMIN

Receipt & Report

PROCESS REQUEST

Merge Infor Extract Infor

DATABASE

**Figure 4: Customer order processing on the system.**

* + 1. Flow Chart START



CUSTOMER

First Name, MI, Last Name, Street, City, Prov, Zip, Contact, DOB, Sex, Remarks

REFRESH DATABASE

DETAILS

ADD SAVE CANCEL EXIT

ADD TO DATABASE

UPDATE INFORMATION

Database Access

GENERATE CUSTOMER NO.

STOP

**Figure 5: Flow Chart indicating the Customer Database process of information.**



START

Password

LOGIN DETAILS

LOGIN

SUCCESSFUL

FALSE

INVALID

PASSWORD

TRUE

Extract

Database

Merge

Database

STOP

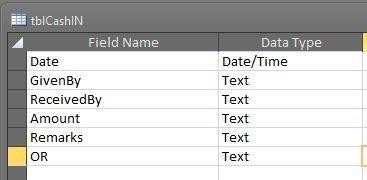
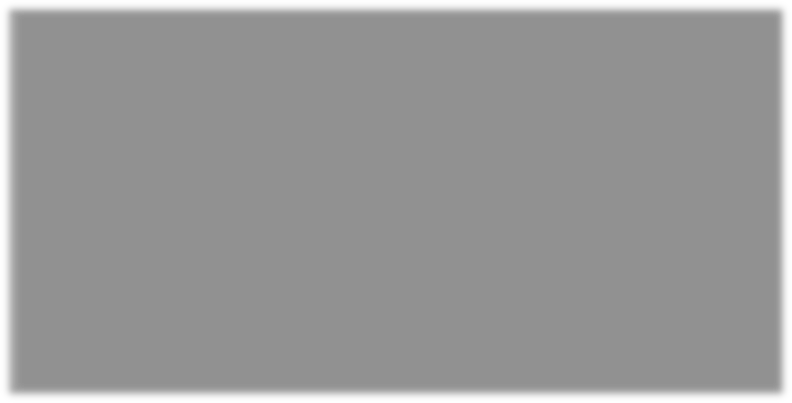
PRE-DEFINED PROCESS

LAUNCH THE SYSTEM

**Figure 6: Sign In process and Launching of the system.**

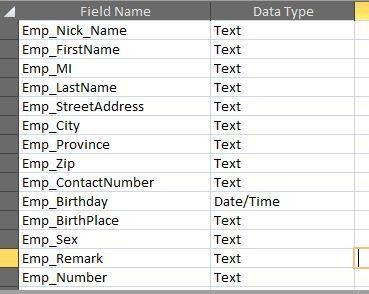
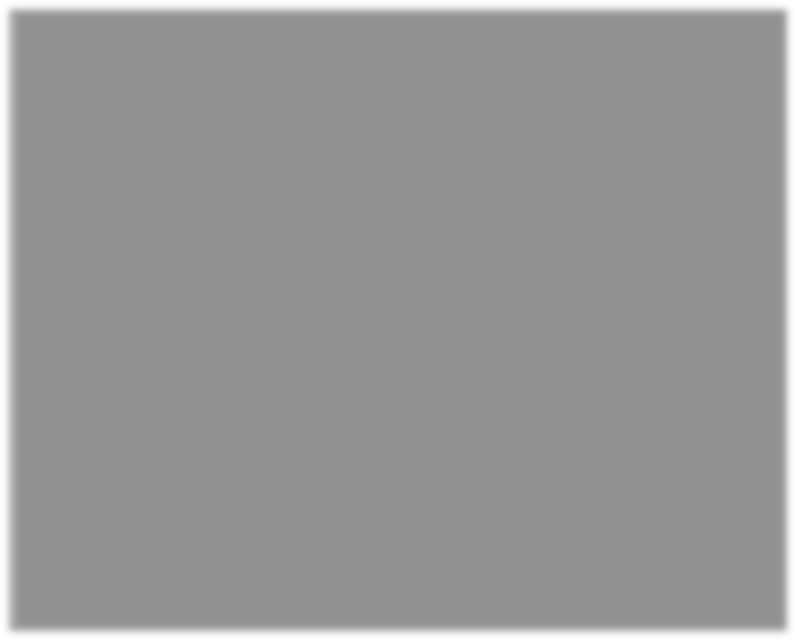
## Files and Data Stores

