

Web Based Shoppers' Catalog

Project Documentation Submitted

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Declaration

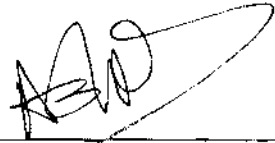
This is certified that the accomplished project was done by us under CSE499 Computer Science and Engineering project and it has not been submitted else where for the requirements of any degree or diploma or any other purpose.




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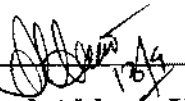


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Abstract

Web Based Shoppers' Catalog is a web based solution that facilitates the shop owners to extend their business with very less effort and creates opportunities for the shoppers to do shopping sitting at home. This software helps shop owners to create a website which demonstrates their product catalog. Shop owner can customize their website, edit their profile, update and upload their product information that can be viewed by shoppers.

Shoppers can get information about different shops, view various products uploaded by the shop owners and can order product from their home. Customers can create account that maintains customer's information.

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Chapter 1

Introduction

1.1 Introduction

Web Based Shoppers' Catalog (WBSC) is software where shop owners and customer both will get benefits. Shop owner upload their product information to their own catalog and customer can view all product information.

The goal of this software is to help shop owners to create catalog without any cost. Shoppers can access shop information and also product information. In that catalog they can edit their profile, update their information, update their product information and upload products for viewing products to customer.

Customer can also registrar their name and information for ordering product. They can edit and update their profile. Customer can view the catalog created by shop owners and choose product information

1.2 Purpose

The purpose of the project is as follows:

- Shop owners registrar their shop to this site for free
- They create their own catalog
- They edit their profile
- Update profile and upload product information
- Customer can registrar their information
- Update and edit profile
- They view all product information
- They can order product online

1.3 Scope

The Web Based Shoppers' Catalog is very helpful for shop owners and customers. This project has more comprehensive specification of future functionality that may be added by the developers or by the users. Only those requirements that are apparent at the time of this writing are included in this particular draft of the specifications document; future revisions may include extended or additional requirements that are added as the design of the final product's functionality becomes clearer and will provide more facilities to users.

1.4 Advantages of the project

The advantages of this software are as follows:

- Shoppers can easily create the catalog without knowing the programming language.
- Shop owner can update, edit and upload their product.
- Shoppers' can get product information from their site.
- Customer can order or purchase product online.
- Only two step to complete a catalog.
- Customer can add the product to their shopping cart easily.
- Customer can update and edit their profile easily.

1.5 Business Case

Now a day's internet use is growing rapidly in Bangladesh and it is the main information technology. Even we can use internet through our mobile. So it is very helpful for users to use our software.

Shoppers can registrar this site and create their own catalog without any cost to edit, update and upload shop and product information. Using this software shop owners can advertise their product and post special offers to their customers.

Customers can also registrar themselves to make an order of the product. Customer can view shop information, browse products and be notified about special offers and can compare prices of the products. Once they registrar to the system they can purchase products without physically going to the shop.

Chapter 2

Requirement Specification

2.1 Introduction

The requirement specification itself states in precise and explicit language those functions and capabilities a software system must provide, as well as states any required constraints by which the system must abide. The requirement specification also functions as a blueprint for completing a project with as little cost growth as possible. The specification is often referred to as the "parent" document because all subsequent project management documents, such as design specifications, statements of work, software architecture specifications, testing and validation plans and documentation plans are related to it.

2.2 Overall Description of WBSC

Web Based Shoppers Catalog is committed to work in a transparent and non-partisan manner for the support and assistance of the users. We have created some options both for shop owners and shoppers.

The intended Web Based Shoppers' Catalog (WBSC) would be a web based solution on the top of PHP and MySQL as the backend database. WBSC will provide the following key functions:

- Customers Profiling at any point of stay within WBSC
- Registrar shop owner name and information
- Choose catalog design
- Automated catalog creation
- Edit and update profile
- Upload product information
- Registrar customers information
- Follow-up of the customers
- Extensive Search options
- Add product to shopping cart.
- Customized reports generation
- Data back-up and restore

2.3 Functionality

The functional requirements of the Web Based Shoppers' Catalog (WBSC) directly follow from qualities specified by the users. To this end, most of the

requirement items have been to characterize the functional unit. A comprehensive listing of the functional requirement items follows.

The functionalities of total system are shown in below by use case diagram and activity diagram.

