

# JEWELLERY MANAGE ENGINE

Rishabh Soni<sup>1</sup>, Ashwani Singh<sup>2</sup>

*Department of Computer Science and Engineering, First affiliation, Galgotias University, Greater Noida, 201310, India*

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## 1. Abstract:

In this contemporary world, computers have become more and more popular and important to our society. We will use computers everywhere and that they are very useful and helpful to our way of life. Computerized systems are often used for scheduling the roles, update the stock details, for complex calculations, and also used for preparing bills to customers. Here we developed a system to computerize the key transactions in jewellery like, purchases, sales and bill preparation. This software is often used for managing customers similarly as employees related to that shop in a very short period of your time. The minimum guarantee is that this method takes less time compared to any or all manual work, so we will save time and money also.

Jewellery Management Engine could be a software which is worried with the computerization of the records maintained in jewellery. During this project the main points about the customer, agents and also the staff are stored in separate tables. Customers' details are stored in a very single table by day to day process at the time of purchase. The agent details are stored in different tables supporting the item.

The standard rate of buying items like gold, silver and diamond are stored in a very separate table. Reports generation and billing are often done easily. because the market rates are volatile these rates are often changed as and when required. It is planned to design in such some way that a standard soul even with account knowledge can use this software to are done by entering the main points and clicking on the respective places .Thus, the project satisfies the whole needs of the jewellers within the process of maintaining these records and saves lots of your time. Jewellery Manage Engine could be a web-based application which is able to shortly be as an internet site also. As I researched in Jewellery Marketing area then I worked out that there is a monopoly just in case of application in Jewellery field, so to administer a web platform to vendors is going to be very fruitful. Currently one organization is inventing an application to manage customers and stock and maximum of vendors are using that application. When the info becomes large in size and difficult to manage, It is better to use *computers instead of* manual data entry systems. The newly developed system is more suited than the manual database because it provides the facilities like, Large storage capacity, High speed, Data

are often stored within the variety of file, records and fields etc.

Jewellery Management Software is one of the leading software for complete management of Jewellery Shops and Showrooms, It can manage Inventory, sale and purchase and account excellently. This will provide all kinds of record keeping features like day book Inventory, business daily book which will be beneficial for large and small businesses.

## 2. Introduction:

Jewellery Manage Engine goes to be more popular because Using manual process, the work becomes slow. As technologies are being developed and that we are now updated to advanced technology, we want work to be done faster and to cut back the manpower involved within the work. The upkeep cost is more and it should be maintained carefully. someone who doesn't have knowledge of it couldn't be able to handle the system. Thus, taking this into consideration. within the Jewellery Resource Management project, the project can give any reasonable information through reports and queries if required as per requirement we make changes to supply ease while data storage and retrieval with enhanced security. This can be very sophisticated to use and modify. The project is intended in such the simplest way that it can afford any changes that happen in future. The project can even be modified in keeping with needs' is possible to own an integrated system with GUI and electronic information service for the jewellery Resource Management. The wastage of cupboard space is avoided by eliminating the info redundancy, which the interval helps for efficiency. Jewellery trade has been one in every of the luxurious and high benefit businesses during years. thanks to the high average of product cost during this business, management and protection of them in both supply chain and retail applications are important issues (Wyld 2010). Jewellery displays are usually faced with various challenges. many jewellery must be checked a day. Jewellery must be founded daily so stored within the safes within the evening. Because they're small in volumes and high in price, they need the chance to be lost or stolen. Jewellers must bear in mind not only strangers, but also their staff. Many jewellery displays avoid to push their business due to these difficulties and challenges in census and security. Furthermore, jewellers have an interest in understanding jewellery which are more attractive to their customers or