* + 1. Table Designs
       1. Cash IN Table



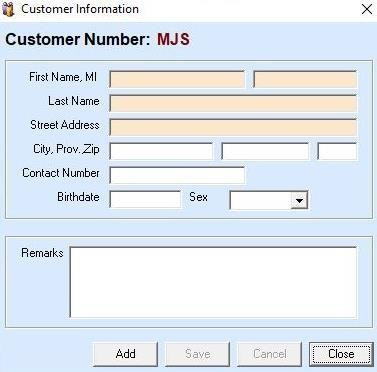
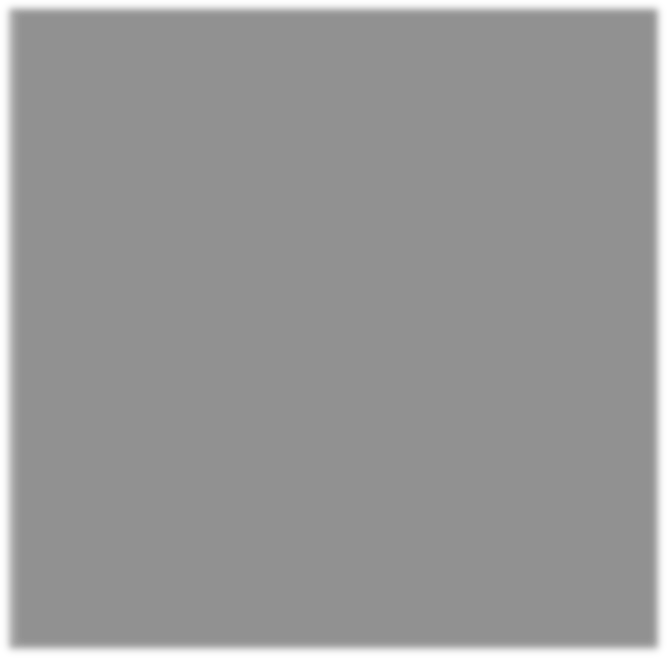
**Figure 7: CASH IN Table**

* + - 1. Employee Table



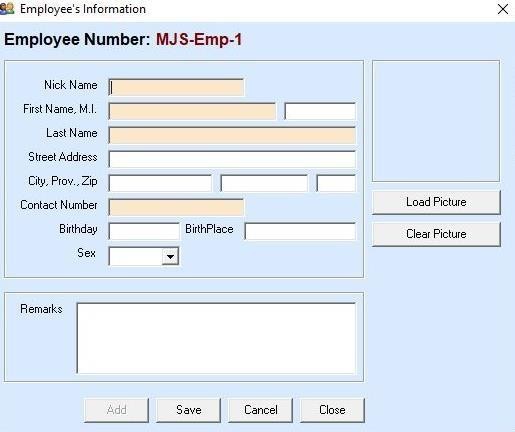
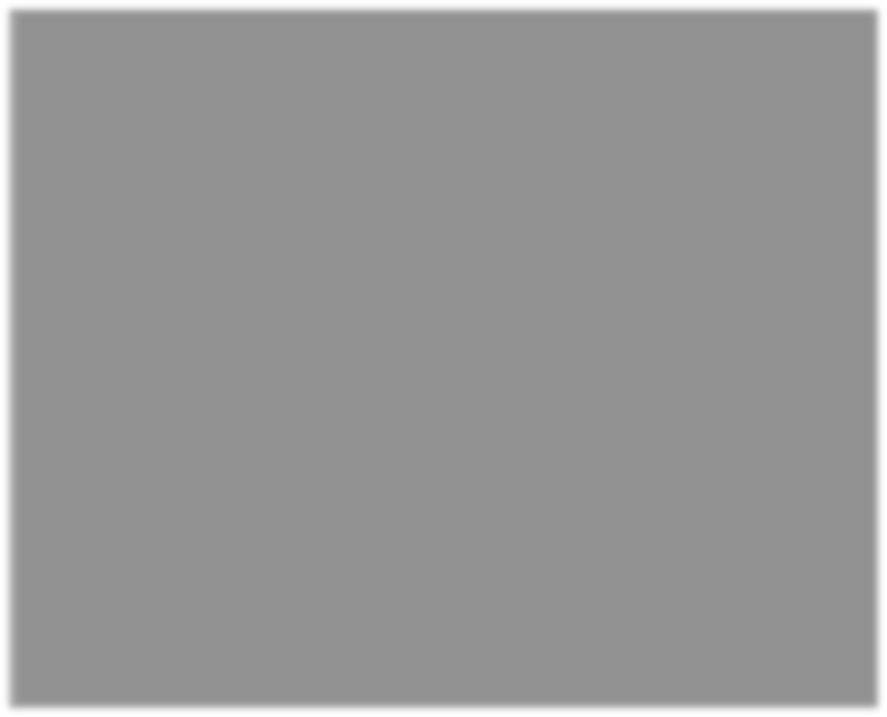
**Figure 8: Employee Table**

