Automation of Jewellery Shop

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# Introduction

The Automation of Jewellery shop will be measured with purchasing and selling of Jewellery shop. Current Jewellery shop provides the details of overall business transactions but they do not provide easy way information on sells/purchase in and sells/purchase out. Again Jewellery shop is using written document but it is very time expensive and can't report generated short time. It can’t be provided when it is needed. In this Automation of Jewellery shop that will be solved above mentioned problem.

# Motivation

In an ideal situation, Automation of Jewellery shop will follow the steps and rules to meet user requirements on demand and on time. Apart from this it will remove the difficulties faced by the admin to manage their shop and can be easily handled by the admin without any technical knowledge of the platform used and about the system. Through this Automation of Jewellery shop employees working under a particular shop can be easily managed and overall transactions of particular date and time can easily be viewed.

The current Jewellery shop does not provide the method to back up the database which is very important for any business transactions; another important matter is security system that is very essential for business. Current Jewellery shop provides the details of overall business transactions but they do not provide information on sells/purchase in and sells/purchase out. By using this technique shop manager can use their business strategy such as cost cutting method for their business process to gain maximum profit.

# Proposed system

The aim of this project is to evaluate the efficient and efficacy of developing Jewellery shop so that business transactions are easy. To do this a simple set of tables will be identified from those in use at a database. These tables will be explored and mapped. Queries will be aimed at accessing data in its native environment.

## Environment

This project will be entail examining the use of xampp or lampp or wamp local server hosted database system. Xampp or wamp is a window based local server. Lampp is a linux based local server.

Customer

Order

Delivery

Mobile no

Name

Emp\_id

Address

Produce

Order\_id

Shop

Employee

Mobile no

Name

Address

Cust\_id

store\_id

Order\_id

Store

Order

Goldsmith

Name

gsmith\_id

Figure-1: Working procedure of Jewellery Management

Delivery

Through this new Automation of Jewellery shop managers can easily handle their shop and business transactions by accessing a single or multiple windows. This Jewellery shop will have Utilities, Transactions and Report generations menus. Utilities section will deal with backing up databases either on daily basis, timely basis, monthly basis etc. as set by the admin, adding new employee, deleting new employee, managing existing employee details, adding new customer, adding and deletions of new supplier, changing the password, categorize different Jewellery items etc.

Transaction will deal with accounting part of this business scenario. It will provide information on sales, purchase, Cash In and Cash Out associated with this business process.

Generating report by accessing information stored in database is another important feature of this system. This Jewellery shop will able to generate as per user requirement in user friendly manner. User does not require any technical details to generate reports. They have to submit their requirements by using different options available. This section will able to generate reports on sales, purchase, Cash In and Cash Out between a given time interval. If the date option will not be used, it will generate report from the starting date of business to the current date. However user can refine their query by using any specific date and time.

## New Feature

New feature added in Automation of Jewellery shop is SMS system. When a customer give order different items to the shop, after the order finished sending a SMS to the customer's mobile number automatically. In the same way delivery order, Cash In or Cash Out to send SMS from server.

## Implementation

Front end needed HTML, CSS .Language will be used PHP, JavaScript Ajax and Jquery. Database MYSQL will be also needed.

## Deliverables

This project will produce a different type of report such as Customized order report, Readymade sales report, due report, Customer details, Employee details, maker bill report etc. User types: Admin, Employee. Also produce print, database backup, restore etc.

**Timeline**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Id** | **Task Name** | **Start** | **Finish** | **Duration** | **Expected time** | | |
| 1 | System Analysis | 25/08/2014 | 28/08/2014 | 4d |  | | |
|  |  | |
|  | | |
| 2 | System Design | 29/08/2014 | 31/09/2014 | 3d |  | | |
| 3 | Coding | 01/09/2014 | 03/10/2010 | 33d |  | | |
| 4 | Testing | 03/10/2014 | 04/10/2014 | 2d |  | | |
| 5 | Debugging | 04/10/2014 | 08/10/2014 | 3d |  | | |
| 6 | Efficient & Performance Testing | 08/10/2014 | 10/10/2014 | 2d |  | | |
|  | |  |
|  | | |
| 7 | Documentation | 25/08/2014 | 10/10/2014 | 47d |  | | |
|  | | |
|  | | |

# Conclusion

Figure 2: - Gantt chart

The system “Automation of Jewellery shop” will be deal with purchase and sales processing of Jewellery shop. This system will be developed to satisfy all the proposed requirements. The process of recording will details about supplier, item, Billing and customers is more simple and easy. The system will be reduced the possibility of errors to a great extent and maintains the data in an efficient manner.

# References

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