ONLINE BOOK STORE

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Abstract - **Online book store is a web application where the customers can purchase the books through online. The main objective of this project is to create an online book store. The online book store allows the user to search the books based on the title, author and by category finally allows the user to purchase the books through online. The user can login using his or her account details. The new customers can create an account quickly using their account details. The users should specify the details such as name, contact number and the address to which the book has to be shipped. Once the account is created the customer can sign up and place the items into the shopping cart and can purchase the item at any time using the online mode. The administrator has added advantages when compared to the other user where he can add delete and update the book details, and member information. The main advantage of using the online book store makes the user even more comfortable by dividing the books into many categories based on the subjects. The second main advantage is allows the user to search the book based on the title and purchase the book through online payments.**

Keywords: online shopping, web application, book.

I. INTRODUCTION

The online book store is a software project which acts as a central database. The database contains various books in stock. The book in the stock contains information about the title, author and the cost. The user visiting the website can view a wide range of books along with their process. The online web stores allow the user even to search the specific books on the website. The online book store contains stories books, study materials and any course books. The main advantage of this online book store is customers can get the book delivered at their door step rather than going and buying the book at the store. This system allows the user to save both time and the travelling cost for the customers. The user can get to know about different kinds of books. The user can search different kinds of books in the system through the keywords. The advantage in point of shopkeepers is that they can expand their customers by providing different kinds of books. The main features of online book stores is provides excellent searching facilities, it tracks all the information about the customers, stock and the delivery, manages all the customers related information, increases the efficiency of the managing the books, the user can edit, add and update the records, can manage the delivery related information and can integrate all the records and bills.

II. LITERATURE REVIEW

Electronic commerce supports the interaction between different parties. E-commerce allows the user to participate in the transaction via the network and how the data are being managed [2]. The importance of e-commerce is increasing day by day. The research made by the center at the Georgia institute of technology has summarized a report saying that e-commerce has attracted large number of users shopping and total amount of people spending time via the internet based transactions has increased. The survey has proved that nearly 10,000 customers purchase the books in the online. The increase in online purchase is due to four main reasons they are shopping personal which is followed by the availability of the vendor related information, and there is no pressure from the side of the sales person and finally it saves more amount of time.

The major drawback is security which remains a primary reason for the people to not purchase the items in online. The survey proposed by the GVA indicates the security of the ecommerce is increased. The reason behind the survey is people have gained confident through the concept of encryption and decryption technologies. The advantages of using the e-commerce site are scanning the items and selecting the items from the list, organization of the products, navigation from the home pages which helps in providing the information about the specific products, security notification or messages while doing the payments.

The major improvement in the e-commerce site is getting the feedback from the users [3]. The interaction between the user and website is not completed. This is because the web site should start responding to the feedback entered by the users. The authors in paper [2] have developed as feedback
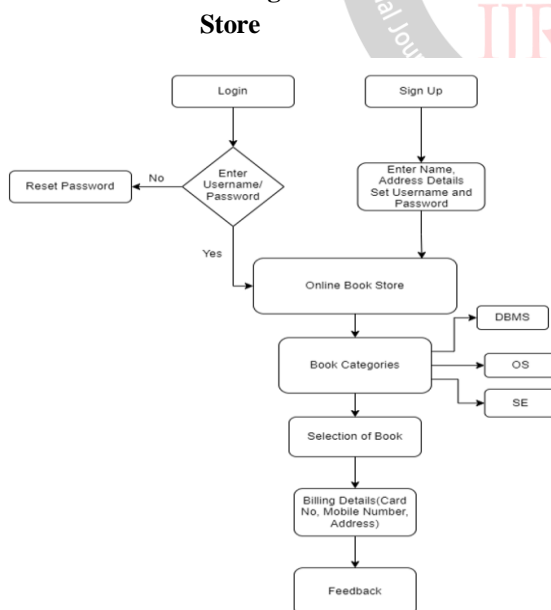
sending system. The feedback is designed in such a way that it provides the complete information of what the user is requested and what actions are actually taken and finally the result are accomplished. The website feedback often contains information about the consistence change in verbal related information. The completed order need to send the acknowledgement quickly. The generation of acknowledgement may take a longer time. The acknowledgement send by the user should be reasonable and the progress should be made towards the acknowledgement.

The feedback send should not distract the user. The action made by the website should have a reasonable value. The feedback given from the user is a major task for the process of gathering information, selecting the products and finally placing the order.