* + 1. Input Specification
       1. Customer Entry Interface



GCJLMIS

**Figure 9: Customer Entry Interface**



GCJLMIS

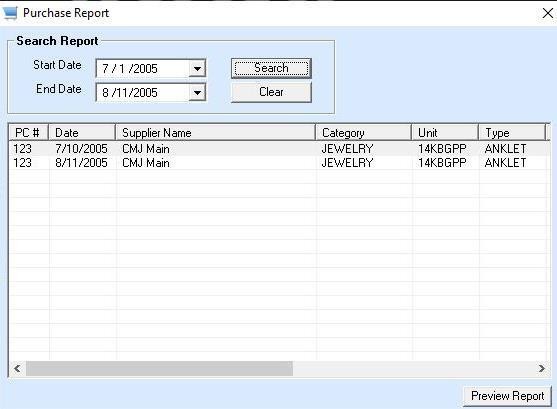
**Figure 10: Employee Registration Interface.**

* + 1. Output Specification
       1. Cash Flow Report



**Figure 11: Shows a dialog to generate Cash Flow Report.**

* + - 1. Purchase Reports



**Figure 12: Generating Purchase Reports for Sales.**

# CHAPTER SIX

## System Implementation

Involves the delivery and installation of the proposed system. Smooth shifting from the old system to the new proposed system as a result of the changeover period of the system.

Parallel Changeover – The methodology used during the changeover period due to its strategic efficiency and reliability to run both the old and new system using live data until all the project requirements and problems are met by the new system.

The parallel changeover allows for comparison between the 2 [old and new] systems giving room for error detection and ease functionality of the system.

Due to this changeover procedure, the staff will be trained to ensure familiarity and ease of use to the system, preventing operational breakdowns and all time repair which will be more costly.

The following are procedures taken to achieve the implementation success.

* + 1. File Conversion
    2. Changeover - Parallel Running
    3. Staff Training



* + 1. File Conversion

At this stage, modification of data file formats is done. The proposed system may require file formats from manual data files to computerized formats.

The following procedures are to be followed to ensure success of file conversion:

* + - * Manual Records of the existing data.
      * Data Entry – Transfer of the recorded data.
      * Updates of file to new computerized formats.
      * Validate contents to ensure data entered is not prone to errors.
    1. Parallel Changeover

The following are circumstances under which the procedure would be satisfied:

1. When the proposed system is complicated.
2. When the development team has little confidence.
3. More staff to operate both systems.
4. More resources to run both systems.
   * 1. Staff Training

This is to assure the developers, the new system will be acceptable by the user, besides familiarizing the staff with the new technology. Training also improves security by reducing accidental destruction of data.

The developers will also produce Handbooks from system specification for operational, maintenance and user manuals to the staff members as documentation concerning the system.

