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Online Bookstore Web Application for Governors State University

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Online Bookstore Web Application
For
Governors State University

By

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Project

Governors State University
University Park, IL 60466

2010

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1)INTRODUCTION

The **Online Bookstore** is a full-scale; enterprise level application which shall be built with ASP.NET web technologies and Microsoft Office Access database. It is a fully functional online store that you may use as a framework to create an expanded system. In this bookstore you can find a wide variety of books depending on the category we select. And also there is a feature such as Advanced search inorder to get a particular book of our choice based on title, author, category or price tag.

The Application includes the following features:

- User Registrations
- Product Voting
- VeriSign Payflow Link integration
- Categories
- Shopping Cart
- Administration of Members
- Administration of Orders.
- Administration of Items.
- Administration of Categories
- Administration of Credit Card Types

2)The following are the primary features of Online Bookstore:

- Search for All categories of books based upon our choice with the help of search engine.
- There is Advanced Search engine in More Search Options inorder to find the appropriate book based on Title, Author, Category and Price range tags of the individuals choice.

- There are different hyperlinks of categories like Programming, Databases and HTML & Web design in Categories where we can find respective types of books.
- Also we show you some books with all the details like Title, Author, Price based on the rating given by the customers at Recommended Titles section.
- Multiple authors books are shown in a different frame named as What We're Reading.
- The latest book in market is shown in New & Notable
- The latest and popular books are shown in This Week's Featured Books.
- Also there are Weekly Specials like free shipping if anyone purchases books of worth \$40 or more.
- Any member can register online and it takes only few steps for registration, and one has to give the credit card type and card number while registering and once registered the members details will be stored and they have to Sign In in order to purchase the books.
- Customers can view the ratings and are free to rate any book.
- Customer can select the book and give the number of books in quantity and Add to shipping cart and view the user details and items and can confirm his purchase.
- If the customer is not willing to purchase at that point of time then when he signs in back again with his id and password he can view all the selected items in the past.
- Administrator can view, edit, update and delete the Members, Orders, Items, Categories and Credit Card Types.
- Powerful and reliable Microsoft office access data storage

SOFTWARE AND HARDWARE REQUIREMENTS

3)Client Software Requirements:

Operating System: Windows 95 with COM/DCOM library installed, Windows 98, Windows NT 4.0 SP , Windows 2000/XP, Windows Vista, Windows 7. Microsoft Word 2007 .

Web Browser: Microsoft Internet Explorer 6.0 or later.

Server Software Requirements:

Server OS: Windows 2003

Web server: IIS

FRONT END: ASP.NET (asp.net and c-sharp)

BACK END: Microsoft Office Access

4)Hardware Requirements:

Client: Pentium II-300 or higher, (PIII-450 recommended), 64 Mb RAM, 30Mb free hard drive space.

Server: Pentium III-450 or higher, (PIII-600 recommended), 128 Mb RAM, 150 Mb free hard drive space.

5)Database

The database used for Online Bookstore is Microsoft Office Access and it contains the following tables.

Members Table:

	member_id	member_lo	member_pa	member_le	first_name	last_name	email	phone	address	notes	card_type
+	7	admin	admin	2	Administrator	Account	admin@localh				
+	14	guest	guest	1	Guest	Account	guest@localho				
+	15	jayaram	gudapati	1	jayaram	gudapati	gudapatijayara	972-467-7284	milwaukee		
+	16	rajesh	rajesh	1	rajesh	d	rajesh@gmail.i	7654321	milwaukee		
+	17	Gudapati	jayaram	1	Jayaram Rayud	Gudapati	gudapatijayara	972-467-7284	Rivershire Apts		
+	18	ravi	ravi	1	ravi	ravi	ravi@gmail.coi	7654321	wisconsin		
*	(New)			1							

Orders Table:

order_id	member_id	item_id	quantity	Add New Field
1	15	18	1	
2	7	22	1	
3	15	18	1	
4	15	24	1	
5	14	18	1	
6	14	15	1	
7	14	15	1	
8	15	1	1	
9	15	18	1	
10	15	19	1	
11	15	19	1	
13	16	1	1	
14	17	1	1	
15	17	22	1	