III. ARCHITECTURE

Existing system - The main drawback is people have to go physically visit the book shops for purchasing the books. The second main drawback is traditional book purchasing technique is not as efficient for the shop keepers as well as customers as they deal with huge amount of crowd in their shops. In order to overcome this drawback online based book store is developed. It provides better facilities to the user where the user can access the data from anywhere in the community. The customers can visit the site and can purchase the books based on their requirements. The books can be purchased in online and the transaction can be done through the online mode. The following figure 3.1 represents the complete architecture diagram of the online book store.

Figure 3.1 Architecture Diagram of Online Book Store

IV. HARDWARE AND SOFTWARE REQUIREMENTS

The software requirements are **Arduino IDE**. It is a text editor mainly used for compiling the code to check if any errors whether any errors are present. Finally the code is uploaded to the Arduino. The hardware requirements are **Arduino UNO, Current sensor, voltage sensor and jumper wires.**

4.1 HTML

HTML stands for the hypertext markup language. It contains the links which allows the user to jump to other document. The HTML describes the structure of a web page and allows the user to create the pages. The pages can be viewed using the CSS. The basic elements present in the HTML are tags and attributes. The tags are used to start an HTML element which is usually enclosed by the angular brackets. The attributes provides additional information. The main advantage of using HTML is they are very user friendly and they are easily customizable. The main disadvantage is the code or the document cannot be printed. The HTML can be used in different applications like web page development, navigation of internet, provides offline support, and helps in development of gaming. The navigation of internet allows the user to navigate from one page to another page. The HTML pages can be made available even in offline mode without the access of the internet facilities. The gaming development provides a better experience. The basic HTML tags used in the documents are <html>, <head>,<body>. The <html> tag contains information about the header information. The <head> contains the information about the title related information. The <body> tag contains information about the heading, paragraph tag related contents.

4.2 CSS

CSS refers to the cascading style sheets. The CSS is mainly designed to make the web page in a presentable manner. The key advantages of using the CSS is able to create a web site, helps to become a better and attractive web designer, allows us to control the web. The CSS makes the web page to control the text, the style and the spacing between the paragraphs. The CSS allows the user to change the back ground colors and images, allows the user to change the design layouts. The main advantage of using the CSS is easy to learn. The presentation created using the CSS make more understandable. The basic of HTML and CSS is known the technologies like java script and angular basics can be easily understood. CSS is used in many applications such as CSS save time, loads the pages faster, allows easy maintenance, and allows compatibility of the devices. The CSS once created we can reuse the same sheets in multiple HTML pages. The style can be defined for each HTML pages and the styles can be applied for each web page. When you are using the CSS tag there is no need to write the HTML tag attributes. The problem can be over comed by writing only one CSS rule of a tag. The CSS tag once created can be applied to all the occurrences in the tag. The CSS use less code which makes the download very faster.CSS uses wide variety of attributes than HTML. The advantage is it provides a better look to the HTML page when compared to

the usage of HTML attributes. Cascading style sheets allows the user to optimize the content for more than one type of devices. The HTML attributes usage are getting deprecated day by day, many user recommend the usage of CSS. The CSS can be used in all the HTML pages which makes even more compatible for the future user or browsers.

4.3 MY SQL DATABASE

MySQL database is a relational database management system. It stores the information in tables. The tables can be used to retrieve the information, access and maintain the data easier. MySQL is open database management system is a software which allows the user to modify the data according to the user needs. It is fast and reliable which in turns improve the performance. MySQL is a multithreaded database engine which allows the user to perform multiple tasks at the same time and allows multiple applications to run simultaneously. MySQL database is connected to the ODBC driver using the JSP connection. ODBC is mainly used for accessing the database applications. The ODBC contains certain library functions that implements the function supported by ODBC. The ODBC function call submits a SQL request. The SQL requests are further send to the MYSQL server and the result are processed. The results are finally sent back to the application. The drivers can modify the application request. Once the request is sent it conform the syntax supported by the MySQL. The concept of multithreading is an added advantage to the MySQL concept. MySQL allows multiple clients to access the data, perform read or write operations. MySQL uses thread concepts where the process shares the same thread space and executes individually.

4.4 VISUAL STUDIO

Visual studio allows the user to complete the entire development cycle in one place. Visual studio is a software editor tool. The tool is developed by the Microsoft for windows, Linux and Macos. Visual studio supports the concept of debugging, syntax highlighting and code competition and code snippets. Visual studio is highly customizable. It allows the user to change the theme, keyboard shortcut and add additional functionality. The visual studio is free and open source software released under the MIT license. The basic steps involved in the development of Visual Studio, first install the visual studio. Once the download is completed save the installation time and disk space. The installation time and disk space allocation once completed, select the components needed. The components can be incremented any time when needed. The visual studio opens an IDE where the users will be able to learn the language. Visual studio brings together the concept of graphical design, compiler code and source control into one place. Select the area in which we need to develop or the area in which you are interested in learning. The step by step procedure is followed to understand the basic steps in the applications.