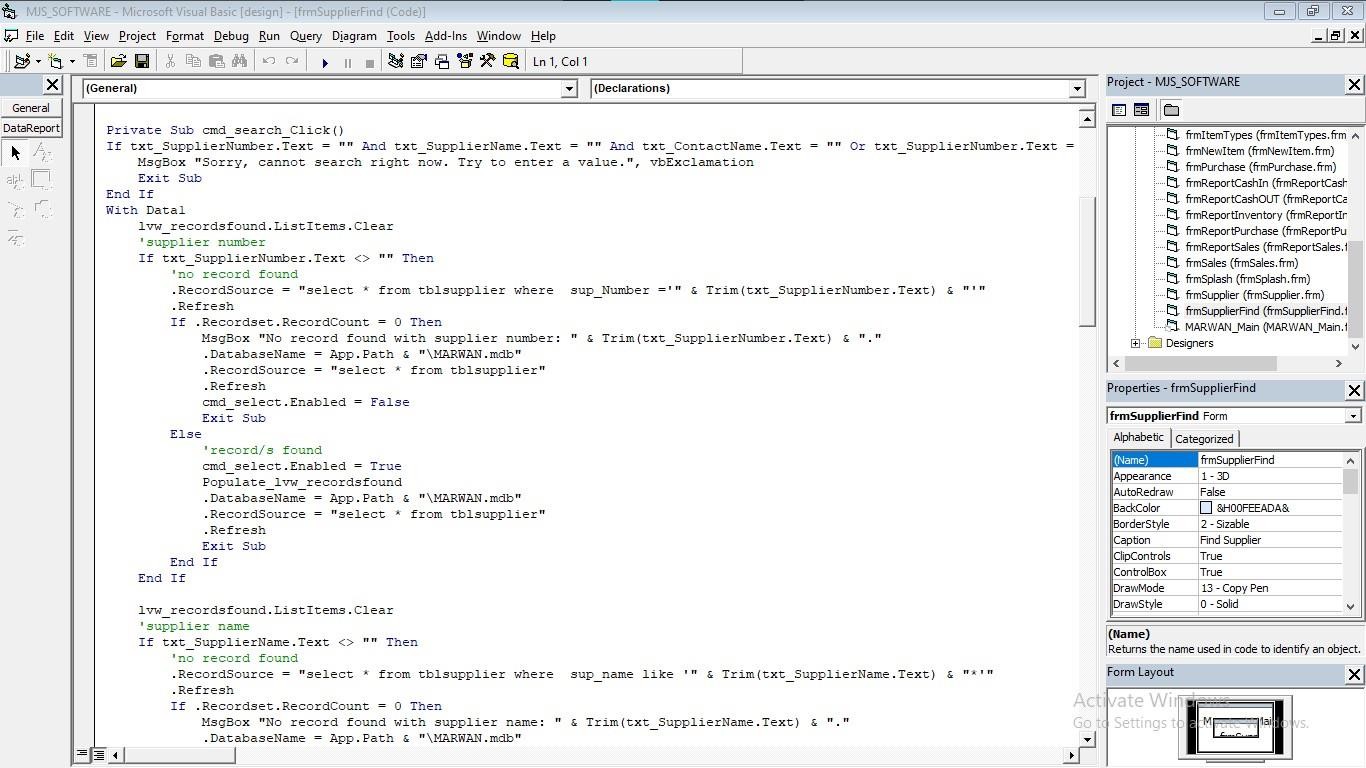
Further workshop sessions will be taken by experts for more training within a given period.

## System Testing

This was done with the help of requirement and design specification to ensure whether the proposed system meets its output as expected, by using some test data.

The developers used Visual Basic 6.0 for the design and construction of the interactive interface of the system.

Ms Access – A database platform made it easy to perform CRUD operations on the system, making it efficient to run the logical structure of information.