Items Table:

item_id	category_id	author	price	product_url
1	2	Jim Buyens	39.99	http://www.amazon.com/exec/obidos/ASIN/
2	1	Larry Wall, Tom Christiansen, Jon Orwant	39.96	http://www.amazon.com/exec/obidos/ASIN/
15	1	Elizabeth Castro	15.19	http://www.amazon.com/exec/obidos/ASIN/
16	2	Paul DuBois	39.99	http://www.amazon.com/exec/obidos/ASIN/
17	1	Luke Welling, Laura Thomson	39.99	http://www.amazon.com/exec/obidos/ASIN/
18	1	Wade Maxfield	23.99	http://www.amazon.com/exec/obidos/ASIN/
19	2	Randy Jay Yarger, George Reese, Tim King	27.96	http://www.amazon.com/exec/obidos/ASIN/
20	3	David J. Emberton, J. Scott Hamlin, David Emberton	36	http://www.amazon.com/exec/obidos/ASIN/
21	1	Tobias Ratschiller, Till Gerken	36	http://www.amazon.com/exec/obidos/ASIN/
22	2	John Kaufman, Thearon Willis, David Buser, Kevin Spencer, kauffman, John Ka	39.99	http://www.amazon.com/exec/obidos/ASIN/
23	2	Bradley D. Brown, Brad Brown	41.99	http://www.amazon.com/exec/obidos/ASIN/
24	1		27.96	http://www.amazon.com/exec/obidos/ASIN/
25	1	Duane K. Fields, Mark A. Kolb	35.96	http://www.amazon.com/exec/obidos/ASIN/
26	1	Wrox Multi Team	47.99	http://www.amazon.com/exec/obidos/ASIN/
27	1	Arman Danesh, Kristin Aileen Motlagh, Kristin Motlagh	39.99	http://www.amazon.com/exec/obidos/ASIN/
28	1	Charles Mohnike	31.99	http://www.amazon.com/exec/obidos/ASIN/
29	1	T. C., III Bradley	19.99	http://www.amazon.com/exec/obidos/ASIN/
30	1	David Buser, Chris Ullman, Jon Duckette	31.99	http://www.amazon.com/exec/obidos/ASIN/
31	3	Jennifer Niederst, Richard Koman	23.96	http://www.amazon.com/exec/obidos/ASIN/
32	3	Elizabeth Castro	15.99	http://www.amazon.com/exec/obidos/ASIN/
33	3	Richard Schwartz, Kris Jamsa, D. Runnoe Connally	39.95	http://www.amazon.com/exec/obidos/ASIN/
34	1	Burton Harvey, Simon Robinson, Julian Templeman, Burt Harvey, Karli Watson	34.99	http://www.amazon.com/exec/obidos/ASIN/

Editorials Table:

article_id	editorial_cat	article_title	article_desc	item_id
1	1	A Sharp Combination	To get inside C#, Microsoft's new OO programming language	34
2	2	1001 Web Site Construction Tips and Tricks	39.95	33
4	3	Flash 4 Magic	If you're right in the middle of learning (or just jumping in)	20
5	4	Free Shipping on all orders over \$50. For limited time only, until next Sunday, you can enjoy		

Editorial Categories Table:

editorial_cat	editorial_cat_name
1	What
2	New
3	Weekly
4	General

Categories Table:

category_id	name
1	Programming
2	Databases
3	HTML & Web design

Card_Types Table:

card_type_id	name
1	Visa
2	American Express

6)Design:

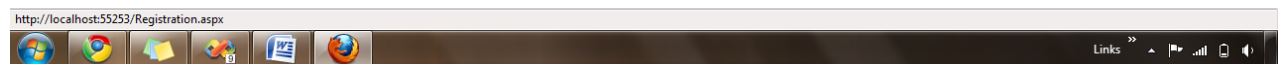
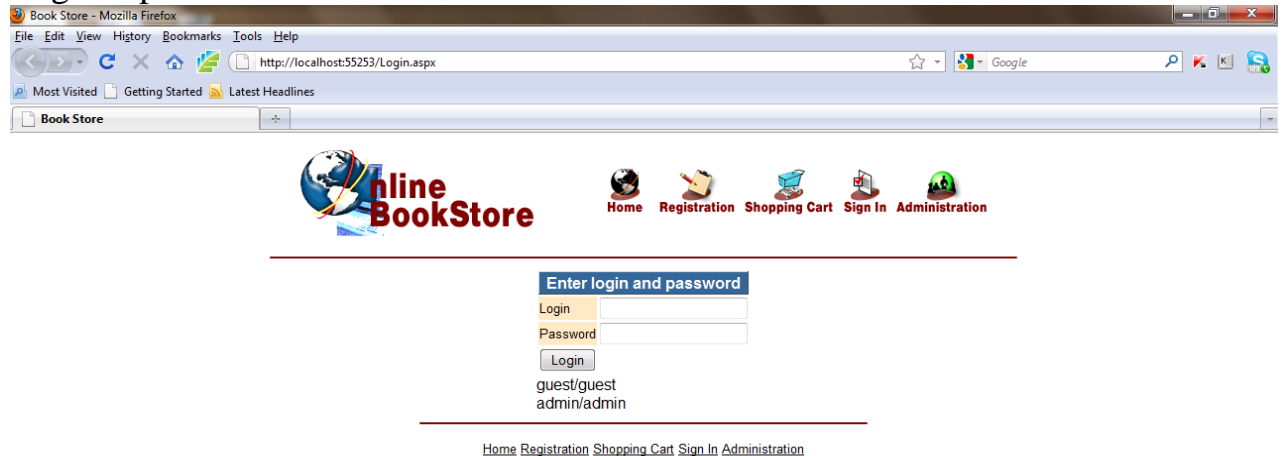
The Online bookstore application is designed using the ASP.NET and the application is implemented in three layers: a data layer, a business layer, and a presentation layer.