2.4 Use case Model

The following figure is the Use Case Model

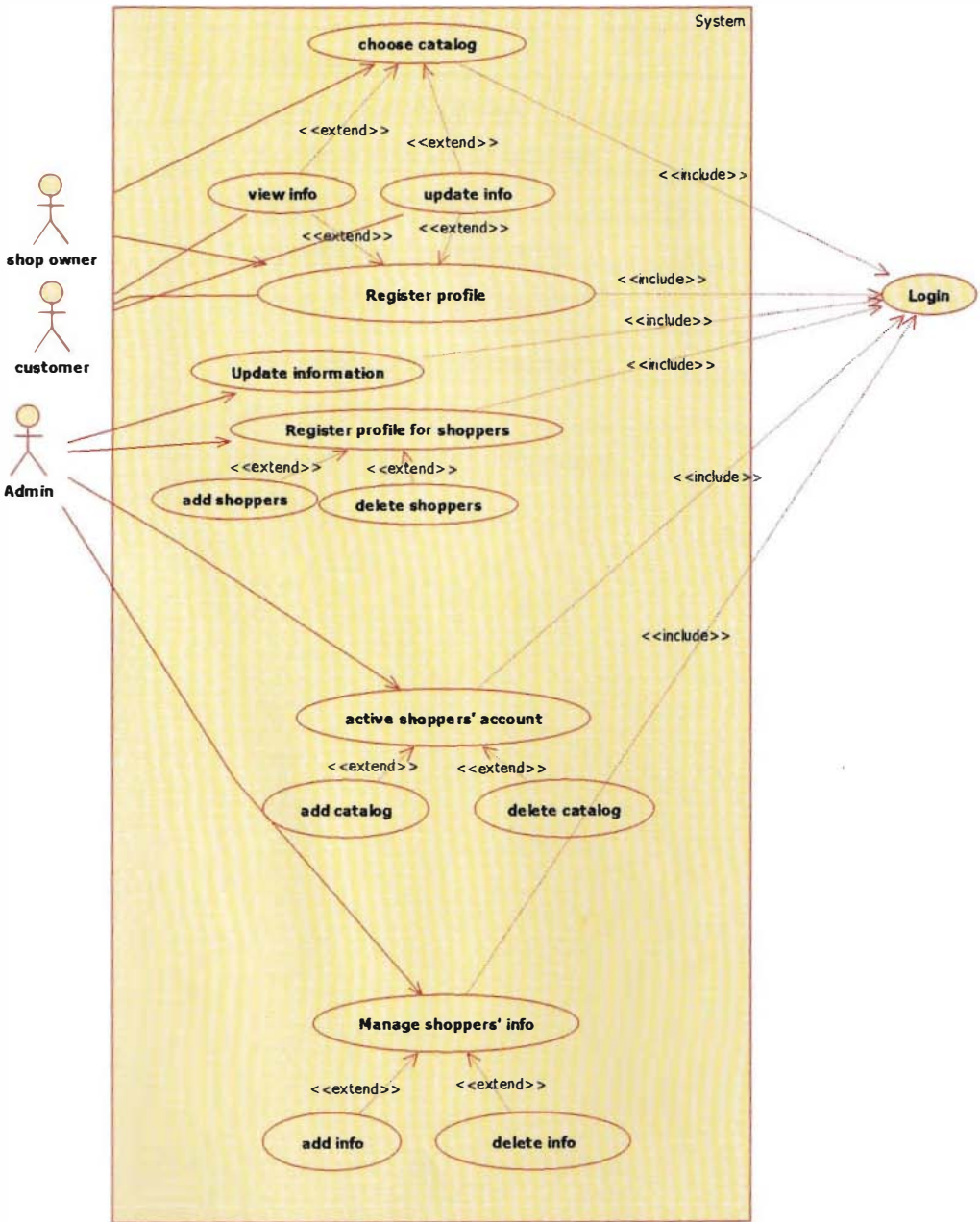


Fig 1: Use Case Model

own in the figure 1: the use case model describes-

	Description
er name	Name to be add to database
r address	The address to be add to database
ny name	Name of the company
er name	Customer name for registration
er address	Address of customer for registration
address	Email address added to database
	Catalog type and color
ation	Edit, delete and update information

2.4 Activity diagram

2.4.1 The Activity Diagram of Login

The following figure shows activity diagram of Login

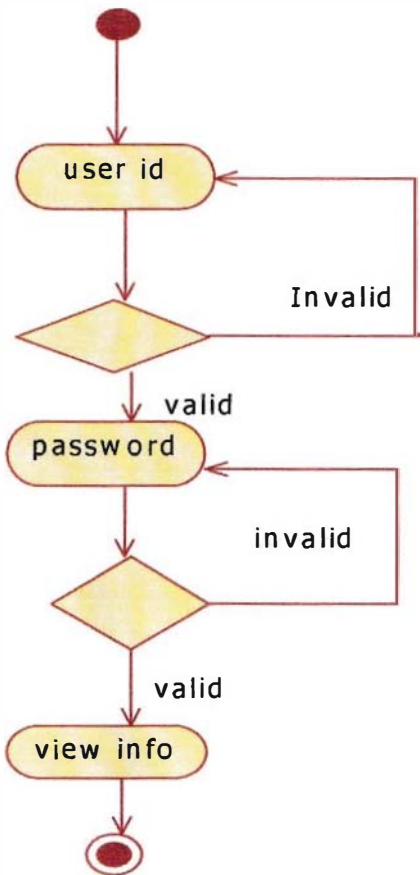


Fig 2: Activity Diagram of Login

As shown in the figure 2 user will enter id and it will check validity. Then user will enter password and again check validity. Then user can view the product information.

4.2 Activity Diagram of Select Catalog

The following figure shows activity diagram of select catalog

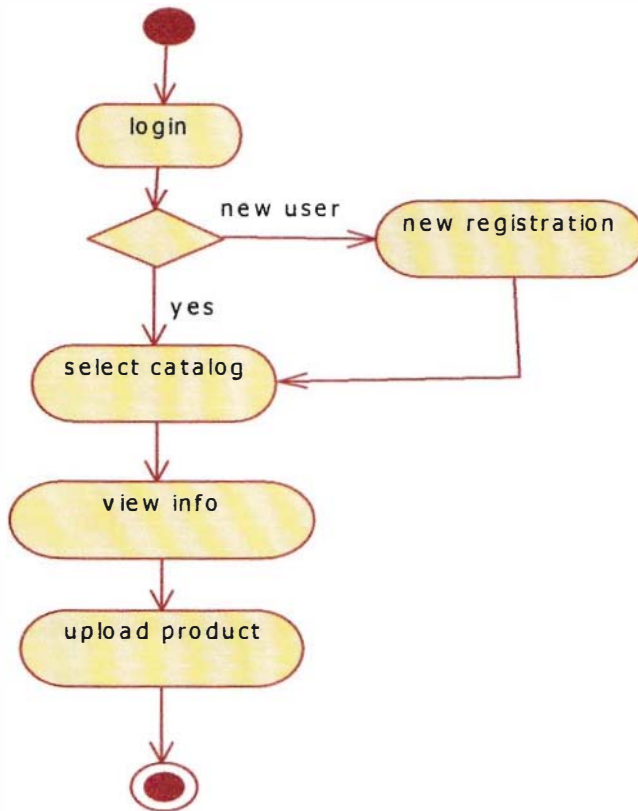


Fig 3: Activity diagram of select catalog

As shown in the figure 3 user will login to view the catalog. New user will register to access account. After creating catalog shop owner will upload their product.

4.3 Activity Diagram of Upload Product

The following figure shows activity diagram of upload product

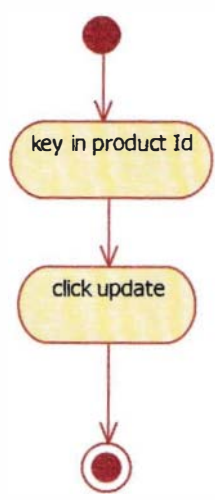


Figure 4: Activity Model of the upload product

As shown in the figure 4, user will enter the product id and click the update button.

Chapter 3

Design Specification

1 Introduction

The Software Design Specification focuses on specifying a high-level view of the architecture of our system and on the interaction between the user and the system. It also focuses on detailing a low-level view of each component of the software and how the components interact with each other.

This document's purpose is to provide a high-level design framework around which to build our project WBSC. It also provides a list of requirements against which to test the final project and determine whether we were able to successfully implement the system according to design.

1.2 System Architecture

The overall system architecture is as follows

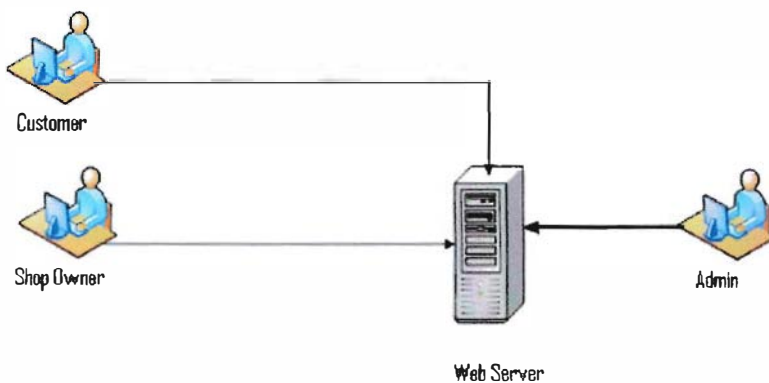


Figure 5: WBSC System Architecture

The Web Based Shoppers' Catalog (WBSC) system architecture shown in fig. 5 is plug-able component architecture. The different modules are created gluing the related functionality and interfaces together.

