E-Post Office

OBJECTIVE:

The e-Post Office is the shopping portal of the world-renowned postal service on the Internet and an additional distribution channel. It sells Stamps, Postcards, Packets, and Cartons and has services like courier, registering for electricity vendors, selling mobile cards, etc. Under this website many products and services can be ordered, that are also available in a "normal" branch. The product prices are identical with the prices of their normal branches.

Purpose of the Project

The Post Office needs to sell Stamps, Postcards & Envelopes to customer living in any part of the world. The website will show all products in categorized manner. Customer can browse any product for its price and other details and can order the product. Orders needs to accompany with shipping & billing details. Customer has to pay order amount online through credit cards. Products can be managed by operators from admin panel. Operator can be created by admin. Admin can keep track of orders through admin panel.

The main purpose of the system is to enable customers to browse and order from any part of the world and hence increasing business scope.

Proposed System

To debug the existing system, remove procedures those cause data redundancy, make navigational sequence proper. To provide information about audits on different level and also to reflect the current work status depending on organization/auditor or date. Required to build strong password mechanism.

Working of the System

The entire scope has been classified into five streams known as: -

Coordinator Level

(Addressing the information management needs of coordinator)

Management Level

(Addressing the information management needs of management)

Auditor Level

(Addressing the information management needs of auditors)

User Level

(Addressing the information management needs of the user group)

State Web Coordinator level

(Addressing the needs of coordinator of the state)

BACKGROUND:

The e-Post Office is expanded permanently through new products and services in order to offer a product portfolio corresponding to the market. Private customer and business customers can order the selected products of the postal service online quickly and comfortably. Besides this, the e-Services offer new flexibility through e-Packet, the PICKUP order for packages over the Internet as well as the online forwarding order and storage order. For the case of the absence or the move, one can let delegate here the after shipment of the postal service at another address or store the letter shipments. The customers can register themselves and can be served individually.

Target groups of customer of the e-Post Office are predominantly little and middle-class business. The customers can have a payment alternative through credit card. In order to use the load writing procedure, the customer registers itself in the e-Post Office and receives a login for its purchases name. You have to develop this website, which captures the above functionality. It is an Internet application.

Problem in Existing System

- The existing system is manual system. Needs to be converted into automated system.
- Risk of mismanagement of data.
- Less Security.
- No proper coordination between different Applications and Users.
- Fewer Users - Friendly.
- Accuracy not guaranteed.
- Not in reach of distant users.

Solution of these Problems

The development of the new system contains the following activities, which try to automate the entire process keeping in view of the database integration approach.

1. User friendliness is provided in the application with various controls.
2. The system makes the overall project management much easier and flexible.
3. There is no risk of data mismanagement at any level while the project development is under process.
4. It provides high level of security with different level of authentication.
5. Users from any part of the world can make use of the system.
6. New system will process accurate results.
7. New system will be much better in performance as compared to existing one.

Scope

This Document plays a vital role in the development life cycle (SDLC) and it describes the complete requirement of the system. It is meant for use by the developers and will be the basic during testing phase. Any changes made to the requirements in the future will have to go through formal change approval process.

FUNCTIONAL REQUIREMENT:

The system after careful analysis has been identified to be presented with the following modules:

This project is divided into 9 modules:

1. **Registration Module**

In this module user has to register if he wants to buy more products and he will order after the registration.

2. **Products Browse Module**

In this module user and admin can browse the product and if user wants to see the information if he is

clicking on the product he will get the information about the product, if admin wants to see the information he can see the information.

3. **Products Search Module**

In this module user and admin can search the product based on the id or name.

4. **Shopping cart Module**

When the user want to buy any product he has to click on the button-shopping cart when he is click on the shopping card button that product will be added in the other page then he can buy the product.

5. **Shipping & Billing Module**

In this module if user wants to buy the product then he has to give the information about him in the form of shipping or billing details. Shipping details is nothing but where he wants the product to be sent. Billing details is nothing but where the bill should be send to user.

6. **Payment Module**

In this module user has to give his credit or debit card information and then he has to give his pin no.

7. **Admin User Management Module**

In this module admin will manage the entire product if he wants to add the product he will add the products. And he will delete the product or update the product from the list given by him.

8. **Admin Catalog Management Module**

In this module admin will see all the information about the product sold on the customer and the customer information.

9. **Admin Order Management Module**

In this module he can manage the user maintenance management, category maintenance management, product maintenance management, he can generate the reports.

Entities Involved in the Project:

1) Customer
2) Product
3) Website Administrator
4) Operator
5) Order

Customer: The target user of the system. A Customer is responsible for registering them to the site, browsing site, placing orders and making payments.

Product: Product is the entity, a customer looking for. A Product will be sold to the customer.

Website Administrator: An entity responsible for managing users, roles and roles privileges.

Operator: Operator is a person (entity) responsible for managing products and orders.

Order: Order is an entity which describes the business transaction.

NON-FUNCTIONAL REQUIREMENT:

Scalability and Availability: ASP.NET has been designed with scalability in mind, with features specifically tailored to improve performance in clustered and multiprocessor environments. Further, processes are closely monitored and managed by the ASP.NET runtime, so that if one misbehaves (leaks, deadlocks), a new process can be created in its place, which helps keep your application constantly available to handle requests.

Enhanced Performance: ASP.NET is compiled common language runtime code running on the server. Unlike its interpreted predecessors, ASP.NET can take advantage of early binding, just-in-time compilation, native optimization, and caching services right out of the box. This amounts to dramatically better performance before you ever write a line of code.

Manageability: ASP.NET employs a text-based, hierarchical configuration system, which simplifies

applying settings to your server environment and Web applications. Because configuration information is stored as plain text, new settings may be applied without the aid of local administration tools. This "zero local administration" philosophy extends to deploying ASP.NET Framework applications as well. An ASP.NET Framework application is deployed to a server simply by copying the necessary files to the server. No server restart is required, even to deploy or replace running compiled code.

Customizability and Extensibility: ASP.NET delivers a well-factored architecture that allows developers to "plug-in" their code at the appropriate level. In fact, it is possible to extend or replace any subcomponent of the ASP.NET runtime with your own custom-written component. Implementing custom authentication or state services has never been easier.

Security: With built in Windows authentication and per-application configuration, you can be assured that your applications are secure.