Walk-Through:

To get a feel for the application, you can walk through it as if you are a new customer purchasing a book and checking on the order status of your new order.

7) Enter Web Site

Login.aspx



The browser takes you to the login page as it is set as startup page for the application. Here If we are already a member we can sign in and go further if we are not then we need to register account. So to register a new account we need to click registration.

8) Create New Account

The user details such as login, password, firstname, lastname, email, Address, phone, credit card type and credit card number are given here. And the user can register.

Registration.aspx

Book Store - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://localhost:55253/Registration.aspx

Most Visited Getting Started Latest Headlines

Book Store

Online BookStore

Home Registration Shopping Cart Sign In Administration

Registration

Login* Gudapati

Password* ••••••

Confirm Password* ••••••

First Name* Jayaram Rayudu

Last Name* Gudapati

Email* gudapatijayaram@gmail.com

Address Rivershire Apts, Apt # 7, Milwaukee, WI

Phone 972-467-7284

Credit Card Type Visa

Credit Card Number 2765843003

Register Cancel

[Home](#) [Registration](#) [Shopping Cart](#) [Sign In](#) [Administration](#)

9) Return to main page

And once the register button is clicked it will redirect the user to another page named as home page in which the Search operation is there in order to search the books of different categories and title.

Also there is Advanced search in the More Search Options which allows the user to get a appropriate book based on title, author, categories and price range tags.

The Categories frame provides the types of categories of books hyperlinks that will redirect to the respective type of books and the user can select a particular book of his choice.

The website will recommend the users some books which got good ratings by the customers to help the customers find books easily.

Multiple authors books are kept in a different frame called What We're Reading.

Latest books in market are placed in New & Notable frame.

The weekly and monthly editorials are available in This Week's featured Books. The user can select any book of his choice and once the user selects a book he need to login inorder to buy it.

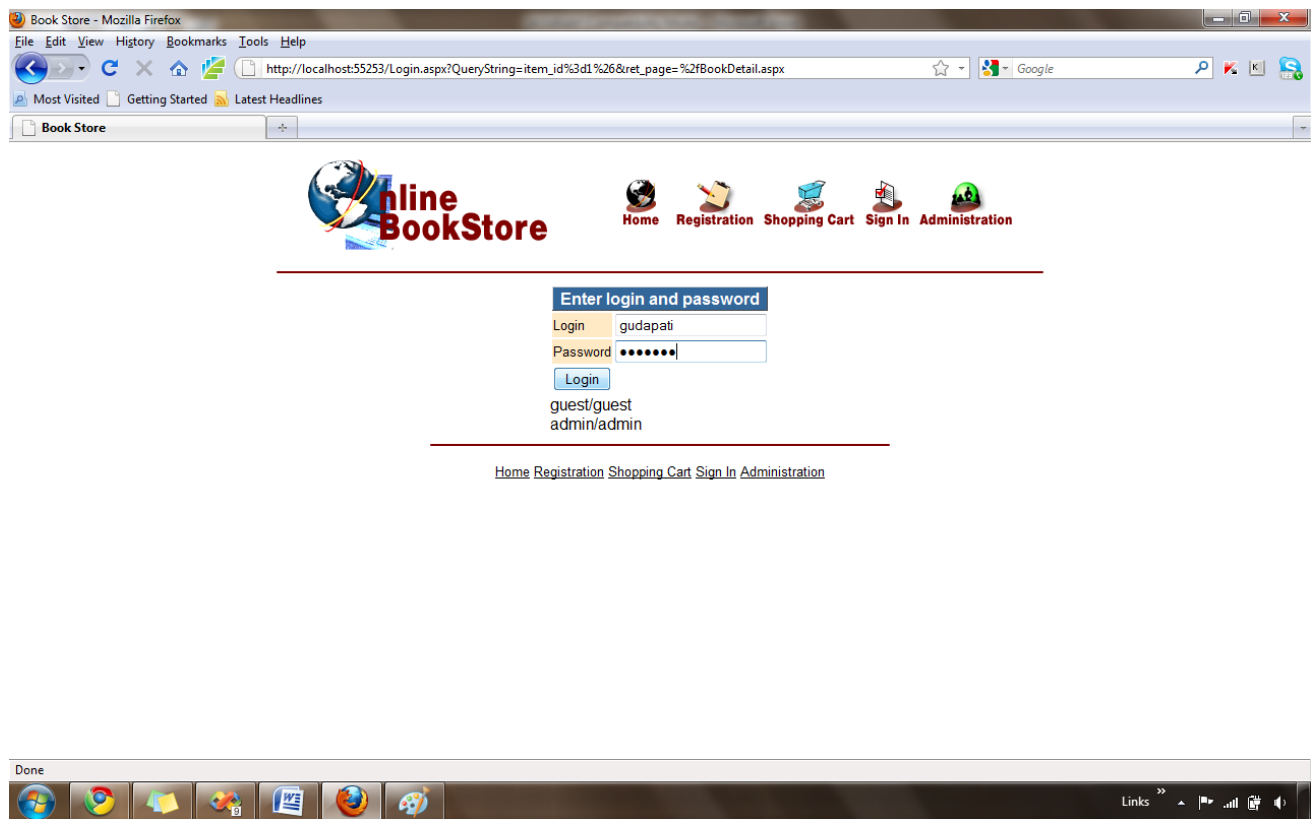
There are weekly specials for users like free shipping for more purchases etc.