**Figure 13: Sample Code used during construction of the system.**

* + - 1. CHAPTER SEVEN
  1. LIMITATIONS
     1. High Expertise – The project faced a set-back of high number of expertise to complete the project and team management for the success of the system.
     2. Time – According to the short stipulated time a lot could have been accomplished and put in place by the development team.
     3. Resources – This was a challenge that almost cost a lot of the project being not able to acquire the required resources at specific time thus dragging back most of the tasks in the process.
     4. Limited access of data – At some point accessing information was difficult due to unavoidable circumstances such as weather changes hindering from sufficient information gathering.
     5. Conflicts – Some respondents produced biased information which affected the legitimacy of our study.
  2. CONCLUSION

The development therefore came to conclusions that the proposed system will be functional to the store since it meets the required specifications and objectives targeted to satisfy clients‟ experience. However, the company has to hire ICT specialist(s) for the managements and smooth running of the system, with ability to update, maintain and regular system testing to debug errors that may arise in the near future.

* 1. RECCOMMENDATION

At the end of the Project, the developers recommended that the business keep using the system and incase of any malfunctioning of the system, to contact the system administrator who should provide way forward and rescue the business from collapsing.

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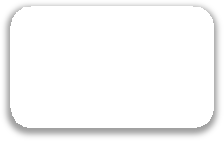
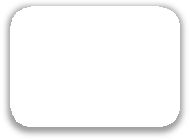
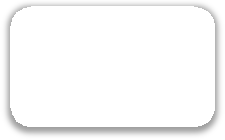
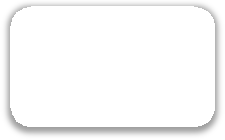
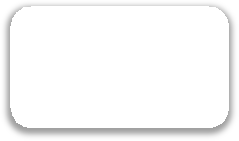
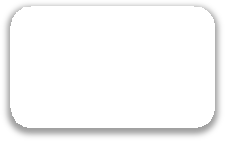
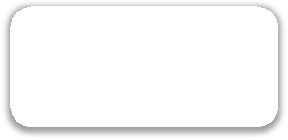
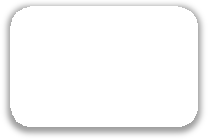
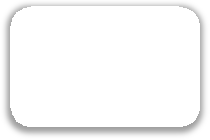
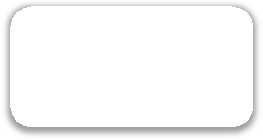
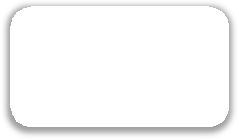
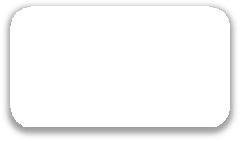
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Appendix