4.5 WEB PAGE PROGRAMMING

An e-commerce website contains a database which is used by both the client and the server side. The server side processing receives the request from the dynamic web page. The server side performs the necessary actions in order to create the pages. Once the pages are created it sends the pages to the client and display the content in the client's browser. The client side processing of data is done by the workstation present in the client side. The browser present in the client side executes the program that interacts directly with the database.

V. MODULE DESCRIPTION

LOGIN PAGE – The login page contains information about the products, login essentials and account creation**.**

 SEARCH- The search option is provided where the user can search the books using the books category or title

BOOKS- After the login completion the user can search for the books based on the books category and can navigate to different section and can add items to the cart.

CART – The cart contains the information about the description of the books. The description of the book contains the information about the name, category, author, edition and finally the price.
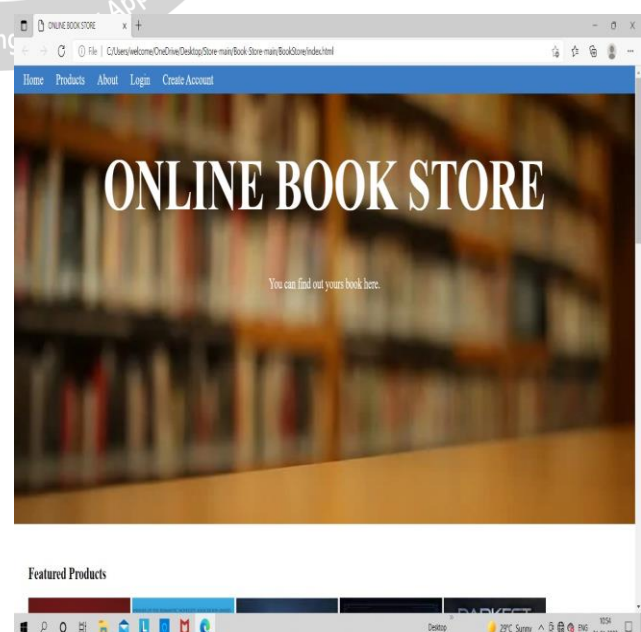
BILLING DETAILS – Once the book is selected the user can pay using the credit or the debit card.

Each user can login and logout and the sessions are saved in the database.

VI. RESULT AND DISCUSSION

The following figure 5.1 represents the login page of the book stores. The login page contains information about the products, login and create account.
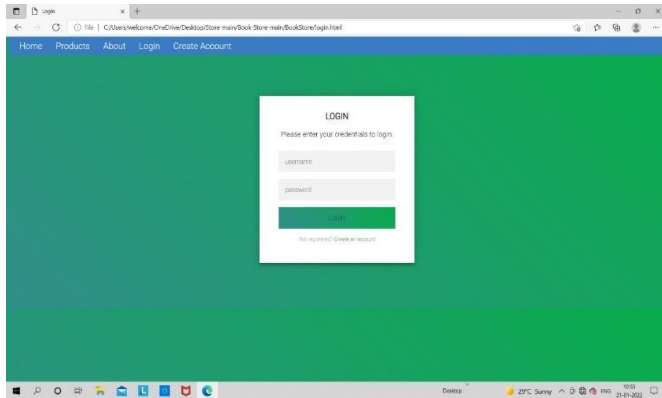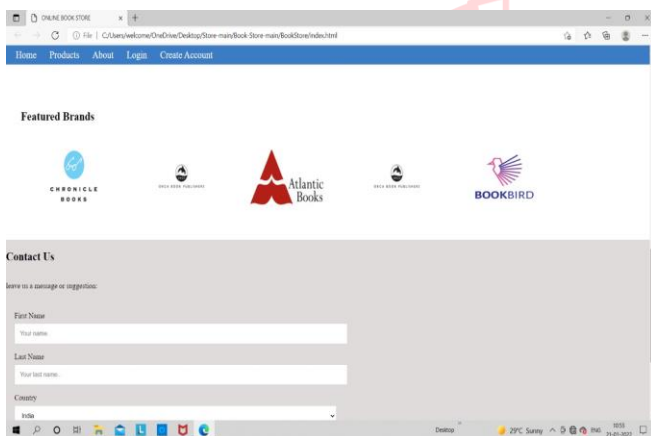
Figure 5.1 Login page