Default.aspx



10) Login as a user

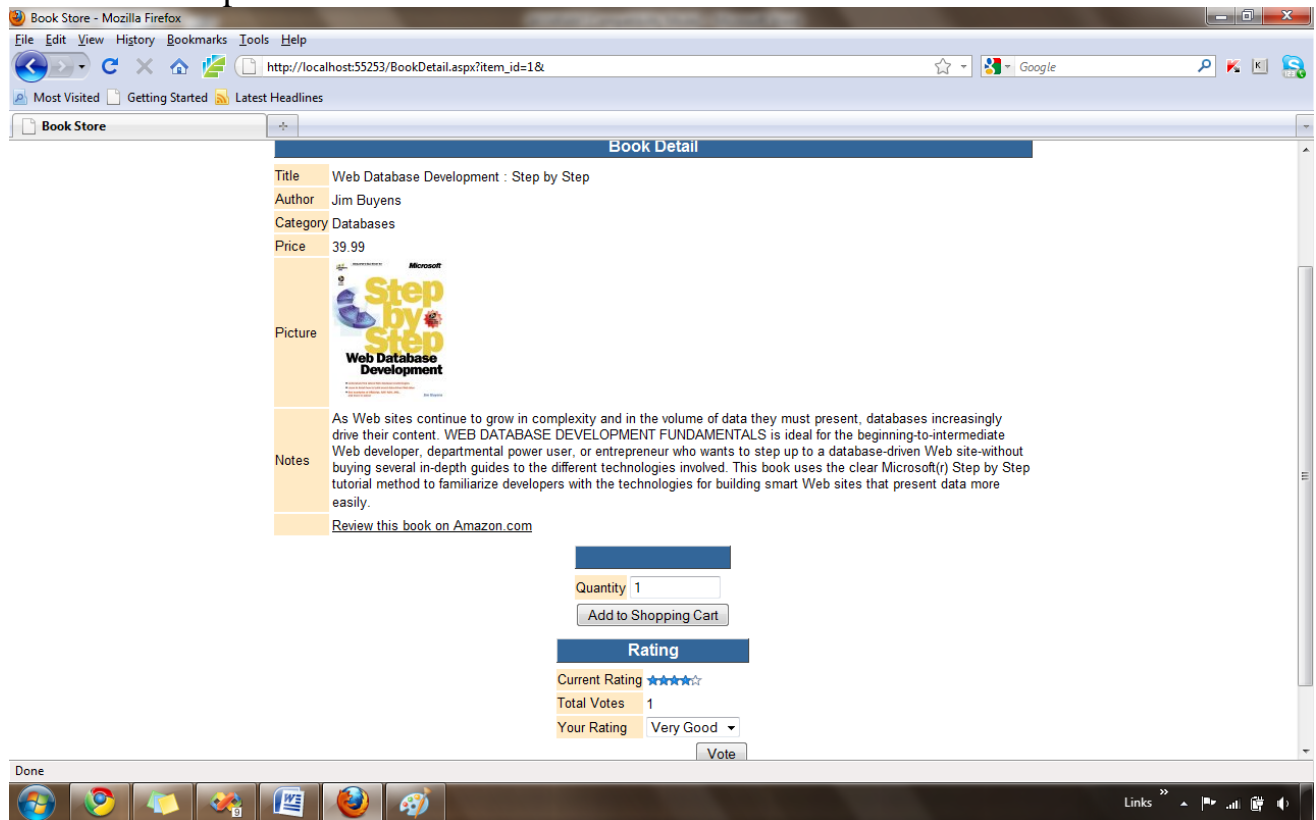
Once the customer selects the book of his/her choice they need to register as a user.