Appendix 1: Organizational Structure

CEO

Manufacturing

Manager

Distribution

Manager

Retail

Manager

Marketing

Manager

Human Resource

Manager

Production

Manager

Sales

Professional

Operations

Manager

Gemologist

Bench

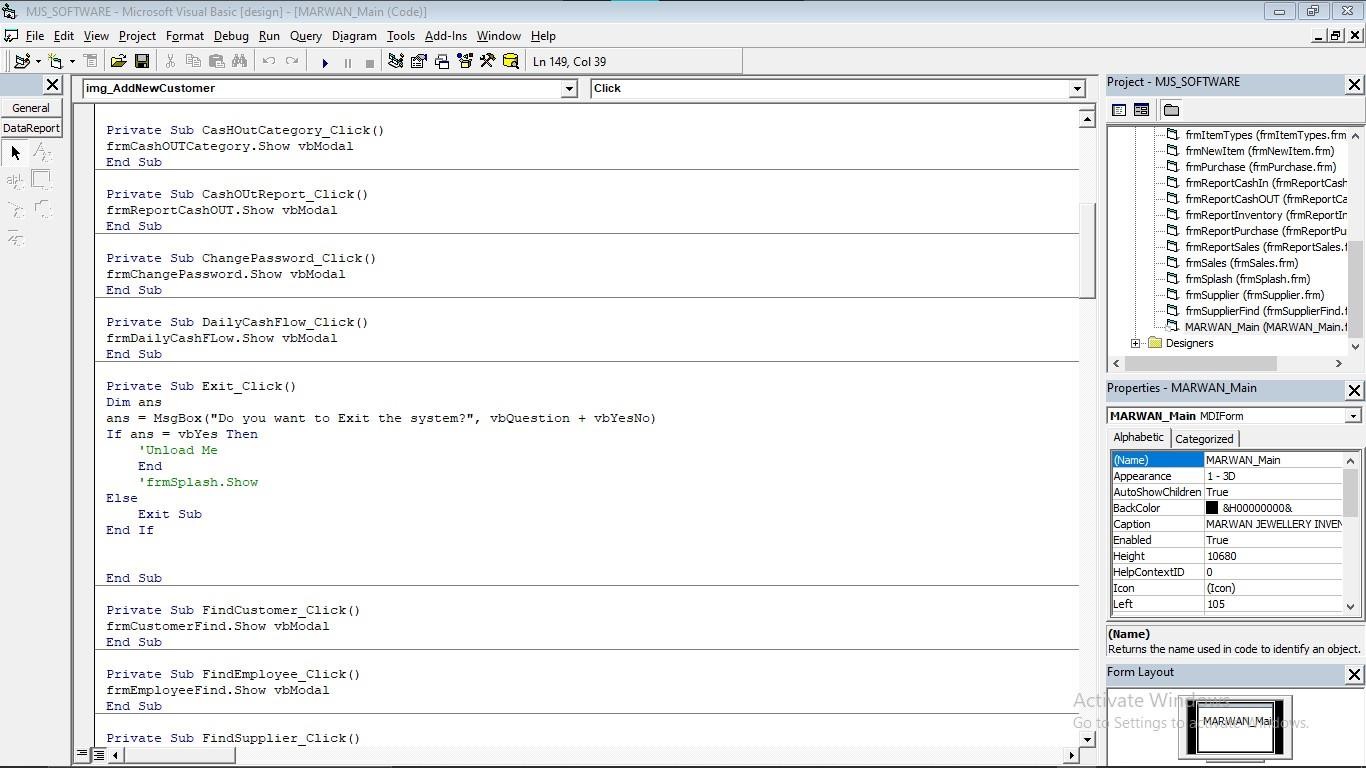
Jewelers

Financial

Managers

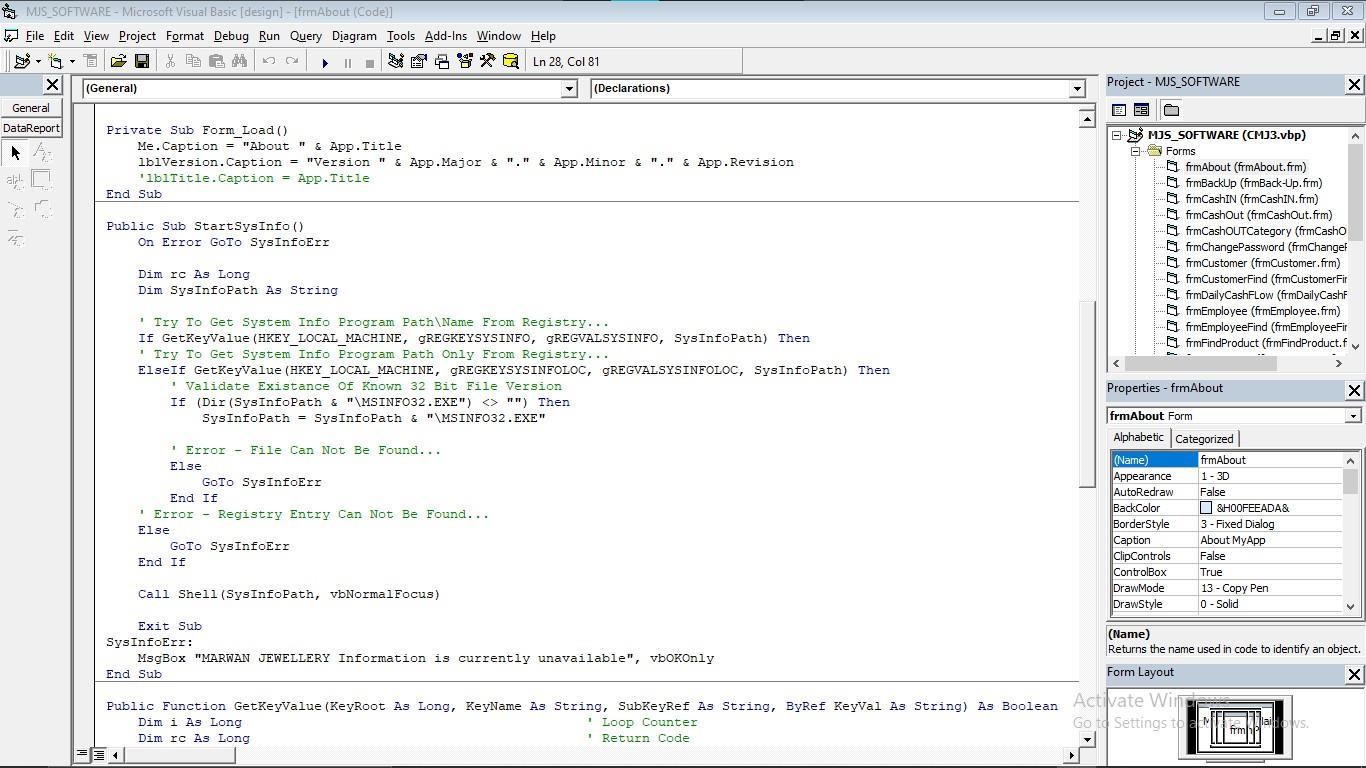
**Figure 14: GCLJMIS Organizational**

## Appendix 2: Coding Windows



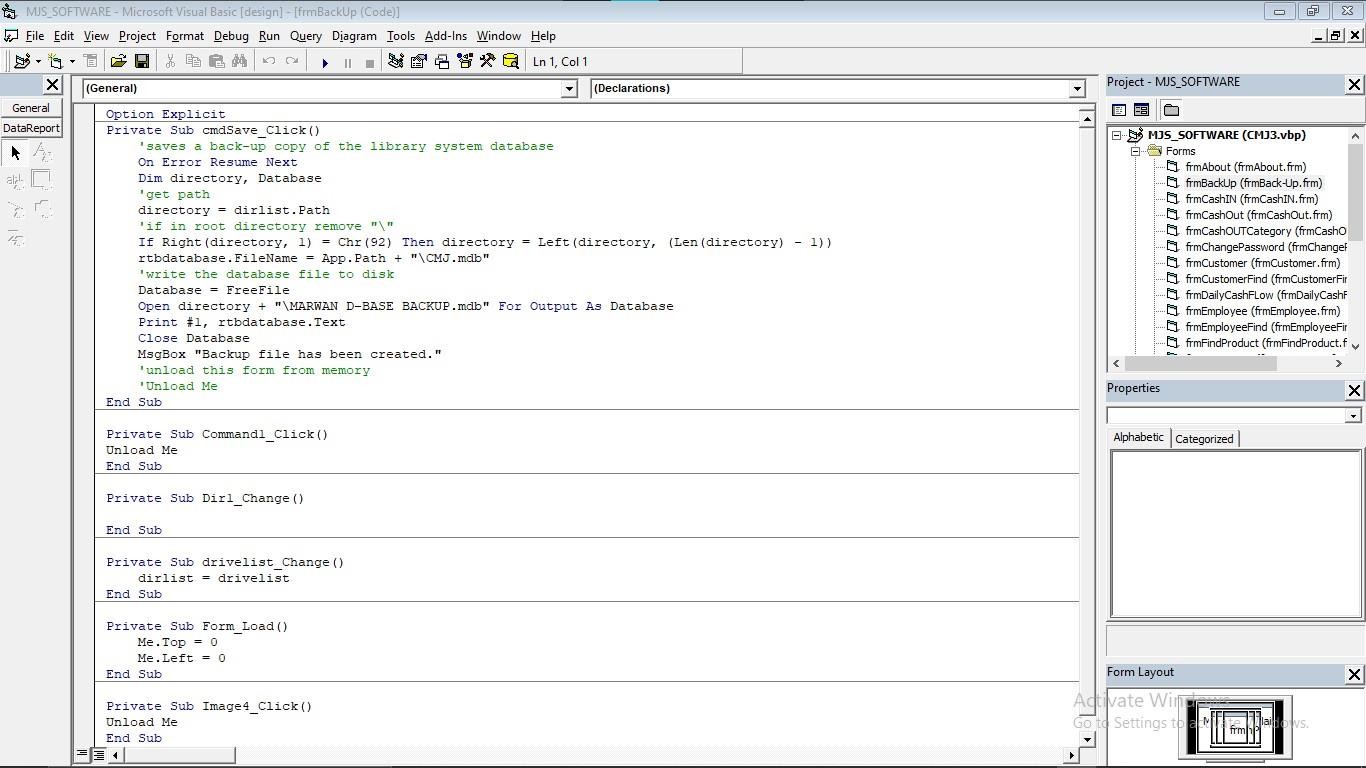
**Figure 15: Main Window**

Main window that opens by default as the startup object of the application.



**Figure 16: About Window**

Code describing the system information



**Figure 17: System Back up Database.**

Golden Chain Luxury Jewelry Management Information System System Back up database.

## C:\Users\SIID\Desktop\WhatsApp Image 2022-01-20 at 03.05.35.jpegAppendix 3: User Manual

Once you launch the system, Login dialog box pops up requesting password from admin to allow access to *Golden Chain Jewel Inventory System.* This provides security to the company‟s accidental information from unauthorized users.

When you get access to the system, the homepage screen appears alerting the system is ready to be used. On the left pane, features are aligned to help you perform the required operation.

