

ONLINE BOOK SHOPPING SYSTEM

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Acknowledgement

I would like to express my deep sense of gratitude and deep regards to my faculty and project mentor Prof. Tanmoy Halder as well as our Principal Dr. Arunava Mukherjee who gave me the golden opportunity to do this wonderful project on **“Online Book Shopping System”**. Prof. Tanmoy Halder sir helped me a lot with his exemplary guidance and constant sublime throughout the making of this project. I am feeling oblige to express that the blessings, supports and encouragement which I have got from them will strongly carry me a long way in my journey of life on which I am about to embark.

Introduction/Aim

Online Book Shopping is a web based application developed project using Java Server Pages to provide efficient shopping via online method. Many customers currently use a manual online portal to buy any things. By surrounded this kind of shopping, this system has been made. These are a wide variety of applications for shopping via online. They have become increasingly popular over the year and now utilized in many more online platforms that we use. The application is reduce as much as possible to avoid errors while entering the data as well as to retrieve them. As we all see that Amazon, Flip kart etc. all these are online platforms handles their portal on adding new books with their all attributes and many functionalities so that customers can visit their portal and buy any books on their choice from it. Every organizations, whether big or small has challenges to overcome and managing the information of books, stocks, publishers, customers etc. in this system book details maintain, searching of books, buying of books, publisher details, adding book by publisher, updating all the records all these must be maintained in an efficient and cost wise fashion.

AIM: the main aim of the project is to create an online book store that allows users to search and purchase a book online based on name, author. The selected books will be displayed in a tabular format. Customers can order their books and make their payments via online mode.

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Objective

1. The main objective of the system is used to provide online book shopping solution to the customers.
2. Our aim is to provide the service to every customer to login with the default login id and password which will offer by the system.
3. This project provides security for the users and publishers with the use of login id as well as password so that unauthorized customer or publisher cannot access the system.
4. The project is all about providing customers to purchase their needed books from anywhere without stepping out.
5. At every time of shopping the system will provide one time password verification so that the shopping does not become any mismatch.

Project Category

1. RDBMS
2. Software Development project with Database

Requirements

Software Requirements:

1. **OS:** Windows 8.1 pro
2. **Database:** My SQL
3. **IDE:** Net Beans 7.0
4. **Server:** Apache 7.0.1
5. **Language:** Java J2EE Runtime Environment
6. **Scripting Language:** Java Server Pages
7. **SDK:** Java jdk 6.7.1
8. **Frontend:** HTML, CSS, JavaScript
9. **Database Connector:** My SQL JDBC Driver

Hardware Requirements:

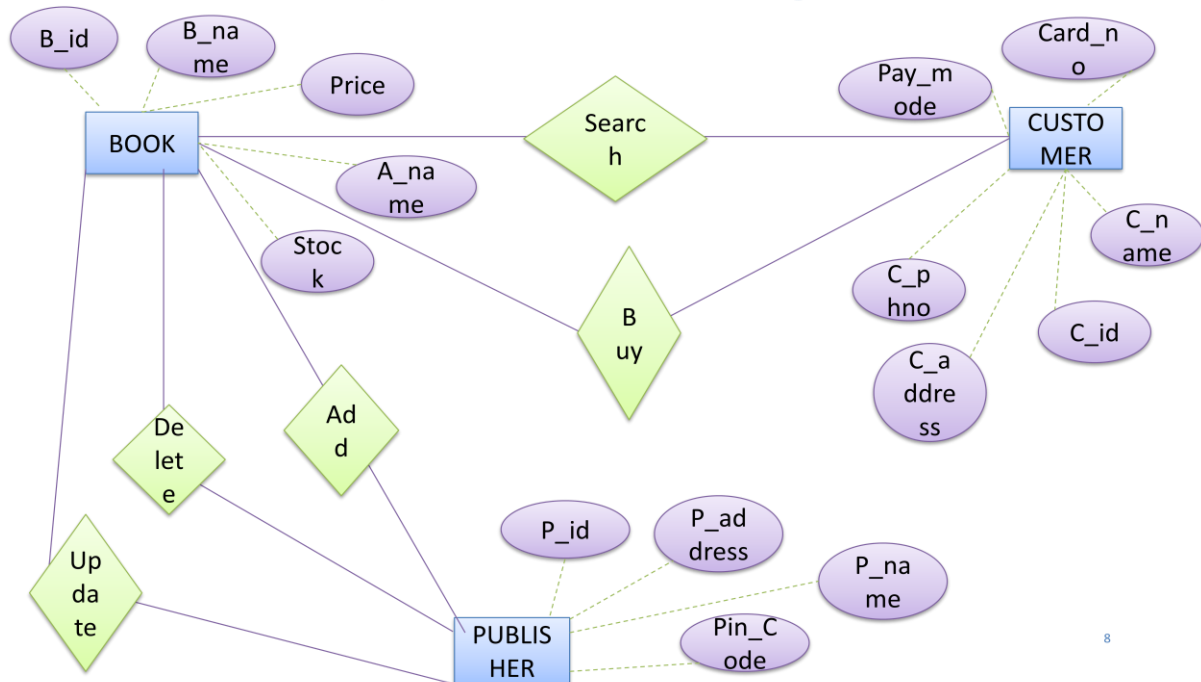
1. **Processor:** Intel core i3
2. **Hard Disk:** 1 TB
3. **Memory:** 4GB RAM
4. **Mouse:** Any standard
5. **Keyboard:** Any standard