those which are more sold during a specific period of your time. Customers are usually interested to check jewellery and watch them closely, so that the staff must continuously bear in mind them. Sensor networks containing RFID technology beside GI systems may be accustomed to solve many of those problems. Within the following, some scenarios are presented to specify the advantages of using RFID geo-sensor networks and integrating it with GIS in jewellery management systems. The project work entitled "Jewellery management system: an overview" has been developed to computerize all operations in "RISHABH JEWELLERS", Lucknow, U.P., India. The jewellery was established in 2005. It is owned by Mr. Ghanshyam Soni proprietor. The firm purchases items that support their demand and that they also update their stock in keeping with new fashion. The payment is principally wiped out terms of money. In the present system all operations are done manually. They provide primary priority to the customers; thus, the jewellery stores trendy collection of type of ornaments and traditional items also. the provision of top-quality ornaments is one in every of the reasons to drive the purchasers to the present organization. The jewellery also requires a bit expertise or technical knowledge to understand and check whether it is pure as per standard and hallmark or not. This type of buying behaviour creates hesitation in the consumer's mind and restricts them to shop from anywhere. Jewellery buying behaviour being a complex in its nature involves higher risk and hence gives less scope to shop for fun. Jewellery Manage Engine is very helpful for both types of vendors either the business is on low scale or large scale. Over the past decade jewellery management and turning your jewellery shop online is not easy and acceptable in society because in case of jewellery trust is more important. In a recent survey, it was found that the sale of jewelry from online stores is 7-9% this simply shows we have very few online jewellery shops. In a research via communicating with some of jewellery shop owners I found that they have no any options for jewellery management, even they also want to make shops online. The difficulty they are facing is how to gain customer trust online because jewellery is too costly, customers want reliability and transparency. Some Online stores have minimum purchase requirements before completing your order. Shipping cost, handling fee, taxes and other charges can add to your overall expenses. Not being able to try on rings and other jewelry Not seeing the actual product to check the quality of the item you want to buy

### **2.1 Small Jewellery Merchants:**

### **2.2 Concept Design:**

According to Kurth (2011), the jewellery industry features a relatively old structure, with a focus on long-term customer relationships and normally a comparatively

small potential customer base. Furthermore, the jewellery retail market relies on many relatively small jewellery retailers. At the purpose of sale, when the customer can see and touch the jewellery, emotions have a giant influence. Many traditional jewellery retailers think about investing in ecommerce, but they only have a vague idea of what this means and what's crucial to create the investment successful (Kurth, 2011). E-commerce may be a great sales opportunity for jewellers since it allows them to succeed in a wider customer base then to extend market share, on condition that consumers can shop 24/7 (Martinez 2006, Kurth 2011). Although there are many ways to try and do business for jewellery retailers within the future, e-commerce can absolutely be an honest opportunity.

### **2.3 Online Jewellery Shopping:**

Business-to-customer (B2C) e-commerce is often referred to as online shopping. In this information age, online shopping has gradually become an indispensable part of daily life for people. Since the late 1990s, online shopping has taken off as an increasing number of consumers purchase increasingly diversified products on the Internet (Zhou et al., 2007). One can look at online shopping both from the perspective of the consumers and from that of the company.

#### **2.3.1 From the consumer perspective:**

Online shopping is becoming increasingly popular and a component of people's lifestyle recently. Online retail sales are estimated to grow from \$172 billion in 2005 to \$329 billion in 2010 (Johnson 2005, cited by Zhou et al., 2007). It is quite certain that the online retail sales keep showing the growing trend in 2011 and 2012. Moreover, Internet users' ability to buy online has significantly improved from 16% to 32% since March 2001. The potential benefits of online buying consumers include convenience, various selection, low price, original services, personal attention, and easy access to information, among others. Park and Kim (2003) classified the attributes of online stores into four categories: merchandise, customer service and promotions, navigation and convenience, and security. Merchandising includes product-related characteristics, which suggests consumers are more likely to be satisfied with a richer product assortment. This may be an especially important aspect to review when thinking reversely from the corporate perspective when devising an internet marketing plan. The second attribute category for online shopping is customer service and promotion. Various online discount information, return and payment policy, delivery information and answers to commonly asked questions are all included during this. The third attribute category is navigation and convenience which are associated with the program of an internet store

(Szymanski and Hise 2000, cited by Park and Kim, 2003). As a result, most online shopping stores provide a product search engine, site map, and navigation sequence guidance function to assist consumers' Search and buying. The ultimate one is security of online transactions.

### 2.3.2 From the company perspective:

Companies can earn a far higher percentage of revenue through online transactions than traditional channels like a true shop (Barua et al., 2001). Barua et al. (op. city.) also highlighted several benefits an organization can earn from selling products directly online, which exert a positive impact on fiscal health: 'As more revenue flows in directly, the corporate can reduce the scale of their staff. They can also shift tasks to the customer – like gathering information about products, entering orders and tracking shipments – that were formerly handled by employees.' Companies do benefit plenty from such efficiencies and eventually become able to abate operating costs. Furthermore, because of the relatively low operating costs, starting a brand new business in the online retail industry seems to be easier and more possible. This can explain the phenomenon that there are more and more small- and medium-sized businesses doing online retail in recent decades.