11) View book details

Once the user logs in he can view the book details, description, review the book on amazon.com

BookDetail.aspx



The user can get more than one copy by simply specifying the number in the quantity. He can view the Current Rating and total number of votes and the user is free to rate the book by selecting the dropdown button and clicking the vote button.

12)View and confirm shopping cart

Here the user information is displayed along with the selected items list of the order and the Total price of purchase. The user can edit,update,delete the order in details here and once he is done as the details of his address and credit card are registered within the website they charge the items and ship the items to the shipping address.

ShoppingCart.aspx

Book Store - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://localhost:55253/ShoppingCart.aspx?

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Book Store

 [Home](#) [Registration](#) [Shopping Cart](#) [Sign In](#) [Administration](#)

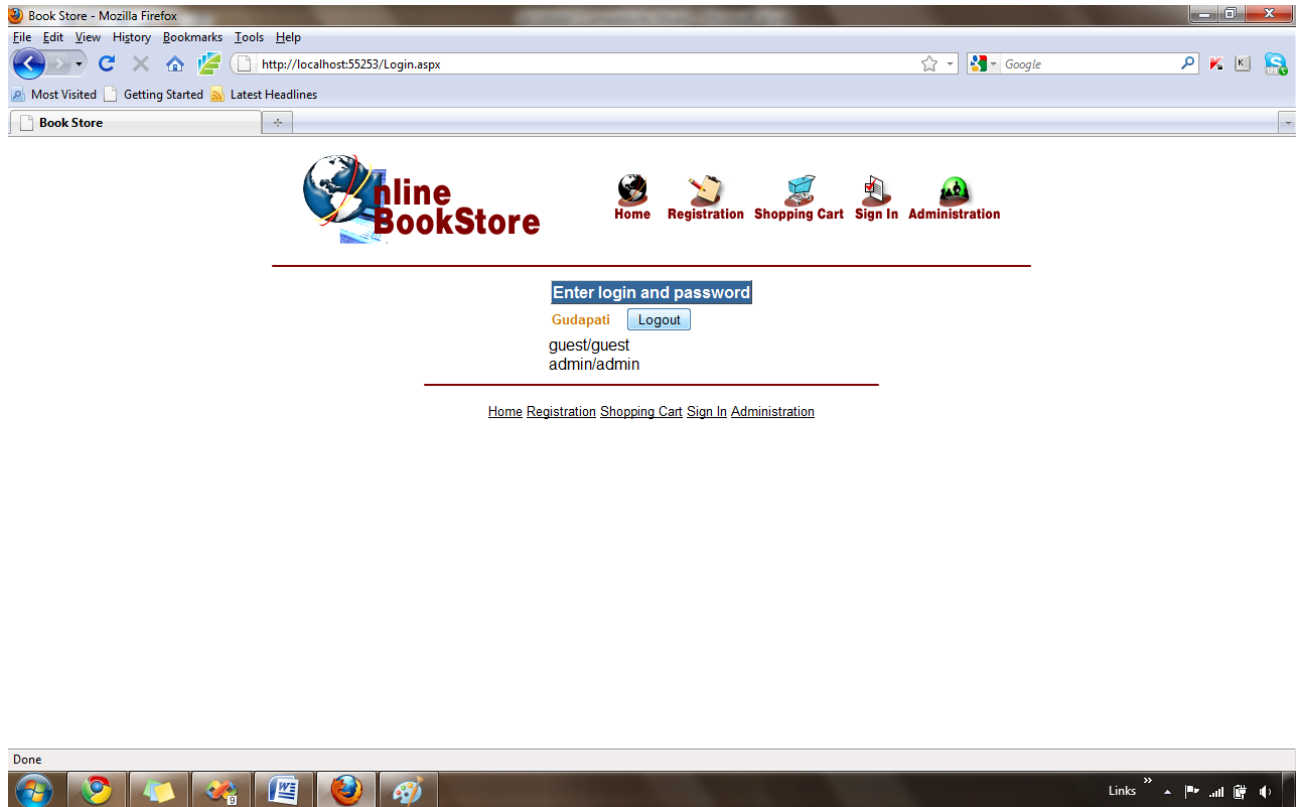
User Information		Items				
Login	Gudapati	Order #	Item	Price	Quantity	Total
First Name	Jayaram Rayudu	Details	14	Web Database Development : Step by Step	39.99	1 39.99
Last Name	Gudapati	Total				
Address	Rivershire Apts, Apt # 7, Milwaukee, WI	39.99				
Email	gudapatijayaram@gmail.com					
Phone	972-467-7284					

[Home](#) [Registration](#) [Shopping Cart](#) [Sign In](#) [Administration](#)

