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SOFTWARE REQUIREMENT SPECIFICATION

Online Jewellery Shop Management System

ABSTRACT

Online Jewellery Shop is basically used to build an application
program which help people to find and buy latest design of jewellery with different
categories like Gold, Silver, Diamond . It is useful in the way that it makes an easier way to
buy products online.

Today most of the jewellery shops are useful for shopping sites. The admin have
lots of paperwork and they are using desktop, spreadsheet like MS Excel application to
manage data in soft copy about user record. In this proposed jewellery System it will run in
server and user can handle the whole registration activities. It has facilities to generate
various types of reports (like pdf, excel) which are required by the management during
event organizing.

This application maintains the centralized database so that any changes done at
a location reflects immediately. This is an online tool so more than one user can login into
system and use the tool simultaneously.

The aim of this application is to reduce the manual effort needed to manage
transactions and historical data used in various gods owns. Also this application provides an
interface to users to view the details about events.

CHAPTER 1

INTRODUCTION

1.1 Project Detail

An Online Jewellery Shop The main goal of this project was to create shopping

cart, which allows customers to shop and purchase the Jewellery products online.Moreover, the project is also designed in such a way it let's managers manage the products information. Customers can order products, and they will be contacted to further process the orders.

In today's busy world, people don't have time for their personal needs. And the technology fast that anyone can do by sitting in a room. If someone buy a new things , he can buy online with the help of the Internet.

The application is implemented in PHP and consists of two main components:

•Admin and

•Customer side

 Admin side

 consists of the features such as Creating Username & Password, Input Items, Modify Items, Delete items, Query Sale Data, Query Database's data, and Logout.

Customer side

 consists of the features such as Select Products, Search Products, Buy Items, Continue Shopping, View Cart, Checkout, Sign-in, Creating an Account, Bill/Ship Information, Confirm, Send Order, and Delete Order. There are also the future works for this application.There are mainly three such objectives which are as follows:

•To shop in the comfort of your home, without having to step out of the door.

•To be able to easily save money and compare prices from website to website.

1.2 Scope

The scope of this system is to provide user comfortable environment of

Purchasing

 and selling products and services over the internet without the need of going

 physically to the market is what online shopping is all about. Online shopping is just like a retail store shopping that we do by going to the market, but it is done through the internet. Online shopping has made shopping painless and added more fun.

Online stores offer product description, pictures, comparisons, price and much more. Few examples of these are Amazon.com, ebay.com,framt.com and the benefits of online shopping is that by having direct access to consumer,the online stores can offer

products that cater to the needs of consumer,cookies can be used for tracking the customer selection over the internet or what is of their interest when they visit the site again. Online shopping makes use of digital technology for managing the flow of information, products, and payment between consumer, site owners and suppliers. Online shopping can be either B2B (business to business) or B2C (business to consumer)

Shopping cart is one of the important facility provided in online shopping, this
lets customer to browse different goods and services and once they select an item
to purchase they can place the item in shopping cart, and continue browsing till the final selection
have in the database. Limited access is available to the operator. As this is generic software it can be used by a wide variety of outlets (Retailers and Wholesalers) to automate the process of manually maintaining the records related to the subject of maintaining the stock and cash flow.

1.3 Hardware/Software Used

The hardware requirements Online Jewellery Shop are

•Processor: Pentium IV Processor

•Hard Disk: 80 GB HDD

•Ram: 512 MB and above

The software specifications are

•Operating System: Window 7 and above

•XAMPP Server

CHAPTER 2

TECHNICAL FEASIBILITY

2.1 Technical feasibility

Technical feasibility is one of the first studies that must be conducted after the
 project
 has been identified. In large engineering projects consulting agencies that have large staff of engineers and technicians conduct technical studies dealing with the projects. In individual agricultural projects financed by local agricultural credit corporations, the

technical staff composed of specialized agricultural engineers, irrigation and construction engineers, and other technicians are responsible for conducting such

feasibility studies.

The first step in the feasibility stage, Technical Feasibility, involves

development of a working model of the product or service. It is not necessary that the initial materials and components of the working model represent those that actually will be used in the finished product or service. The purpose of the working model is to demonstrate, to your own satisfaction, that the product or service is functional and producible. It also provides a visual means to share your concept with others. The concept of a mechanical working model is easier to grasp and understand than software, ecommerce or service-related products. E-commerce models require verification of the ability to integrate the computers, servers, software and programming needed to support the operational concept. Services, packaged as a set of value-added activities, should deliver observable benefits.

Definition:The process of proving that the concept is technically possible.

Objective:The objective of the technical feasibility step is to confirm that the product

will perform and to verify that there are no production barriers.

