BookMania

By Tristan Vizvary

CSIS3280-001

**Project Description:**

Participating Student:

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GitHub Repository:

<https://github.com/vizvaryt/CSIS3280_PROJECT>

Software/Technologies Used:

* PHP
* mySQL
* HTTP
* HTML
* CSS
* Apache
* XAMPP

Application Features:

Webpages:

* Home Page
  + Header navbar with links to pages
    - Home
    - Bestsellers
    - Editor’s Picks
    - Textbooks
    - Contact
  + In the right corner of the page, adjacent to the navbar, will be the login/register button. This button will be replaced by “My account” when a user is currently logged in
  + Next to the login/my account button will be the “My Cart” button, which will allow the user to access the books they have in their cart during the current session
  + Below the navbar will be the search box, with filters directly beneath it along with a “search” button
  + Rest of the page until the footer will be random books of any type
  + Footer will provide a fake copyright and link to the contact page again
* Bestsellers Page
  + Same header navbar as home page along with login/my account button and my cart button
  + Clicking into a book link will bring you to the respective book’s page
  + Page will have the same footer as the home page as well
* Editor’s Picks Page
  + Same header navbar as home page along with login/my account button and my cart button
  + Page will have a random assortment of cards that contain the editor’s picks books
  + Clicking into a book link will bring you to the respective book’s page
  + Page will have the same footer as the home page as well
* Textbooks Page
  + Same header navbar as home page along with login/my account button and my cart button
  + Page will have a random assortment of cards that contain textbooks
  + Under the navbar will be the same search box from the home page
  + Clicking into a book link will bring you to the respective book’s page
  + Page will have the same footer as the home page as well
* Contact Page
  + Same header navbar as home page along with login/my account button and my cart button
  + Page will contain a brief summary of the website and company
  + Page will have the same footer as the home page as well
* Login/Register Page
  + Same header navbar as home page along with login/my account button and my cart button
  + This page will show a login form with email and password entries along with a “login” button
  + Adjacent to the login form will be the registration form which allows the user to enter all relevant data needed to create a new account
  + After logging in the website will redirect back to the home page and change the login button in the top right corner to the “My account” button
  + Page will have the same footer as the home page as well
  + There is a single pre-programmed user with the credentials “admin@admin.com” and “admin” as the password.
* My Account Page
  + Same header navbar as home page along with login/my account button and my cart button
  + This page will provide a summary of all the current user’s relevant information
  + There will also be a button that will allow the user to change their password
  + There will also be all the books that the user has purchased, which will be displayed in the list style
  + Page will have the same footer as the home page as well
* My Cart Page
  + Same header navbar as home page along with login/my account button and my cart button
  + This page will show each book that the current user has selected earlier to put into their cart
  + There will be a checkout button which will update the database by setting those unique books to “purchased” status and will show a notification that the books have been processed and will be shipped to the user within 5-10 business days
  + Once the cart has been processed and the user closes the notification, the cart will automatically empty
  + Page will have the same footer as the home page as well
* Book Detail Page
  + Same header navbar as home page along with login/my account button and my cart button
  + This page will be the detailed summary for each book that the user will be sent to whenever they click into a book from another page
  + The page will provide a larger image of the book, along with much more information such as the author, description, date of publishing, edition, ISBN, language, fiction/nonfiction, and availability.
  + There will also be a small form where the user can select the quantity they would like to order, and then a submit button so the user can add the book(s) to their cart
  + Page will have the same footer as the home page as well

Installation Manual:

Start by downloading the source files from the GitHub link provided above. To run this website locally you will need XAMPP and will need to place the files into the htdocs folder after turning on Apache and mySQL in XAMPP. Once the files are placed, you will need to execute the SQL file called “scripts.SQL” using the command line mySQL interface. This will create the database and load the tables into it. From here, the website should work seamlessly.

Class Diagrams:

* Book
  + PK: ISBN
    - String
  + Author
    - String
  + Title
    - String
  + Price
    - Float
  + Publishing Date
    - Date/String
  + Edition
    - String
  + Description
    - String
  + Language
    - String
  + Fiction/Nonfiction
    - Boolean, TRUE = Fiction & FALSE = Nonfiction
  + Availability
    - Boolean, TRUE = In Stock & FALSE = Out of Stock
  + Bestseller
    - Boolean
  + Sold Per Year
    - Int
  + Sold Per Month
    - Int
  + Sold Per Week
    - Int
  + Editor’s Pick
    - Boolean
  + Textbook
    - Boolean
  + Purchased
    - Boolean
  + Purchased User
    - String
  + InCart
    - Boolean
  + Image
    - String
* User
  + PK: Email
    - String
  + First Name
    - String
  + Last Name
    - String
  + Phone Number
    - String
  + Address
    - String
  + Date of Birth
    - Date/String
  + Password (Hashed)
    - String
  + Current Cart
    - String
  + Purchased Books
    - String

User Manual:

The user experience is simple as it is not too dissimilar to the average barebones shopping website experience. Upon loading the page, you can view any book by clicking the card, but to purchase one, you will need to login or register by clicking the relevant button in the top right corner. Once logged in you can add books to your cart, purchase them, and view your account data. There is a single pre-programmed user with the credentials “admin@admin.com” and “admin” as the password.

References:

<https://www.w3schools.com/>

<https://stackoverflow.com/>

<https://developer.mozilla.org/en-US/>

<https://www.geeksforgeeks.org/>

Previous demo code from this class