Done

Links

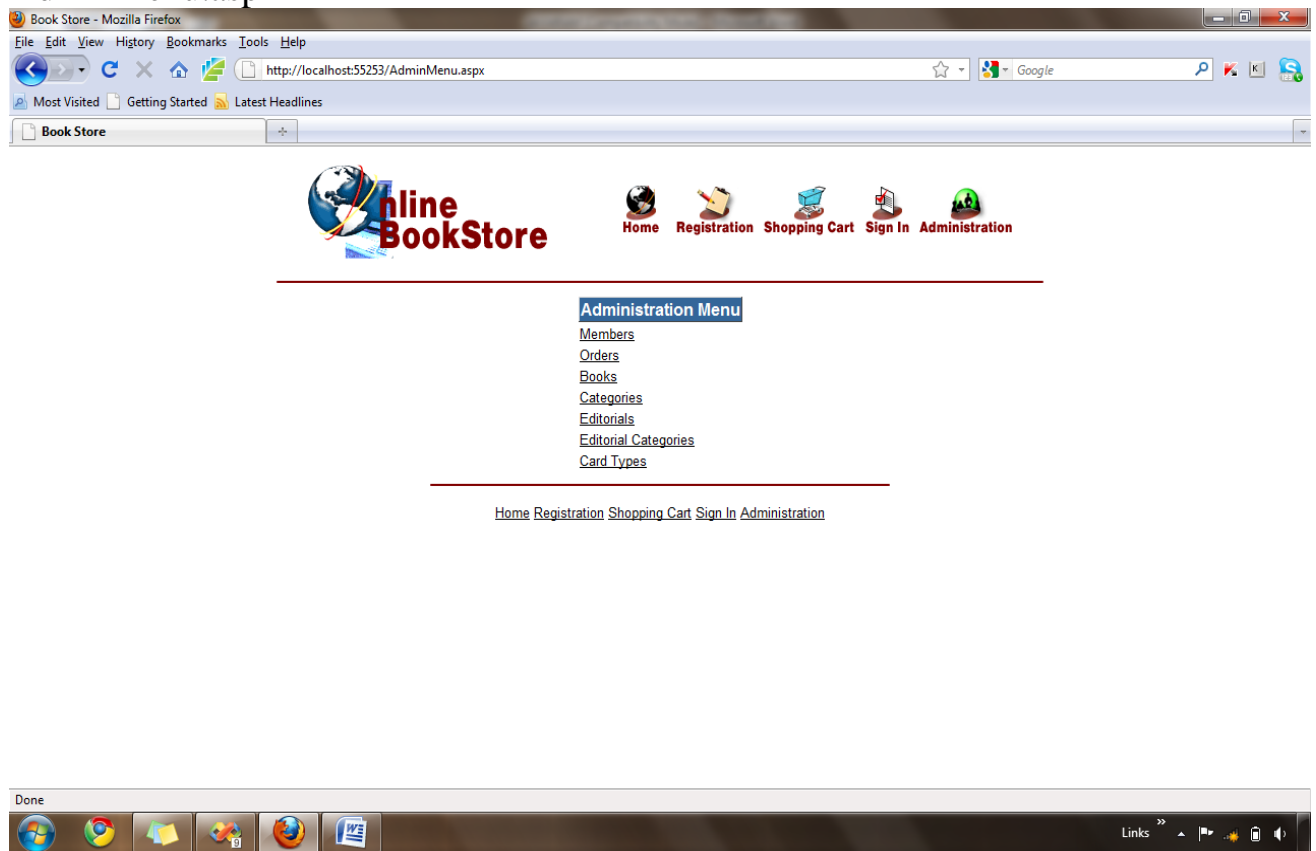
13)User Logout



14)Administration :

The administrator can login with the username and password and the admin will be redirected to the AdminMenu

AdminMenu.aspx



The administrator can view all the registered members and search for a user by entering full or partial login, first or last name and also can insert the members by giving the details.

MembersGrid.aspx

Book Store - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://localhost:55253/MembersGrid.aspx

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Book Store

Online BookStore

Home Registration Shopping Cart Sign In Administration

Enter full or partial login, first or last name

Name Search

Members

Login	First Name	Last Name	Level
admin	Administrator	Account	Administrator
Gudapati	Jayaram Rayudu	Gudapati	Member
guest	Guest	Account	Member
jayaram	jayaram	gudapati	Member
rajesh	rajesh	d	Member

[Insert](#)

Home [Registration](#) [Shopping Cart](#) [Sign In](#) [Administration](#)

Done

Links

The admin can track the orders of users, search for a item or user in orders also the admin can sort out the item list and edit the items, insert the quantity.