### 2.3.3 Restraints exist – building consumer trust online:

Although online shopping is becoming more and more popular both for consumers and firms, there are both drivers and restraints. Many consumers are cynical or suspicious about the functional mechanisms of electronic commerce, its transparent processes and effects, and thus the products which are offered good quality online (Grabber-Kraemer, 2002). Consumers' privacy concerns about the loss of control over their information may weaken relationships and affect whether consumers will purchase online (Parasuraman and Zinkhan 2002, cited by Eastlick et al., 2006). There are many researches taking great effort to unravel this problem. The key issue is building consumer trust online

## 3. Method:

### 3.1 Existing System:

The existing system could be a manual system. The proposed system tries to simplify the difficulties encountered in manually handling information about the member details, creditor details, purchase, sales and payments. The present system requires a variety of records and takes an enormous amount of your time for the method completion. After we compare the present system with the proposed system, there are many drawbacks for the present system. Within the current system there's an opportunity of unauthorized access of

knowledge this might cause change within the original data and also loss of the info. These may result in bad assessment within the shop performance. In the present system, all calculations are done manually. For this purpose, the organization needs an individual with well mathematical knowledge and also these manual calculations take longer and chance of error is extremely high. So, it cannot produce accurate results at when. It is difficult to position an order to files, so searching for a file is additionally very difficult and it is a time-consuming process. Over the past decade jewellery management and turning your jewellery shop online is not easy and acceptable in society because in case of jewellery trust is more important. In a recent survey, it was found that the sale of jewellery from online stores is 7-9% this simply shows we have very few online jewellery shops. In a research via communicating with some of jewellery shop owners I found that they have no any options for jewellery management, even they also want to make shops online. The difficulty they are facing such as how to gain customer trust online because jewellery is too costly, customers want reliability and transparency.

### 3.1.1 Limitations of existing system:

In order to perform various operations, the staff have to refer to various written documents and thus create several paper works.

- The existing system is time consuming
- Large storage areas are required.
- Less reliable due to human errors.
- Difficult in producing reports.

### 3.2 Proposed system:

The proposed system for RISHABH JEWELLERS overcomes most of the constraints of this method. So, it's necessary to computerize this method. Thus, we get an improved control over the system and so the new system is in a position to resolve all the necessities of the user. The proposed system is incredibly powerful and it's highly user friendly. It also prevents the unauthorized access to data. Within the proposed system, the information entry screens should be interactive in nature, so that the user can directly compose a data file. The new system gives immediate response to the user by sending various messages after the most operations, thus the user can assure that the information is entered successfully. The new system must include provisions for ordering the files. This makes access and Search records become very efficient. Actually, we are going to hold up with available shops, they're going to order more and customers will get more options for purchasing jewellery. As per you selected

the jewellery and the shop from where you got the required jewellery you will get the jewel man from the same shop and it is their responsibility if in future you want to sell your jewellery that on the basis of current market rate they have to purchase your jewellery.

### 3. 2.1 Advantages of the proposed system:

- Data manipulations are more reliable and accurate
- Making, Search and update is very easy.
- Enables to view large volumes of data in a short period of time.
- Does not call for additional staffing requirements.
- Provides efficient decisions due to effective and accurate reports.

### 4. Results:

With this project, customers can't purchase jewellery online; they just book appointments or can call a jewel man at their own place with the selected product which they chose online. Actually, we will tie up with available shops, they will order more and customers will get options more for purchasing jewellery. As per you selected the jewellery and the shop from where you got the required jewellery you will get the jewel man from the same shop and it is their responsibility if in future you want to sell your jewellery that on the basis of current market rate they have to purchase your jewellery. In simple words the result can be concluded as with the help of Jewellery Manage Engine vendor can perform faster manipulation of data with Minimizes the error in the calculation and Generates reports easily Addition, Deletion & Modification of records are easy.

### 5. Conclusion:

The best idea of this managed engine is to computerize the prevailing system where all the methods were allotted manually. Full attempt is formed to form an application bug free but as we all know "to err is human". The proposed system would solve lots of problems associated with retail and inventory management and monitoring within the context of the jewellery industry. The evaluation of accuracy of the system could be a challenging issue, therefore the future works will target ways to gauge and improve accuracy of the system. This project title "JEWELLERY MANAGE ENGINE" will be developed using windows environment.

### 6. REFERENCES:

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