3.3 Context Flow Diagram

The following figure is the Context Flow Diagram

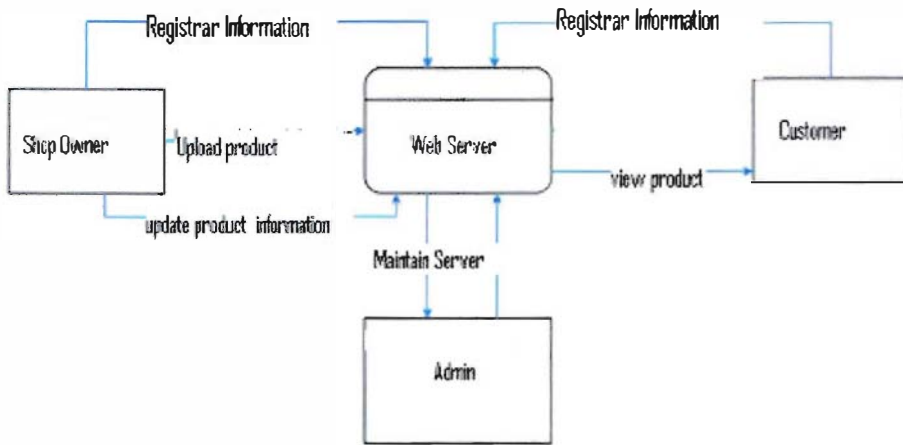


Fig 6: Context Flow Diagram

4 E-R Diagram

The following figure shows E-R diagram

E-R Diagram

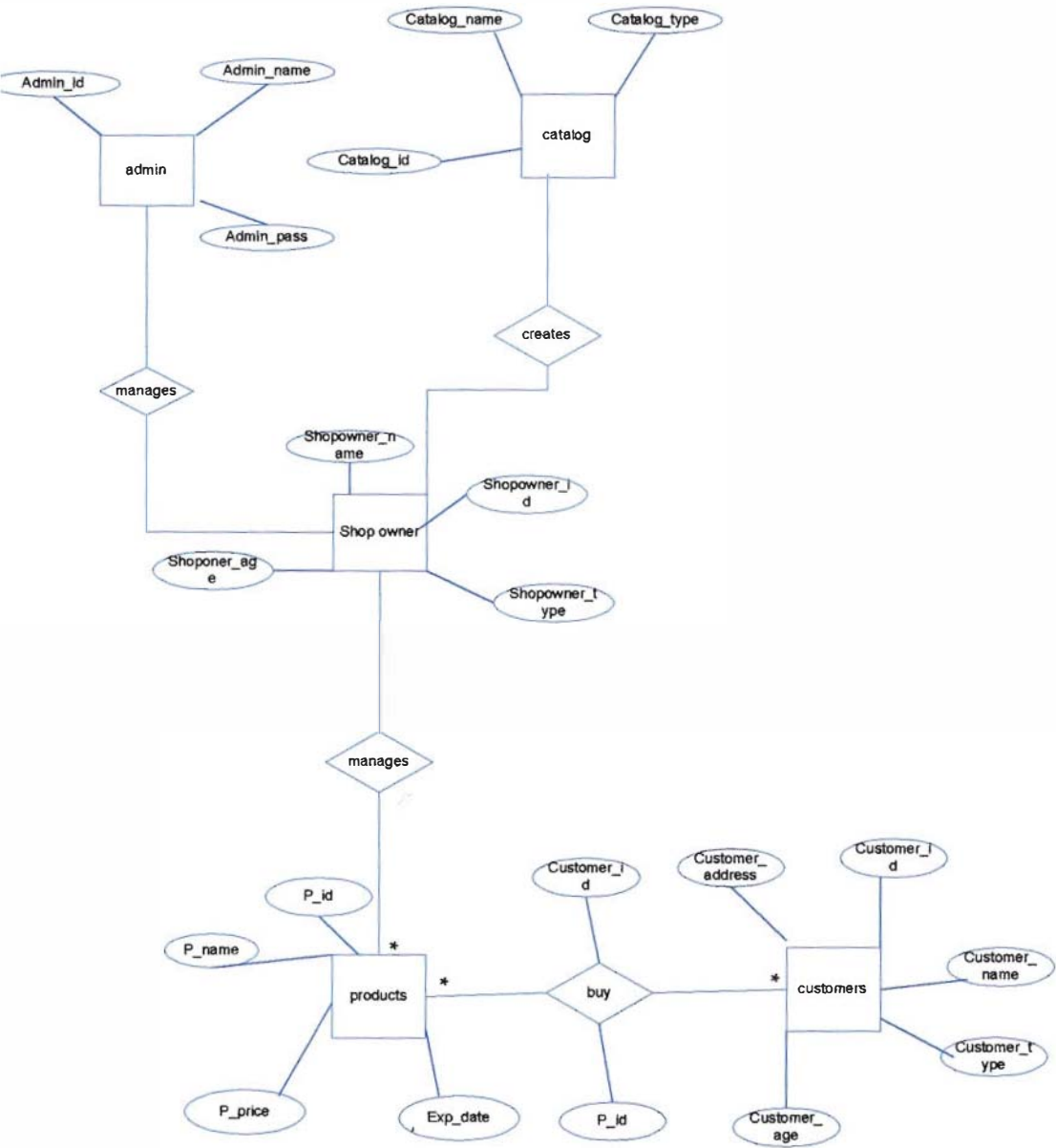


Fig 7: E-R diagram

As shown in the figure 7 in the E-R diagrams there are five entities: Customer, product, shop owner, admin and catalog. It has week entity buy. Customer id is the primary key of the entity customer. Product id, catalog id and shop owner id is the primary key and buy has two foreign key customer id and product id.

.5 Graphical User Interface

The User Interface (UI) is designed based on the different data forms gathered during the requirements.

