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Online Bookstore Web Application for Governors State University

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Governors State University

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Online Bookstore Web Application
For
Governors State University

By

Jayaram Rayudu Gudapati

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 inorder 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:

**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:**

<table>
<thead>
<tr>
<th>member_id</th>
<th>member_log</th>
<th>member_pa</th>
<th>member_le</th>
<th>first_name</th>
<th>last_name</th>
<th>email</th>
<th>phone</th>
<th>address</th>
<th>notes</th>
<th>card_typ</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>admin</td>
<td>admin</td>
<td>2</td>
<td>Administrator</td>
<td>Account</td>
<td>admin@localho</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>guest</td>
<td>guest</td>
<td>1</td>
<td>Guest</td>
<td>account</td>
<td>guest@localho</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
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<td>Jyaram</td>
<td>gudapati</td>
<td>1</td>
<td>Jyaram</td>
<td>gudapati</td>
<td>gudapatiyara 972-467-7284</td>
<td>milwaukee</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>rajesh</td>
<td>rajesh</td>
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<td>rajesh</td>
<td>D</td>
<td><a href="mailto:rajesh@gmail.com">rajesh@gmail.com</a> 7654321</td>
<td>milwaukee</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
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<tr>
<td>15</td>
<td>17</td>
<td>22</td>
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</tr>
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</table>

Items Table:

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<th>category_id</th>
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<th>product_url</th>
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<td>Tobias Katschiller, Till Gerken</td>
<td>36.00</td>
<td><a href="http://www.amazon.com/exec/obidos/ASIN/">http://www.amazon.com/exec/obidos/ASIN/</a></td>
</tr>
<tr>
<td>24</td>
<td></td>
<td></td>
<td>27.95</td>
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</tr>
<tr>
<td>25</td>
<td></td>
<td>Duane K. Fields, Mark A. Kolb</td>
<td>35.95</td>
<td><a href="http://www.amazon.com/exec/obidos/ASIN/">http://www.amazon.com/exec/obidos/ASIN/</a></td>
</tr>
<tr>
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<td>47.99</td>
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</tr>
<tr>
<td>32</td>
<td></td>
<td>Elizabeth Castro</td>
<td>15.95</td>
<td><a href="http://www.amazon.com/exec/obidos/ASIN/">http://www.amazon.com/exec/obidos/ASIN/</a></td>
</tr>
<tr>
<td>33</td>
<td></td>
<td>Richard Schwartz, Kris James, D. Runnion Connelly</td>
<td>39.95</td>
<td><a href="http://www.amazon.com/exec/obidos/ASIN/">http://www.amazon.com/exec/obidos/ASIN/</a></td>
</tr>
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<td>34.99</td>
<td><a href="http://www.amazon.com/exec/obidos/ASIN/">http://www.amazon.com/exec/obidos/ASIN/</a></td>
</tr>
</tbody>
</table>
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.
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 inorder 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 needs to login inorder to buy it.

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

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 logins he can view the book details, description, review the book on amazon.com
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.
13) User Logout

14) Administration:
The administrator can login with the username and password and the admin will be redirected to the AdminMenu.
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.
The admin can track the orders of users, search for an item or user in orders, also the admin can sort out the item list and edit the items, insert the quantity.
The Admin can View all the books, Edit the Title, Author, Price, Category and description of the book.
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.
Editorial Titles, and Item name can be inserted into Editorials by the admin.
The Editorial category like Daily, weekly and monthly can be inserted in Editorial Categories.

The Card types can be inserted by the admin.