Software Design Documentation

Project name : E-commerce

Date :

Written by :

Introduction :

1- System Overview :

A jewelry retail and manufacturing operation has a need for an application to manage

their business. This application should be web-based, and able to accommodate various

business functions to handle day-to-day operation. Among the requirements are:

)based on our project idea we are gonna rewrite this overview).

1. Web Based Application

2. Database driven (SQL)

3. Secure

4. Facilitate Retail and Wholesale Operations:

a. Customer Sales

b. Wholesale Sales

c. Process customer payments

d. Accounts Receivable

e. Account Processing

2. Facilitate Back Office Operations:

a. Supply Inventory

b. Product Inventory

c. Shipping

d. Receiving

e. Accounts Payable

f. Scheduling --//اللي مش معانا مش هنكتبه

ARCHITECTURE :

The software will consist of a database, user interface ,web server,

and several APIs:

Database: for example ----//MS SQL Server 2005 Enterprise

Web Server: MS Internet Information Services 6.0(I have no idea what it does)

Code: ASP VBScript (I have no idea what it does)

API: Google Checkout (I think API name or what it does)

API: FedEX

API: UPS

HIGH LEVEL DESIGN

1- Use Case:

There are three possible user roles:

-Guest

This is a visitor without an account. This visitor can browse the “store”, and

request information. Additionally, this user can create an account. However,

until the account is created, this user can not purchase products, or make

payments.

-Registered User

This user inherits all the functionality of a guest, but can also order goods,

check order status, make payments, and change their preferences.

-Administrator

Administration users inherit all functions from the registered user, but can

Also change application settings, manage the store front, order supplies,

perform inventory functions, and accounting.

The use case is as follows:

//this page is for use case diagram

2- Database Design

Database Class Diagram:

//this page is for database diagram

3 Web Server Design

Web Class Diagram:

//this page is for class diagram

LOW LEVEL DESIGN

1- Sequence

Sequence Diagram One – Browse Catalog

//sequence diagram

Sequence Diagram Two – Registered User Login

//sequence diagram

Sequence Diagram Three – Place an Order

Sequence Diagram Four – Manage User Account