Feasibility Study

1. **Technical feasible:** Technically, this project is very feasible because of use of current and latest technologies.
2. **Financial feasible:** Financially, this project is very feasible, it made up in very low cost and it will be free for all customers for shopping.
3. **Operational feasible:** Operationally, this project is very easy to use.

Entity Relationship Diagram

Entity Relationship Diagram

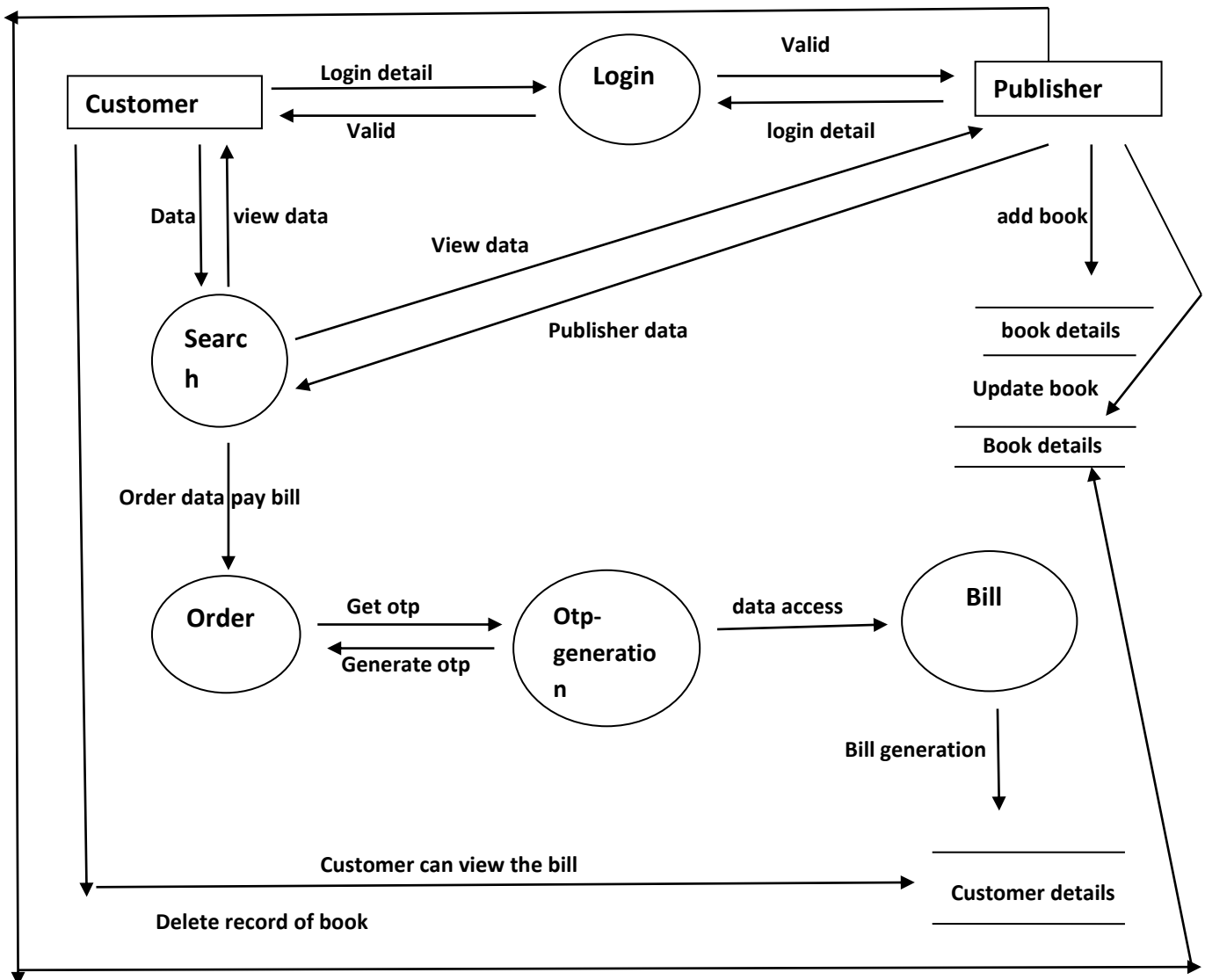


Data flow Diagram

LEVEL 0:



LEVEL 1:



Testing

1. Unit testing: testing each module individually to fix the bug and make an error free code.
2. Integration testing: all individual modules have been combined together and tested them as a group to fix the bug and make an error free code.

Modules

1. **Customer login**: In this system, customer login plays an important role, to login themselves into this system with login id and password and go through with the system.
- I. **Search of book**: After login this module provides information option regarding what type of searching customer wants, whether it can be search by book name or search by Author name:
 - i. **Search by book name**: This module provides all types of book names which have been recorded in the database and customer can view the book names by searching the book names.
 - ii. **Search by author name**: This module provides all types of book names which have been already recorded in the database and customer and view the book by searching the name of Author of the book.
- I. **Fill-up for order details**: After searching the book, customer can directly visit the details fill up page for ordering the book.
- II. **One time password generation**: After filling the all details the one time password generation will be generated to maintain the mismatch with another customer's shopping.
- III. **Bill detail**: At last the bill generation method will be encountered to view the final bill with respect to the whole customer shopping details.

1. **Publisher login**: In this system, publisher login module plays also another important role, to login themselves into this system and go through with the process.
- I. **Add book**: After login publisher, publisher can add books via using this system which will be reflected at the database after added.
- II. **Delete record of book**: Publisher can also delete a record of book which is not needed.
- III. **Update book**: In this module, publisher can also update the detail of book by using the bookid which is unique for each book.
- IV. **View publisher details**: In this module, publisher can view his/her details by using this system.
- V. **View book details**: In this module, publisher can also view the book details.

Stock Management

In this system stock management module plays an important role. This module emphasizes on maintaining the management of the whole database. It manages the information about book with their attributes as well as publishers' attributes. It also manages the customer record database. It also can handle to keep the new records of the stock of rest books.