.5.1 Graphical User Interface to View Information

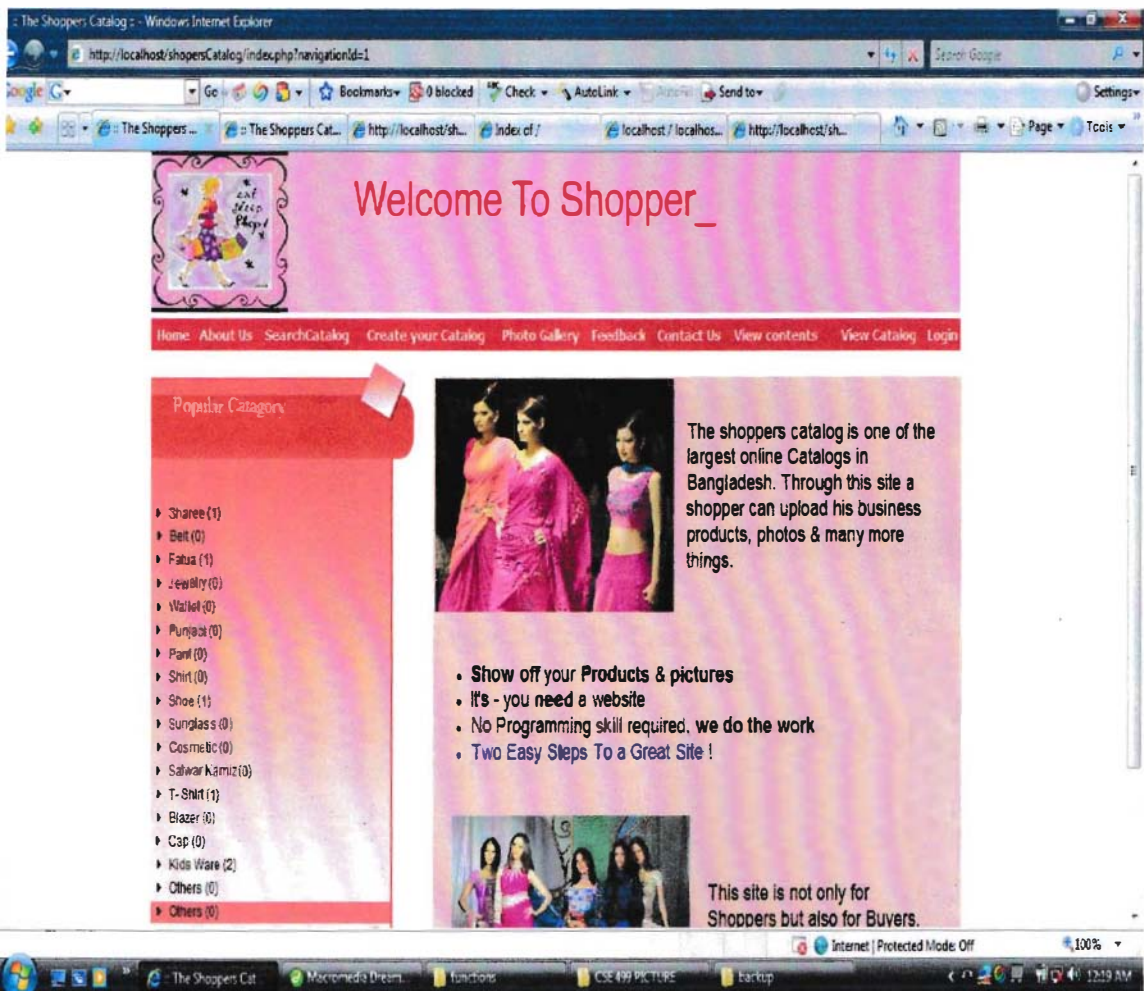


Figure 8: Home page

As shown in the figure 8, home page provides all type of information and instruction to shoppers. Shoppers' will select their own options from it.

3.5.3 Graphical User Interface to Select Catalog

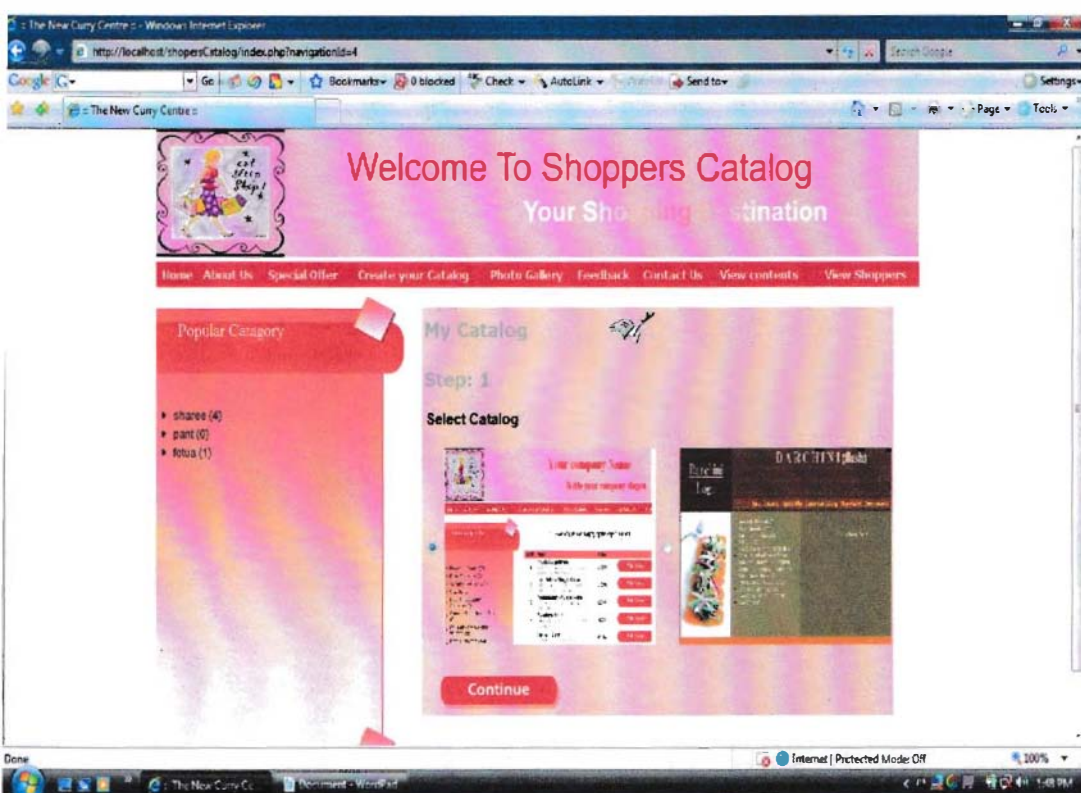


Figure 10: Select Catalog

As shown in the figure 10, user can select one option between 2 choices and then presses continue.

3.5.4: Graphical User Interface for the Final step of Shop Catalog Creation

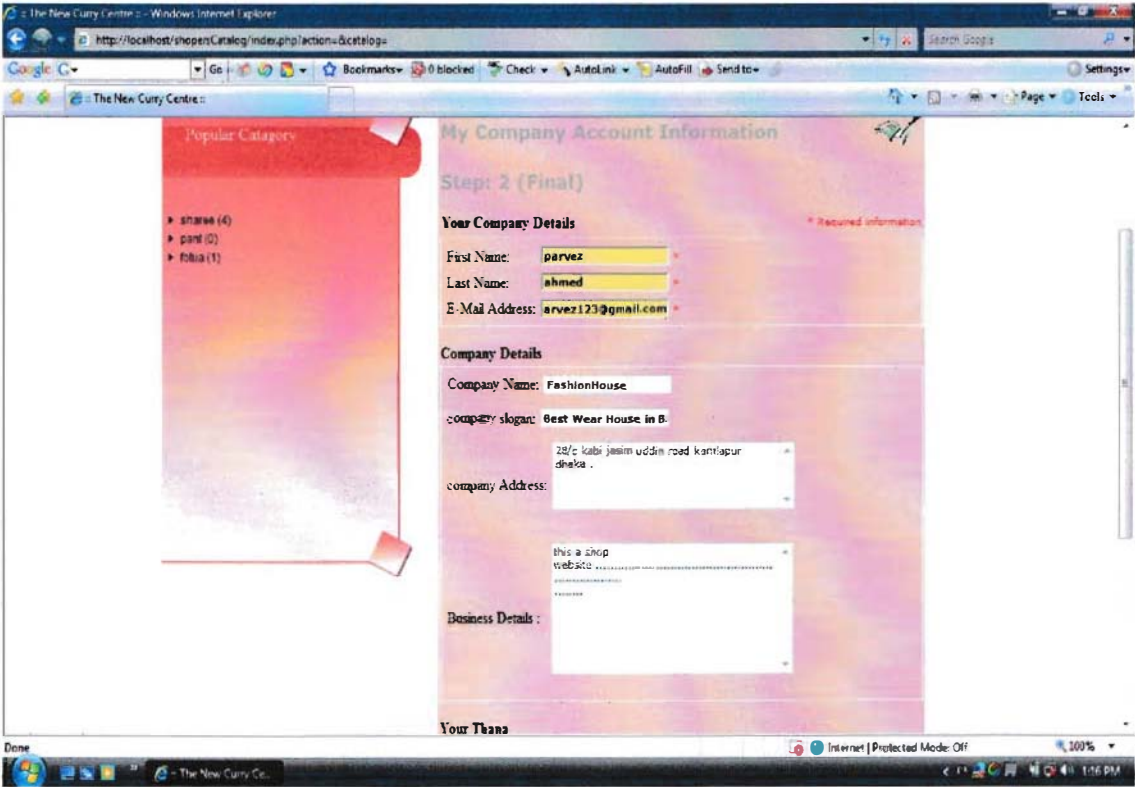


Figure – 11: Registration page

As shown in the figure 11, shop owner will enter first name, last name, email address, company name and company address to registrar.