The following figure 5.2 represents the login page of the online book store. The login page contains information about the username and password. Once the username and password are entered they are verified in the database. If the entered username and password are correct then the website will allow the user to enter and search for the books.
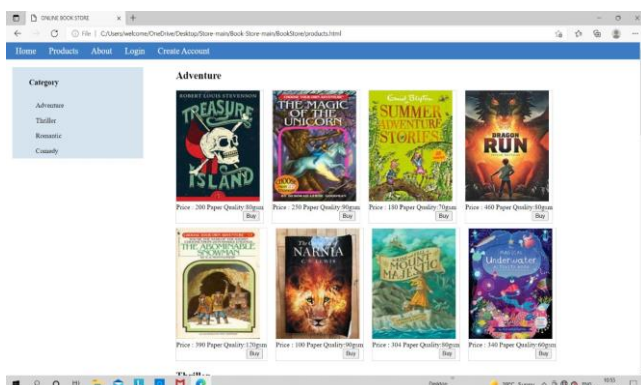
Figure 5.2 Login page

The following figure 5.3 represents the account creation. The account creation contains information about the first name, last name, country. Once the login is created the list of books are viewed. The books are separated based on the category.

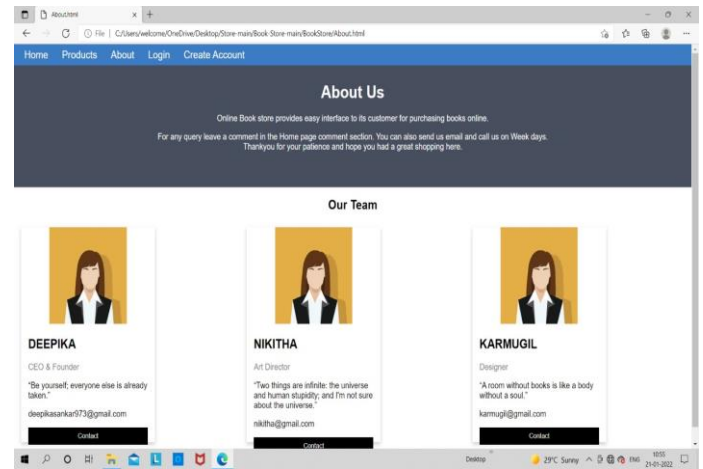**Figure 5.3 Account creation**

The following figure 5.4 represent the different category of books. The online book store makes the user even more comfortable by dividing the books into many categories based on the subjects.
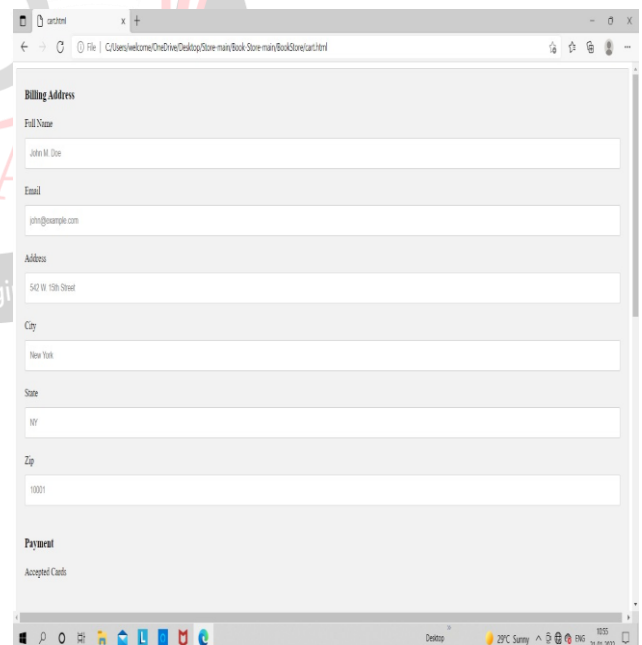
Figure 5.4 Category of books

The following figure 5.5 represent the help desk. The help desk allows the user to provide feedback or leave any query regarding the issues in the online book. The help desk allows the user to interface with the customers for purchasing the books online.

Figure 5.5 Help desk

The following figure 5.6 represents the billing details for the book that is being purchased. The cart contains the information about the description of the books. The description of the book contains the information about the name, category, author, edition and finally the price. Once the book is selected the user can pay using the credit or the debit card.

Figure 5.6 Billing details

VII.CONCLUSION

The online book store is created using the HTML and CSS.It is an online wen based application where the customers can buy the books in online anywhere at any time. The advantage of using the online book store is the system saves both time and travelling cost of the customers. The customers can get their books delivered instead of actually going and buying

the book. In Online book store the online payment can be done and the books can be returned easily. The quality of the paper is always maintained

VIII. FUTURE WORK

The future work can be enhanced by adding the SMS based alert system for purchasing the book and they can also sell their old book in the future. The administrator of the web site can be added more functionality by checking the profile of the customers and can place the books to have be reordered. The online book store can allow the user to perform multiple shopping carts.

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