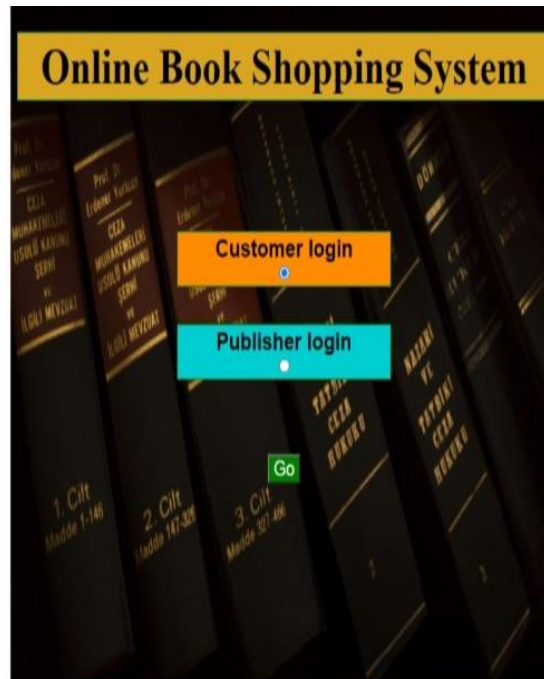
Advantages

1. Customers can get their books delivered instead of stepping out and finding a ideal store to buy the book.
2. Customer can do payment online.
3. This system saves both time and travelling cost of customers.
4. User can get to know different kind of books by searching books.
5. No chance of any mismatch of customer shopping.

Disadvantages

1. Need a lot of trust to use online book shopping. Because there is no option to see and touch that physically.
2. There is no guarantee between views of books via online and view of book after delivered would be same.
3. As this is online mode shopping so there is huge chances to be hacked.
4. There may not be any chances of returning of books.

Customer login screenshot

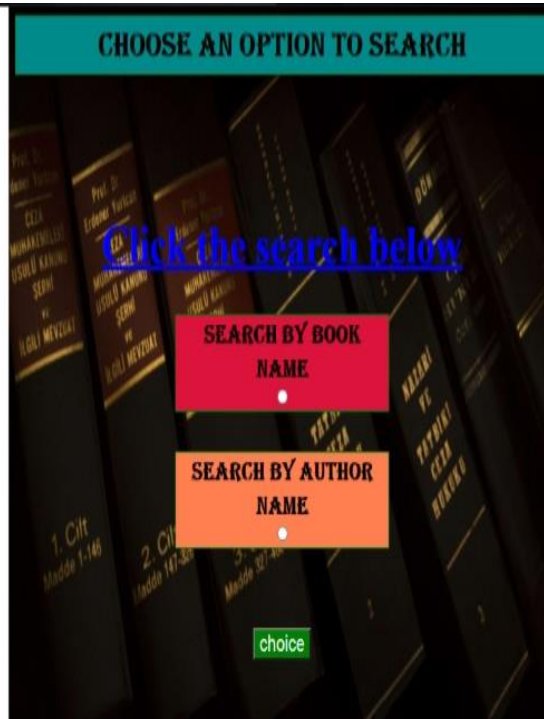


Customer login

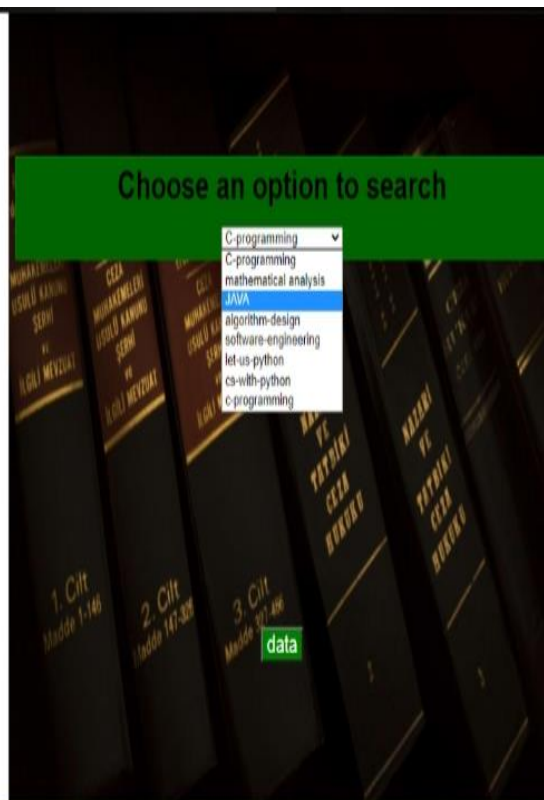


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Search option



Choosing of books



Book details after choosing

Book Details

BOOKID	BOOK-NAME	AUTHOR-NAME	PUBLISHER-ID	PUBLISHER-NAME	PUBLISHER-ADDRESS	PIN-CODE	PRICE	STOCK
9	C-programming	E.balaguruswamy	198	Academy	KolkATA	700003	459	10
12	C-programming	E.balaguruswamy	143	Academy	Delhi	123456	449	94
65	C-programming	E.balaguruswamy	101	Academy	kolkata	700001	129	20
4012	c-programming	e-balaguswamy	339	prentice-hall	kolkata	700009	419	84

Want to buy this book?