The Menu bar contains *Utilities, Transaction, Reports, Help* and

*Exit* functions which help with ease of navigation within the application, performing same operations as the icon pane bar. The status bar contains name of the system *“Golden Chain Luxury Jewelry Inventory System”,* the *current version* of the

application and *email* account for more contact

information: [*Golden Chain Luxury.com*](mailto:Marwan.jewels@stores.com)



Using the help icon, it provides access to

information of the current device, *key security options,*

*key root types, HKey Local Machine, sysinfopath*

*dir, Open Registry Key*, an error is expected to halt incase any of the above properties are not met.

With “*Add New Employee*”, the admin is required to fill *First Name, MI, Last Name, Street, City,*

*Prov, Zip, Contact, DOB, Birthplace, Sex, Display Photo* and *Remarks* from the newly employed personnel. The system automatically generates *“Employee Number”* from its algorithm. Once done, by clicking *“Add”* the system adds a new record to the database. *“Save”* automatically update existing record as *“Cancel”* refreshes the window. *“Close”* terminates the window.

*“Add New Item”* icon opens a window that allows for new item record to be inserted. The item should contain variables; under *“Item Type”;* *Category,*  *Unit,* *Type,* *Division*. Whereas

under *“Detail”;* *Item Description,* *Unit Price,* *Remark.*



*“Cash IN”* interface provides a window to fill in cash transactions received by the company. Cash IN transactions involve the purchases made by customers and/or other retail stores.

Once you click *“Received”*, the databases updates itsrecords and perform required operations such as Report.

*“Cash OUT”* icon displays a window for all the company expenses, and other miscellaneous expenditure and transaction is released to the respective holder.

Back up of information to the database is a crucial

feature in the system. The *“Back Up Database”* icon provides user defined backup location to the local machine. This process therefore generates a new database file (.mdb) format containing all updates and information of the previous database.

Finally existing the system should be the last step of closing the application. Using the *“Exit”* feature on the

Menu tab (as well as the close button), left click once and the system alerts with a warning to make ascertain that you want to close the application. Click *“Yes”* if you agree to the warning, otherwise click *“No”* and the system will retain its running processes



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