3.5.5 Graphical User Interface of Confirmation page

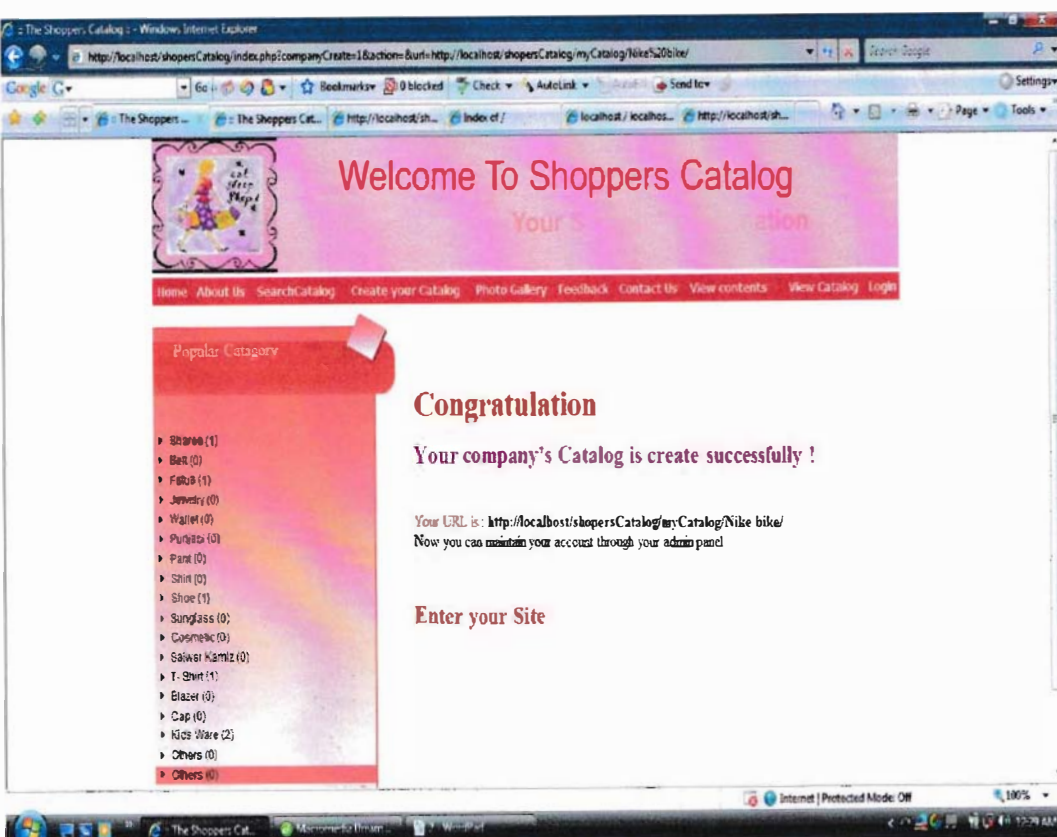


Fig 12: Confirmation page

As shown in the figure 12, user gets the confirmation message during catalog creation.

3.5.6 Graphical User Interface for Login page

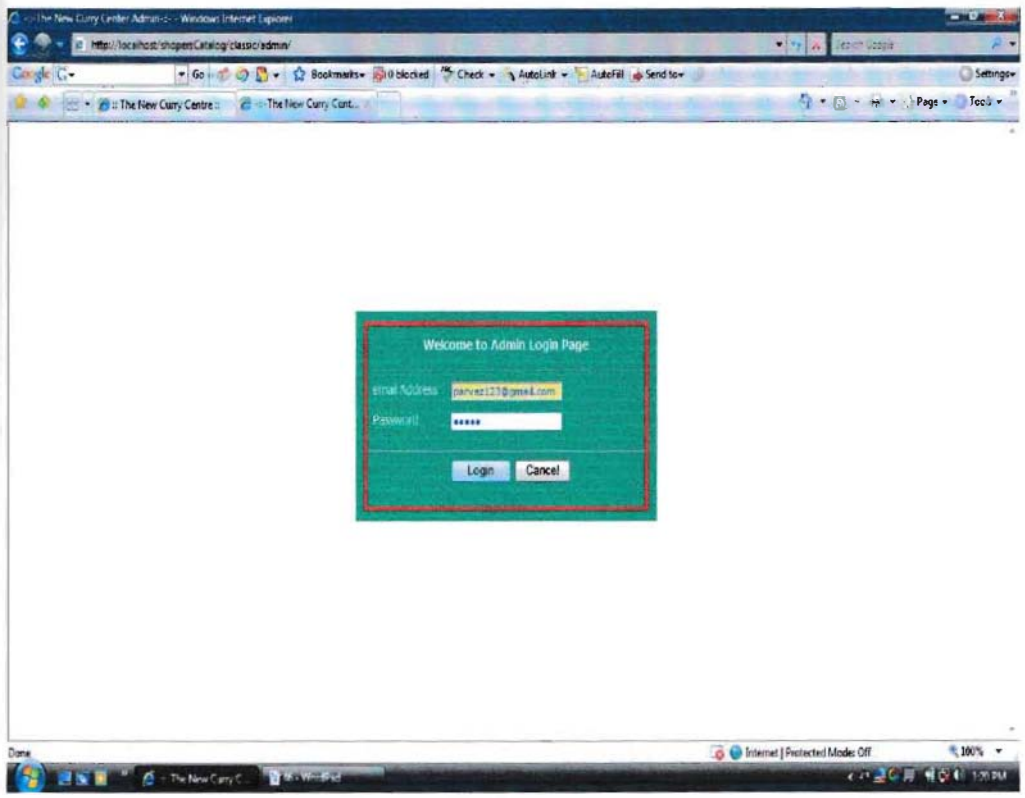


Figure – 13: Interface of login Page

As shown in the figure 13, user will enter the email address and password to access their account.

