

Read Easy: An Online Bookselling Web Application

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Abstract- Today, in all aspects of our daily lives, the cyberspace has become an unflagging part of our lives, as it has a functional brunt on our social actions. The Virtual community and the internet together, are changing the manually accepted economic practices and are making the competition even more relentless than it has ever been in the past decades, assigning some new dimensions to the business modules and contributing in reforming some new business strategies. In this era of proliferation an E-commerce enterprise is soon likely to acquire the marketing trends thus allowing flexibility and scalability to the commercial companies to grow rapidly and adapt measures quickly to satisfy the market demands.

The project certainly aims at developing an online bookselling web application that not only allows a user to buy a new book from the distributor but also allows a user to sell the used book through his own account. It even aims to offer a varied collection of books that are categorized under their respective domains. The system even makes use of a shopping cart that stores customer orders, and allows each customer to order more than one book at the same time on a secure payment transaction platform. Additionally, the system has a well-equipped user interface that helps the navigation of the user within the site easier with minimal overhead.

Index terms- E-commerce, Automation, Transaction, Barriers, Transparency, Entity, Multi-Threaded

I.INTRODUCTION

An E-commerce usually refers to a commercial platform that allows various business entities to share their existence in the global market by promoting the good and services through online mode and directly tackling the end user thereby eliminating the existing chain comprising of wholesalers, retailers etc.

Features:

1. Interactivity: It allows a two way communication between the two commercial entities.

2. Portability: The website needs to be made accessible anywhere and anytime irrespective of the platform.
3. Complexity: The website needs to generate a user friendly experience to it's customers thereby reducing complexity and unwanted erroneous situations.
4. Content Richness: The description about the product must be very well aligned so as to get a clear view about its pros and cons.

E-commerce Classification (Based on Transaction Type):

- Business to Business (B2B): It refers to a commercial transaction between the two business entities.
- Business to Customer (B2C): It refers to a commercial transaction between a business entity and an individual consumer.
- Business to Business to Customer (B2B2C): It refers to a commercial transaction in which a business entity provides services to the client firms which in return serve their own customers.
- Customer to Business (C2B): It refers monetary worth created by the customer that is used up by the business entities.
- Customer to Customer (C2C): It refers to a commercial transaction between the two consumer heads.

The website is dedicated to provide high quality standard books to its customers according to their specific interest. It manages to upgrade itself continuously thereby allowing the customer to stay in touch with the newly upcoming trends. The system mainly focuses on some of the crucial criteria's like arrival of the new book slot, processing of the orders, accounting the user information, carrying out transaction over a secured medium etc. It's mainly automated and barely requires a user involvement.

II. PURPOSE AND MOTIVATION

The sole purpose of the project is to design an online bookselling web application that simplifies the task of procuring items from the various sources and in return provides an invoice of successful transaction to the customer thereby ensuring consistency.

Targeted Elements:

- a) To reduce overhead.
- b) To nurture individual privacy.
- c) To acquire a global market reach.
- d) To increase the auction.
- e) To enhance accountability and productivity.
- f) To reduce the activity cost.
- g) To develop a sense of trust and belief amongst customers.

III. REQUIREMENTS

A) Hardware Requirements:

- a) System: Intel Core-i3 Processor (Min.)
- b) RAM: 4GB & above.
- c) Hard-Disk: 500GB.

B) Software Requirements:

- a) Java Development Kit 7.
- b) Eclipse,
- c) Apache Tomcat.
- d) Client Side Scripting Languages: CSS, HTML, JavaScript Framework and Bootstrap.
- e) Server Side Scripting Language: Java
- f) Database: MySQL (Recommended)

IV. PROPOSED SYSTEM

The proposed system is devised in such a way so as to eliminate the manually existing technique of buying book that proves to be quite cumbersome and in efficient. The design is based upon a III Tier architecture wherein the Middle Tier is implemented using the JSP Servlets, for allowing embedding of dynamic elements in HTML Pages. The Client Tier is designed using HTML, CSS, Bootstrap and JavaScript Framework and the Data Tier makes use of a MySQL relational database, a Multithreaded Database that allows multiple tasks to run independently.

V. MODULE DESCRIPTION

At the initial stage, the module requires a user to set up his/her account by providing the necessary details to the system such as name, address, E-mail etc. before interacting with the system. Later, a user can search for certain book he is interested in using the search bar that is provided at the top of index page. The most relevant choices are retrieved from the database and are displayed on the screen. The result solemnly depends upon the value that is entered into the search bar. In addition, a shopping cart is designed that accommodates a list of books that the user wishes to buy and even allows the user to check out the items at a one single instant. The payment theory is to be carried over a secured platform that eliminates the emerging external barriers and retains the user's confidentiality at the same moment.

Moreover, the feedback system of the module triggers the independent views of the user about the layout of the web page, product description tags, support, services etc. Moreover it even updates the customer to the newest releases through E-mail facility that makes is easy for the customer to make a choice. A user can even sell a used book on the website by providing the necessary details to the system and simply following the instructions making it available everyone. This task isn't just limited to the end customers but any authority existing in the marketing chain trying to expand further can avail the benefit of the same in order to serve its clients.

VI. MODULE WORKFLOW

The Fig.1 depicts a brief workflow of all the participating modules.