OrdersGrid.aspx

Book Store - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://localhost:55253/OrdersGrid.aspx

Most Visited Getting Started Latest Headlines

Book Store

Online BookStore

Home Registration Shopping Cart Sign In Administration

Item: All Member: All Search

Orders		
Edit	Item	Member Quantity
Edit	MySQL & PHP From Scratch	jayaram 1
Edit	Beginning ASP Databases	admin 1
Edit	MySQL & PHP From Scratch	jayaram 1
Edit	Black Belt Web Programming Methods: Servers, Security, Databases and Sites	jayaram 1
Edit	MySQL & PHP From Scratch	guest 1
Edit	Perl and CGI for the World Wide Web: Visual QuickStart Guide	guest 1
Edit	Perl and CGI for the World Wide Web: Visual QuickStart Guide	guest 1
Edit	Web Database Development : Step by Step	jayaram 1
Edit	MySQL & PHP From Scratch	jayaram 1
Edit	MySQL and mSQL	jayaram 1
Edit	MySQL and mSQL	jayaram 1
Edit	Web Database Development : Step by Step	rajesh 1
Edit	Web Database Development : Step by Step	Gudapati 1

[Insert](#)

Home Registration Shopping Cart Sign In Administration

Done

Links

The Admin can View all the books, Edit the Title, Author, Price, Category and description of the book.

AdminBooks.aspx

Book Store - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://localhost:55253/AdminBooks.aspx

Most Visited Getting Started Latest Headlines

Book Store

Online BookStore

Home Registration Shopping Cart Sign In Administration

Category All Recommended All Search

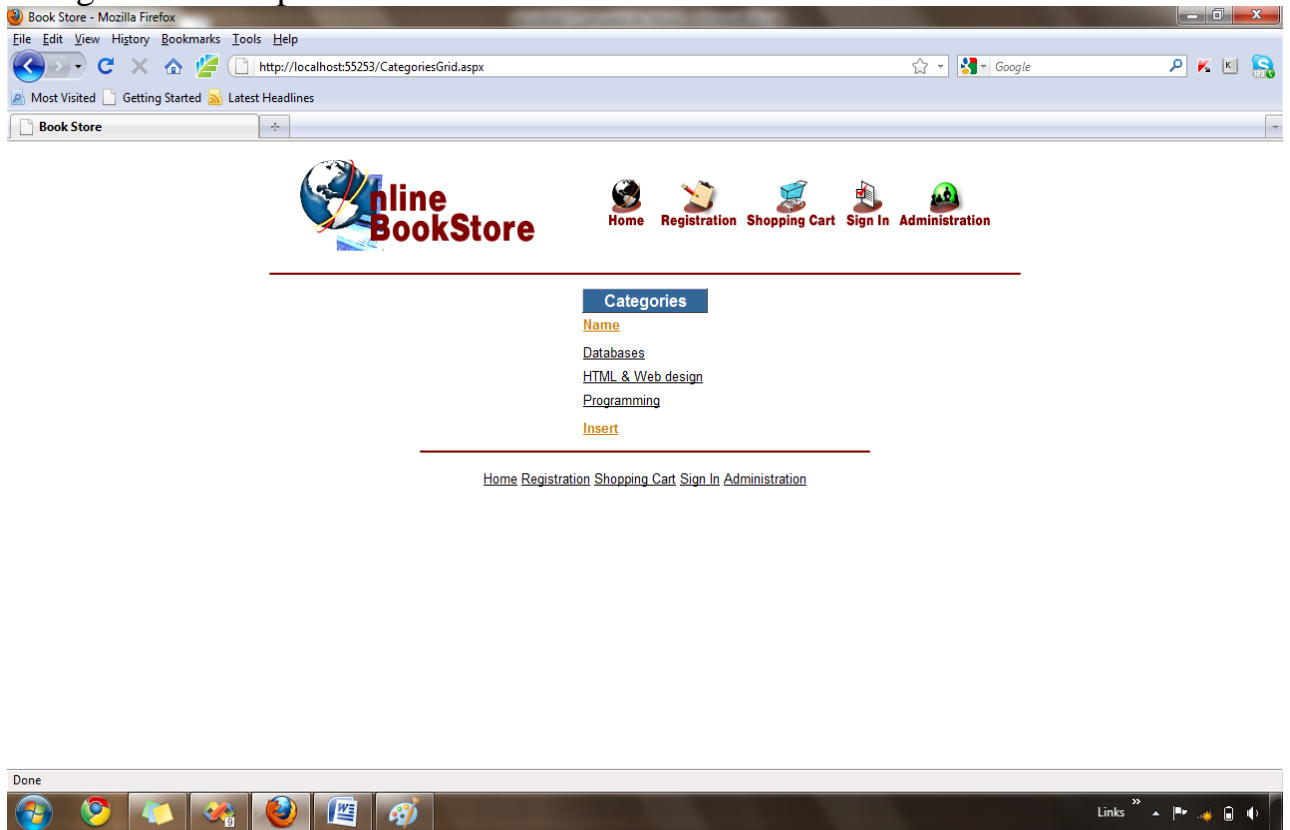
Books					
Edit	Title	Author	Price	Category	Recommended
Edit	Web Database Development : Step by Step	Jim Buyens	39.99	Databases	Yes
Edit	Programming Perl (3rd Edition)	Larry Wall, Tom Christiansen, Jon Orwant	39.96	Programming	No
Edit	Perl and CGI for the World Wide Web: Visual QuickStart Guide	Elizabeth Castro	15.19	Programming	No
Edit	MySQL (OTHER NEW RIDERS)	Paul DuBois	39.99	Databases	No
Edit	PHP and MySQL Web Development	Luke Welling, Laura Thomson	39.99	Programming	No
Edit	MySQL & PHP From Scratch	Wade Maxfield	23.99	Programming	Yes
Edit	MySQL and mSQL	Randy Jay Yarger, George Reese, Tim King	27.96	Databases	Yes
Edit	Flash 4 Magic (WITH CD-ROM)	David J. Emberton, J. Scott Hamlin, David Emberton	36	HTML & Web design	No
Edit	Web Application Development with PHP 4.0 (with CD-ROM)	Tobias Ratschiller, Till Gerken	36	Programming	No
Edit	Beginning ASP Databases	John Kaufman, Thearon Willis, David Buser, Kevin Spencer, kauffman, John Kauffman	39.99	Databases	Yes
Edit	Oracle8i Web Development	Bradley D. Brown, Brad Brown	41.99	Databases	No