3.5.7: Graphical User Interface to View Product

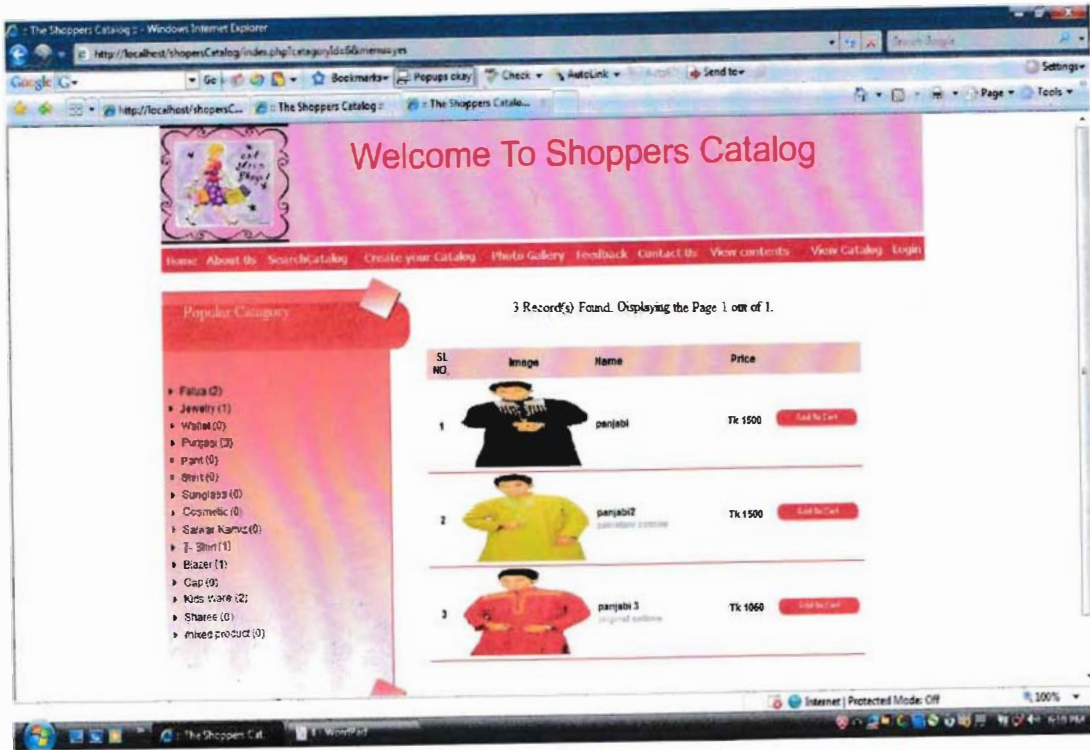


Figure 14 – Graphical User Interface to View Product

As shown in figure 14, user can view all products added by the shop owner.

3.6.8: Graphical User Interface of Shopper's Shopping Cart

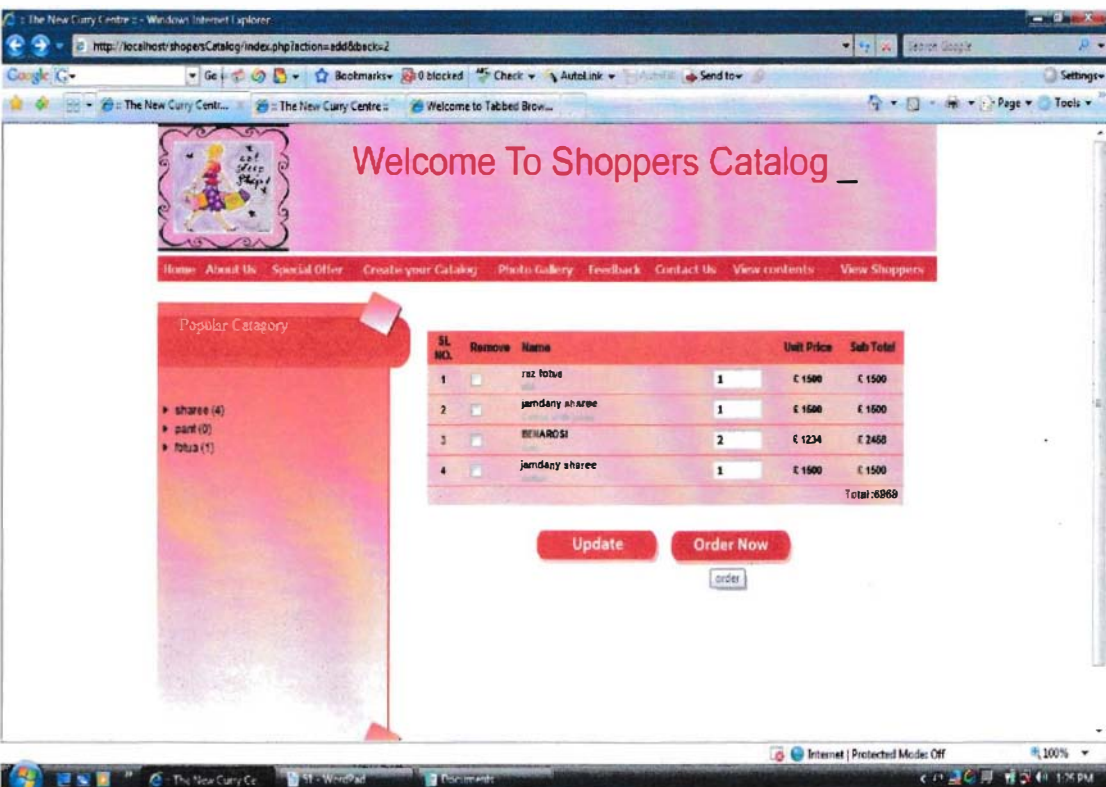


Figure – 15: Shopping Cart

As shown in the figure 15, customers can add product to their shopping cart.

3.5.9 Graphical User Interface for Shoppers' Login page

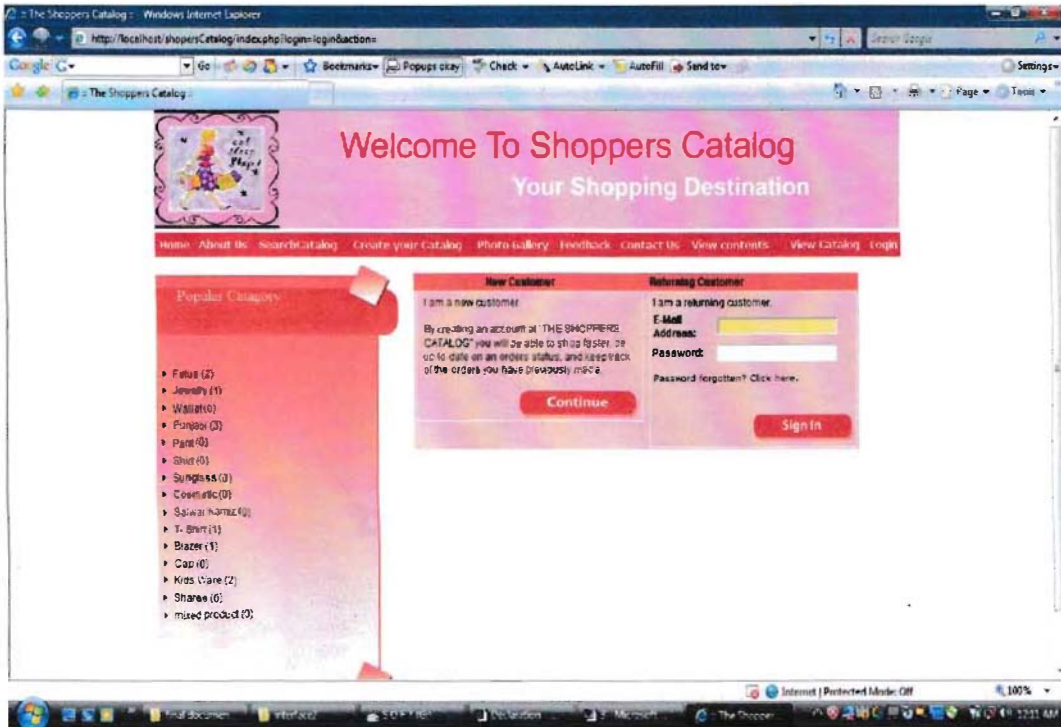


Figure – 16: Login page

As shown in figure 16, customer has to enter their email address and password to access their account. New users can also create their account.