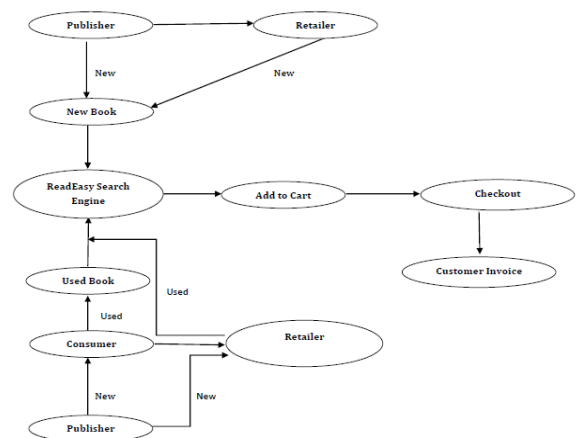


Fig -1: Module Workflow

VII. SNAPSHOTS

A. Login Screen

The below interface requires a user to enter his credentials which will be validated by the system and the access to the website will be acknowledged.

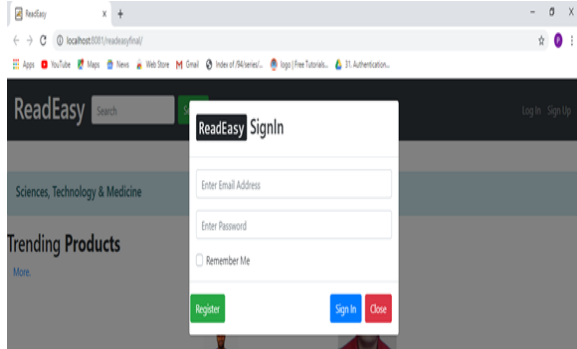


Fig 2. Login Screen

B. Create a New Account

The below interface requires a user to enter his basic information e.g. Name, E-mail, Address etc. in order to create a new account.

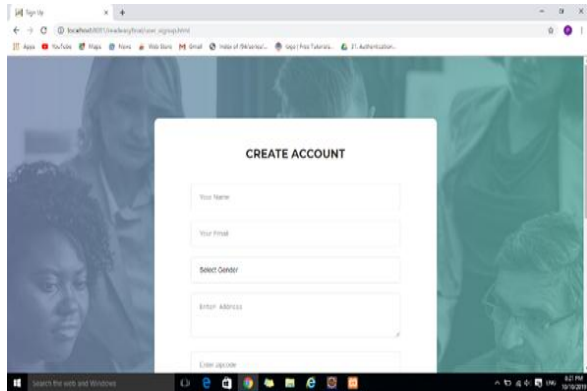


Fig 3. Create a New Account Screen

C. Searched Page Screen

The below interface display a search result of the user, Here Elon is the keyword that is searched and the results are fetched from the devised database on the screen.

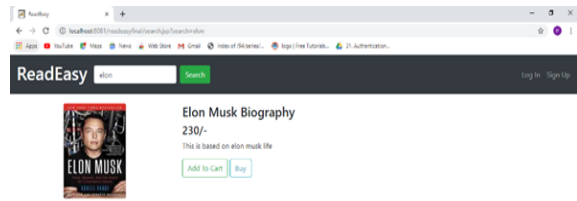


Fig 4. Searched Page

D. Shopping Cart

The below interface displays a shopping cart that contains a list of books that a user wishes to buy. A user can add as many as book he wishes to buy and can later proceed to checkout.

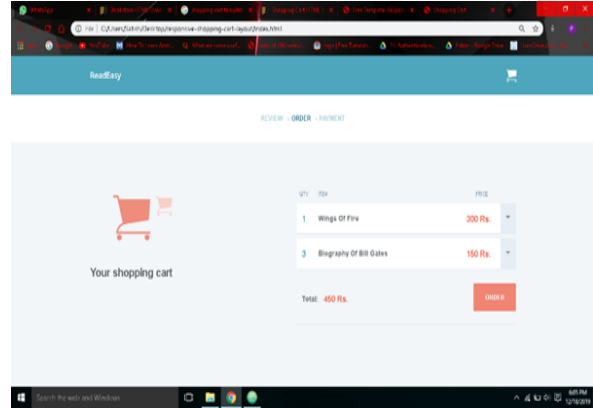


Fig 4. Shopping Cart

VIII. CONCLUSION

Manually, setting up a book store requires an actual user involvement in each and every realm of business. It not only requires an attention on the financial usage but also demands a strong workforce followed by infrastructural actions. However setting up the same business online result in division of formulated tasks into multiple entities and even helps to achieve greater productivity. The user need not worry about the implementation of the website as the guidelines are provided at each and every stage of ordering to help user in case of any erroneous situation. The system promises to deliver true genuine services to its customers and even ensures transparency at each and every stage of ordering.

REFERENCES

- [1] Baršauskas, Petras & Šarapovas, Tadas & Cvilikas, Aurelijus. (2008). The evaluation of e-commerce impact on business efficiency. *Baltic Journal of Management*. 3. 71-91. 10.1108/17465260810844275.
- [2] Fatin Najwa Binti Abdullah Sani¹, Hani Malini binti Majek², Umairah binti Ahmad Khairudin³, Abdul Rahman bin Ahmad Dahlan⁴ e-Bookstore: Opening Door to the Garden of Knowledge. *International Journal of Scientific*

and Research Publications, Volume 7, Issue 6,
June 2017 ISSN 2250-3153

- [3] Research Paper on Online Bookshop Management System Ms.Pragati Bagmare¹, Ms.Shraddha Girhepunje², Ms.Priya Bisen³,
^{2,3}Sixth SEM CSE, RTMNU Nagpur University
Volume 5 Issue IV, April 2017 IC Value: 45.98
ISSN: 2321-9653
- [4] The design and implementation of an e-commerce Site for online book sales,” Report by Swapna Kodali for partial fulfillment of the requirements for the degree Master of Science in the Department of Computer and Information Sciences Indiana University South Bend May 2007.
- [5] J. Reynolds, 2004(). "The Complete E-Commerce Book: Design, Build and Maintain a Successful Webbased Business", Second Edition, CMP Books.