CHAPTER: 3

BACKEND DESIGN
3.1 Data Dictionary
A data dictionary, or Metadata Repository, as defined in the IBM Dictionary of Computing, is a "centralized repository of information about data such as meaning, relationships to other data, origin, usage, and format. The term can have one of several closely related meanings pertaining to databases and database management systems (DBMS)

A document describing a database or collection of databases.
•An integral component of a DBMS that is required to determine its structure.
•A piece of middleware that extends or supplants the native data dictionary of a DBMS.
The terms data dictionary and data repository indicate a more general software utility than a catalogue. A catalogue is closely coupled with the DBMS software. It provides the information stored in it to the user and the DBA, but it is mainly accessed by the various software modules of the DBMS itself, such as DDL and DML compilers, the query optimizer, the transaction processor, report generators, and the constraint enforcer. On the other hand, a data dictionary is a data structure that stores metadata, i.e., (structured) data about information. The software package for a stand-alone data dictionary or data repository

may interact with the software modules of the DBMS, but it is mainly used by the designers, users and administrators of a computer system for information resource management. These systems maintain information on system hardware and software configuration, documentation, application and users as well as other information relevant to system administration.

If a data dictionary system is used only by the designers, users, and administrators and not by the DBMS Software, it is called a passive data dictionary. Otherwise, it is called an inactive data dictionary or data dictionary. When a passive data dictionary is updated, it is done so manually and independently from any changes to a DBMS (database) structure. With an active data dictionary, the dictionary is updated first and changes occur in the DBMS automatically as a result.

Mmenu_name Menu name of the category of the product

Submenu_name

 Name of the product link to the main menu
Checkout

Check for the buy the product

Checked on Date and time of buy the product by user

3.2 Database Tables
In the "Online Jewellery Shop" there are many modules some of them are as
follows:
3.2.1 Admin
It includes an admin and Sales Executive. Basically in this table we can store .The information about products ,Categories ,Sub Categories and also information about the users.
3.2.2 User
This module is used to store the information and details of users. Basically in
this table we can store information about the users like Id, Name, Surname, UserName, and Address.

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Table 3.3 User

Column Name Type Size Description
id Int 10 Id of the user /P.K
 Name Varchar 50 Name of the user

Surname

Varchar 20

User surname

Username

Varchar 30

User UserName

Password

Varchar 10 User Password

Email

Varchar 10 User EmailId

3.2.3 Cart
This module is used to keep the information about cart. We can store the information
about products like id, jewel_id, quantity and customer_id etc.
3.2.4 Jewellery
In this table the information about the item sold is to be stored. The table
contains the information like Transaction id, Item name, Selling price, Quantity, Amount,
Date, Username Customer id etc
3.2.5 Main_Menu
In this table the information about the main menu id, main menu name,
is stored.
3.2.6 Sub_Menu
In this table the information about the id, main menu id, smenu name, smenu
link is stored.

CHAPTER 4

FRONTEND DESIGN
4.1 Input Forms
4.1.1Home page
Home page is the main page of the website .This page is tell about the
information and look and feel of the website .This page is very important to make it attractive.
This page include all the features and functions of that website

4.1.2 Login
Login is the process by which an individual gains access to a system by
identifying and authenticating themselves. Basically using following form employee and

admin gain access to the system. The person have to fill the username and unique password and the press to the submit button.
4.1.2.1 Admin Login
Admin logins access the full system and can add or delete employees as well.
The admin have to fill the user name and unique password and the press to the submit
 button to access admin area. Admin view all products details and users details

4.1.2.2 User Login
User Login is the process by which an employee gains access to a
computer system by identifying and authenticating themselves. The user have to fill
the user name and unique password and the press to the submit button. User can
 buy and view products
4.1.3 User Registration
The User registration form contains a list of fields that is used to input data
about customers. To add a new customer we required to fill the given form which contain
User name, email, contact number, and address and then submit it
4.1.4 Add to cart forms
Basically this form is used when any item is add in cart. At the time of this we
should fill the details about the item like jewel id , quantity, product name, price, total items
and delivery cost , amount, quantity, price and vat included on that product etc
4.1.5 CheckOut Form
This is a form that is be used for gathering necessary information about new
order. When we checkout the form than there is already have information about the order
 product and the details of the user also. User must fill out the credit card number. Then
there is a receipt is generated like invoice

CHAPTER 5
PRODUCT RECORD
5.1 View Products Record
5.1.1 Products Information
The following output form shows the whole information about the products
which are involved in the type , categories, and the description of the product. Following table
shows product details, price of the product, category, and etc

5.1.2 View Category Of Products
The following output form shows the whole information about the category of
a product item which is made by the admin . Following table shows menu id, menu name
,menu link
5.1.3 View Sub Category Products

The following form shows the information about the sub category of the

 products. Following table contain information like menu id , menu name, main menu id, sub

menu name and link.