Done

Links

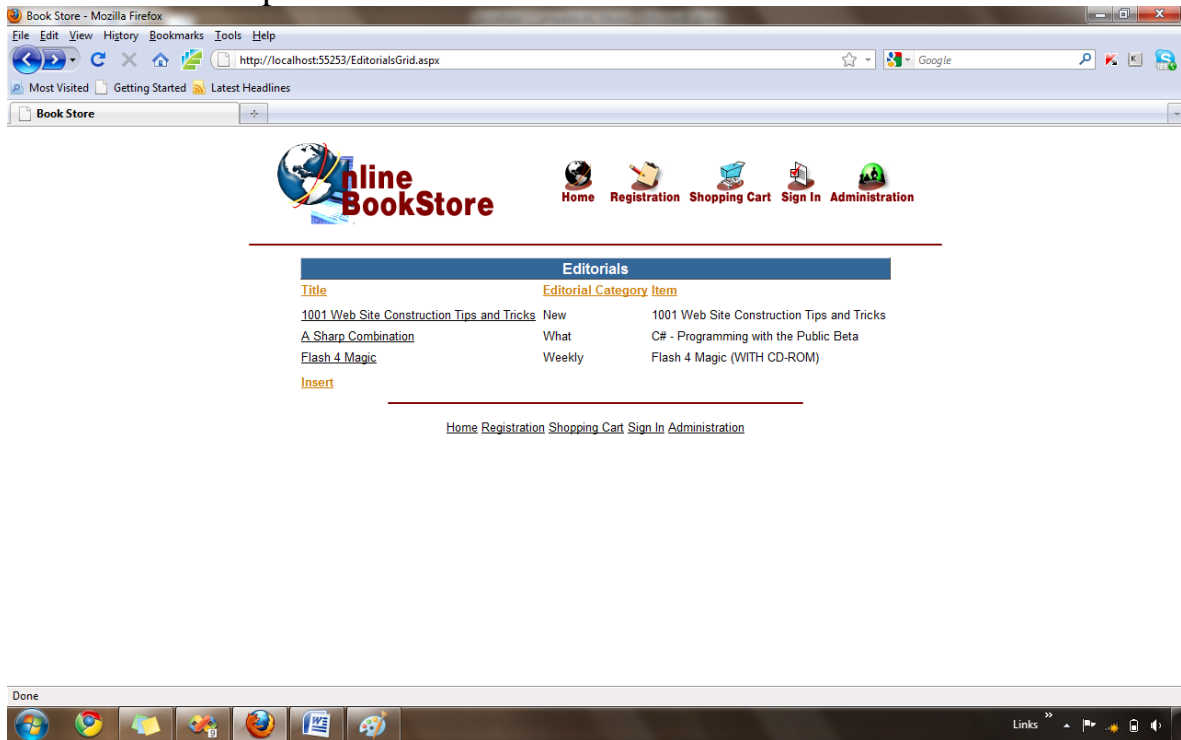
The admin can view, edit, insert, update, delete the categories menu where the different categories types are placed and in each section contains some books of its type.

CategoriesGrid.aspx



Editorial Titles, and Item name can be inserted into Editorials by the admin.

EditorialsGrid.aspx



The Editorial category like Daily, weekly and monthly can be inserted in Editorial Categories.

The Card types can be inserted by the admin.

CardTypesGrid.aspx