3.5.10 Graphical User Interface to Show User information

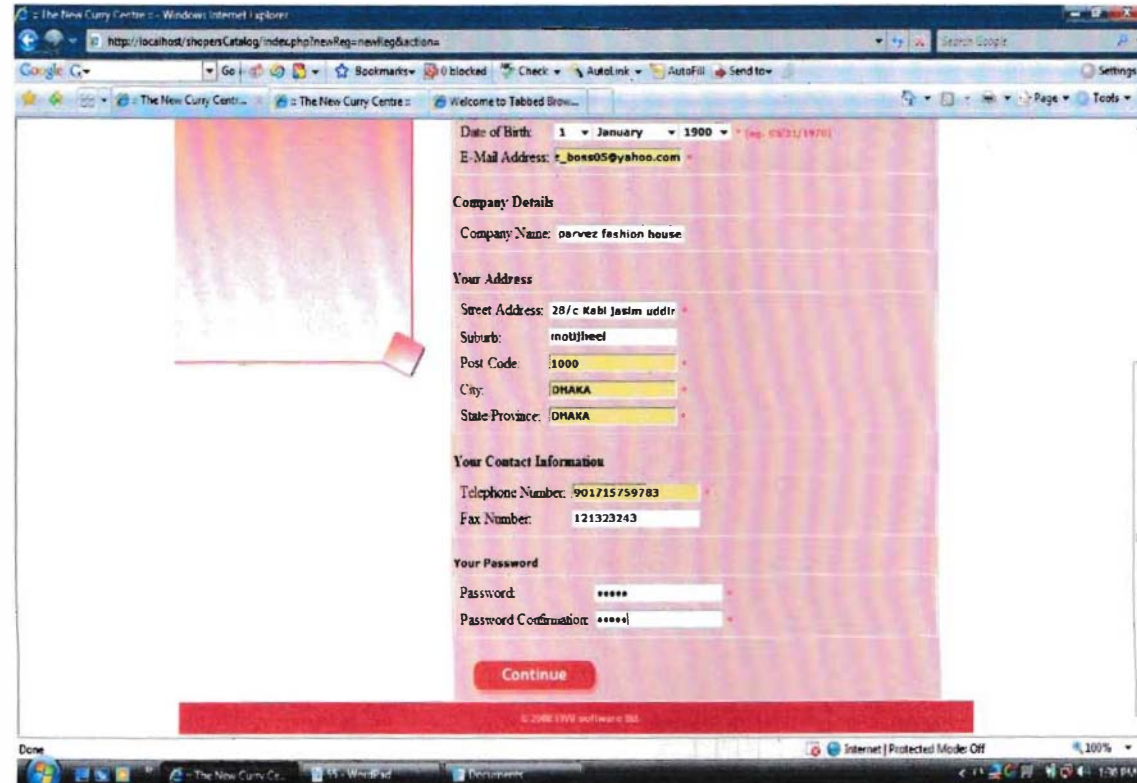


Fig 17: user information

3.5.11 Graphical User Interface for Confirming catalog creation

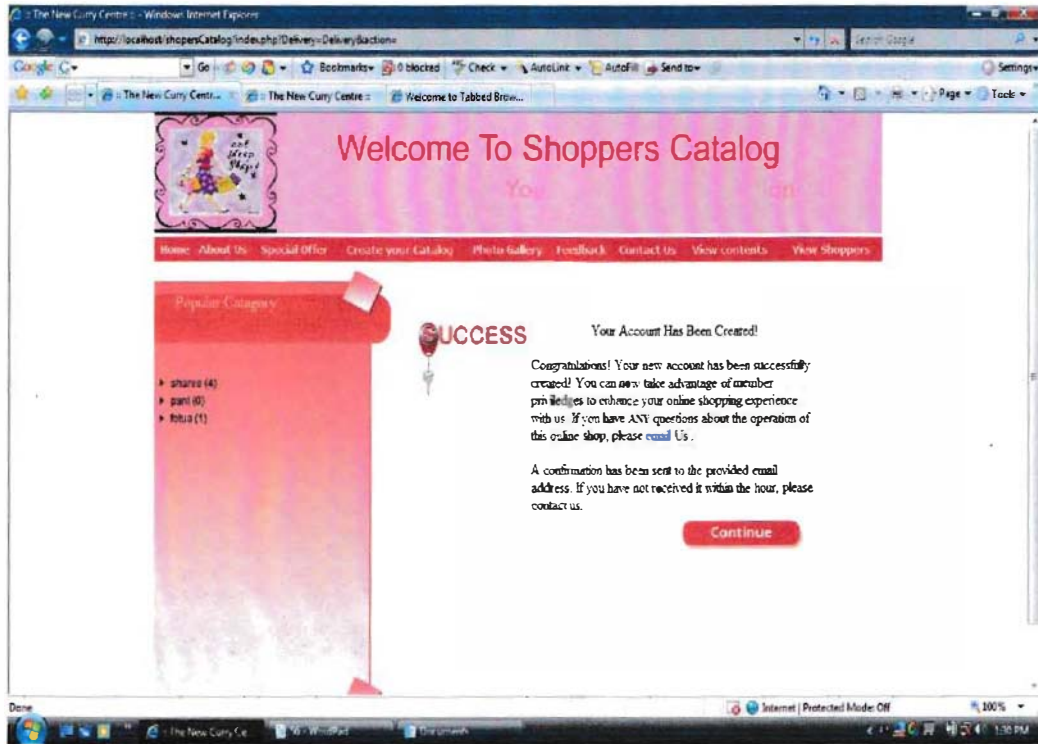


Fig 18: Confirmation of creating catalog

As shown in the figure 18, confirmation message of account creation is shown after successful account creation.