5.1.4 View User Record

The following form shows the information about the user id, First Name, Last
 Name, User Name, Password, Email, Address, status.
5.1.5 View Category Of Products
The following output form shows the whole information about the category of
a product item which is made by the admin. Following table shows menu id, menu name ,
menu link

CHAPTER 6
ADVANTAGES AND LIMITATION

6.1 Advantages
•Massive choice:

This particular point is one of the biggest advantages of online jewelry shopping
and at the same time a disadvantage too. On the other hand choice and diversity means that
you will find what you are looking for, even if you are not very certain what exactly it is
and you will find it at the best possible price, which brings us to the next point

•Competitive prices

Yes, it is logical for the prices to be more competitive online, exactly because of
the massive choice. The convenience of being the only jeweler in town is replaced online,
 by the alternative of being a jewelry shop in enormous "jewelry only" shopping mall with
thousands of jewelry shops next to each other, selling similar merchandise. The online
 jewelry retail stores are ran on very low cost, enabling the merchants to significantly narrow
their markup margins and still make reasonable profit

•Information:

Any information about jewelry, diamonds and precious stones is widely
available on the net and you don't need particular computer skills or a lot of time to obtain
it. Armed with knowledge and ability to compare value for money at the click of the mouse
the online customer is not to be taken for granted. Today's jewelers , whether they like it or
not, will face educated customers, longing for the best value for their hard earned cash.

•Time saving

This advantage of online jewelry shopping is very obvious. The time necessary
to visit an online jeweler, looking for particular piece is an average of 6 minutes if you are
using the assistance of JewelGateway and about 20 minutes otherwise, considering the
search and checking the sometimes surprisingly well positioned irrelevant hits. The time to
visit a conventional jewelry shop depends on many factors, but it will suffice to say that it is
not in the comparable margins

•Convenience

Very much connected to the time topic but there is more. I would like to mention, time taken from work, time taken on weekend (depending on the jeweler's trading hours), making an appointment (and stick to it), driving to and from, looking for parking etc. After all this effort the inventory you will be seeing will be limited in comparison to your online choice. The guidance and advice you will be given will be sale orientated and in most cases not 100% objective

6.2 Disadvantages
•Relatively large amounts paid in advance:

This is one matter with roots in the psychological background of most of us and it takes time to override it. The modus operandi of small scale trade for millennia is to immediately get what you paid for. In jewelry language: you put the ring on your finger, you pay for it and keep it there

•Security of payment and shipping:

The security of your payment is a serious issue and you have to make sure it is
 properly dealt with by checking the security policy of the jewelry merchant. In many cases
though, the merchant is as exposed to fraud, as the customer and even more, since he have
to ship an expensive jewelry before the payment is cleared. The customer have 3 to 7 days
window to cancel the payment, while the shipping is irreversible.

•Impossibility to examine and try on:

A major disadvantage, since very few pieces of jewelry fits well everybody. The
touch of the polished gold or the glitter of a real diamond is impossible to simulate fully on
the web page and thus, lives space for misconception. However this is promptly addressed
with the implementation of proper return policy. A good return policy is one which provides
a 30 day money back guarantee or possibly longer.

•Overchoice:

The advantage of massive and diverse choice in overdose turns into
disadvantage. If you write "diamond ring" in your browser you will get approximately 8
million entries. Not all of them are jewelry merchants but a good deal are, besides how
could one know.

•Impatience and Conservatism:

These personal qualities of some customers, are big disadvantage to the online

jewelry shopping and unfortunately there is no viable strategy to deal with them. My only

advice to the customer in doubt is: Give it a chance. It may turn the hassle and hesitation

into a pleasurable and exciting experience

CHAPTER 7

FUTURE SCOPE

7.1 Future Scope
The scope of the project includes that what all future enhancements can be
done in this system to make it more feasible to us:-

•Databases for different products range and storage can be provided.
•Multilingual support can be provided so that it can be understandable by the
 person of any language.
•More graphics can be added to make it more user-friendly and
understandable.
•Manage & backup versions of documents online

CHAPTER 8

CONCLUSION
While developing the system a conscious effort has been made to create and
develop a software package, making use of available tools, techniques and resources
 – that would generate a proper System While making the system, an eye has been kept on
making
it is user-friendly, as cost-effective and as flexible as possible. As such one may hope that
the system will be acceptable to any user and will adequately meet his/her needs. As in case
of any system development processes where there are a number of shortcomings, there have
 been some shortcomings in the development of this system also. The project is still under
modification.