3.5.12 Graphical User Interface to View all Catalogs

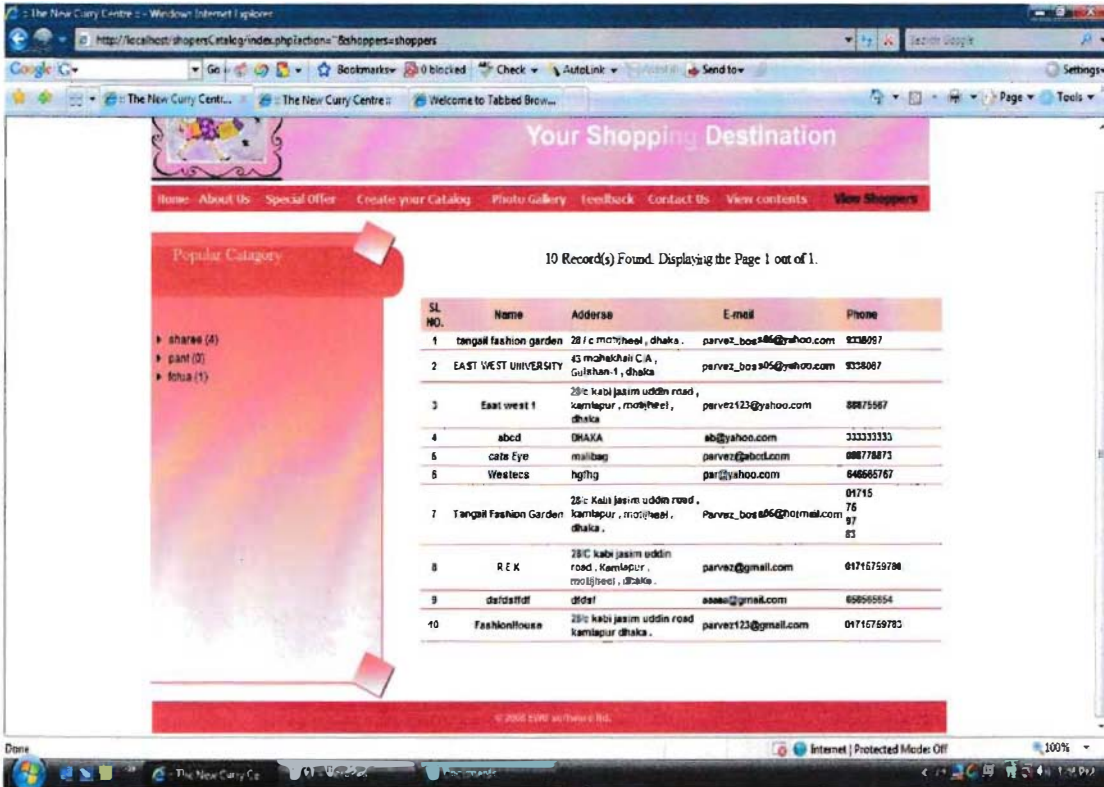


Fig 19: View created catalog

As shown in the figure 19, all created catalogs can be viewed.

3.5.13 Graphical User Interface for Admin

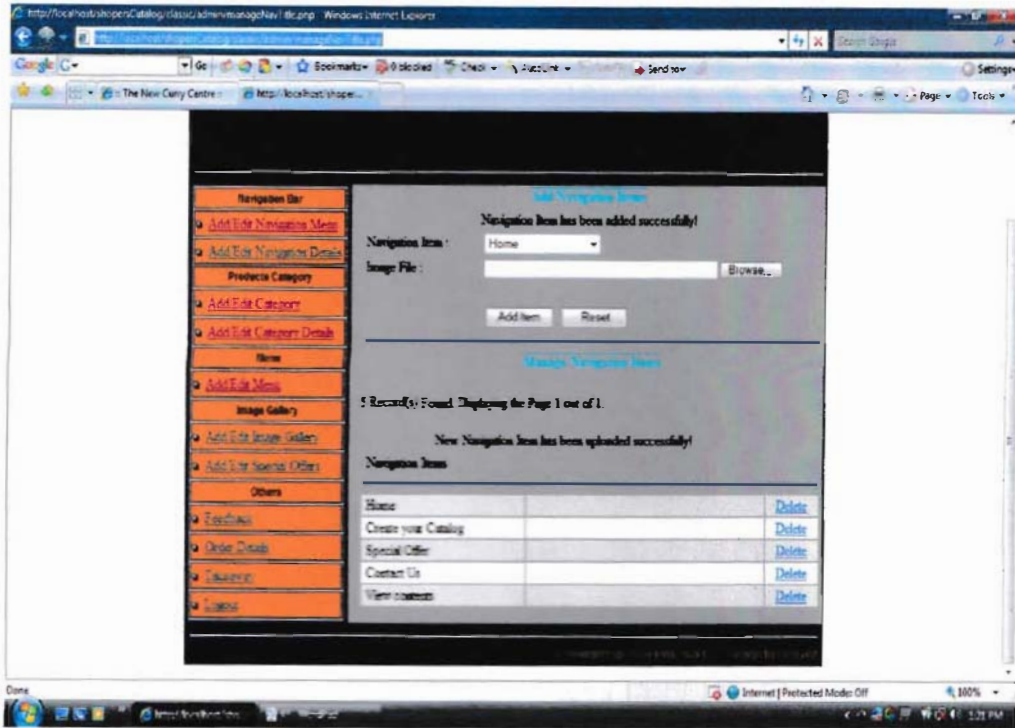


Fig 20: Admin page

As shown in the figure 20, shoppers can add options to catalog. Home, navigation bar are also added from this admin page. Customer can get information from this page.

Chapter 4

Implementation and Testing

4.1 Introduction

Testing phase will finalize the Web Based Shoppers' Catalog (WBSC) life cycle and the target solution will be taken for the dry run. This phase will carry out functional test of different application modules and processes based on functional specification.

4.2 Implementation

We gathered all requirements for the Software and then collect the information for the software. After that we analyze the gathered requirements and start design the Software. After the completion of the analyze we start PHP, JavaScript and MySQL programming for developing the software and then run the software on the server.

4.3 Testing

Exhaustive test for the project is not possible .That is why we test our project on a single PC on the web server. At first we registrar our information and then we can create catalog from the project easily.

A functional specification often describes the external view of an object or a procedure indicating the options by which a service could be invoked. The testers will use this to write down test cases from a back box testing perspective.

The functional specification will be used so that the test generation activity could happen in parallel with the development of the code. This is ideal from several dimensions. Firstly, it gains parallelism in execution, removing a serious serialization bottleneck in the development process.

By the time the software code is ready, the test cases are also ready to be run against the code. Secondly, it forces a degree of clarity from the perspective of a designer and an architect, so essential for the overall efficiencies of development. Thirdly, the functional specifications become documentation that can be shared with the customers to gain an additional perspective on what is being developed.

4.4 Installation and Deployment

The Web Based Shoppers' Catalog (WBSC) solution will be configured and necessary transformation will be made from existing data model to the solution platform. The necessary prerequisite condition will be meeting and Web Based Shoppers' Catalog (WBSC) will be installed in the designated servers and will be tested with the data.

Chapter 5

Conclusion

5.1 Conclusion

Our software is helpful for shop owners can create catalog by using our software and customer get information and order product without physically going to shop. We have succeeded to implement the software on web based shoppers' catalog. The user can create catalog by using our software. User can easily install our software and can also use it easily. They can also upload their product. Customer can get the product information from this website easily. Though we have some limitations we tried to provide easy instructions to users.

5.2 Further Scope

In our future plan we will create more types of catalog that shopper can choose and also can change their catalog. We will include some options to maintain the order form provide by customers. If further any new concept comes to our mind we will include those immediately to our software.

5.3 References

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