☐ YES ☐ NO

Click on fillup to fill your details!

Activate Windows
Go to PC settings to activate Windows.

Order the book

ORDER DETAILS

BOOKID:

CUSTOMER NAME:

CUSTOMER ID:

PHONE NUMBER:

ADDRESS:

ORDER DATE:

PAYMENT MODE:

CARD NUMBER:

QUANTITY:

Activate Windows
Go to PC settings to activate Windows.

Order details with otp generation

Order details

BOOKID	CUSTOMERNAME	CUSTOMERID	PHONE NUMBER	ADDRESS	ORDERDATE	PAYMENTMODE	CARDNUMBER	QUANTITY	OTP
12	SOUVIK GANGULY	220	9093191225	KURURIA DANGA, MILLAN PALLY, HOUSE NO E-3/5,	2021-03-01	UBI	1478523698745216	2	23

Re-enter the otp

23

Want to process the order ?

☒ yes ☐ no

confirm

Activate Windows
Go to PC settings to activate Windows.

Bill generation after purchasing

Your bill details

Customername: Souvik Ganguly

Bookid: 12
Bookname: C-programming
Authorname: E.balaguruswamy
Publishername: Academy
Price: 449
Customerid: 220
Customer-phone-num: 9093191225
Shipping Address: Kururia danga, millan pally , house no e-3/5,
Orderdate: 2021-03-01
Paymentmode: UBI
Quantity: 2
OTP: 23
Total amount paid: 898.0

Activate Windows
Go to PC settings to activate Windows.

Codes of the project/index page

<%--

Document : index

Created on : 3 Feb, 2021, 4:03:06 PM

Author : user

--%>

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<style>

body{

background-image:url("wp4430592.jpg");

background-repeat:no-repeat;

background-size:700px 700px;

background-attachment: fixed;

background-position: 50% 50%;

}

</style>

<body>

<center>
 <style>

.mydiv1{

background-color:goldenrod;

padding:5px;

border:1px solid green;

width: 50%;

```

        height: 10%;
    }
</style>
<div class="mydiv1">
    <b> <center><font face="italic" size="7pts" color="black">
Online Book Shopping System</center></div></font>
    <form action="select.jsp">
<br><br><br><br><br><br><br>
<style>
.mydiv9{
    background-color:darkorange;
    padding:2px;
    border:1px solid green;
    width: 20%;
    height: 10%;
}
</style>
<div class="mydiv9">
    <b> <center><font face="arial" size="5pts" color="black">
Customer login</center></font><input type="radio" name="x"value="customer"></div>
<br><br>
<style>
.mydiv8{
    background-color:darkturquoise;
    padding:2px;
    border:1px solid green;
    width: 20%;
    height: 10%;
}
</style>
<div class="mydiv8">

```

```

        <b> <center><font face="arial" size="5pts" color="black">

Publisher login</center></font><input type="radio" name="x" value="publisher"></div>

<br><br><style>

    .button{

        font-size:20px;

        color:white;

        background-color: green;

    }</style>

<br><br>

    <input type="Submit" value="Go" class="button"></font>

</form>

</center>

</body>

</html>

```

Customer login

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

    <head>

        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

        <title>JSP Page</title>

    </head>

    <style>

body{

    background-image:url("wp4430592.jpg");

    background-repeat:no-repeat;

    background-size:700px 700px;

    background-attachment: fixed;

    background-position: 50% 50%;

```

```

    }

</style>

<body>

<center><style>

    .mydiv{

        background-color:darkcyan;

        padding:5px;

        border:1px solid green;

        width: 50%;

        height: 20%;

    }

</style>

<div class="mydiv">

    <b> <center><font face="algerian" size="6pts" color="black">

        Choose an option to search</center></div><br><br><br></font>

<font color="blue" face="italic" size="7pts"><u>

<%

    String usn=request.getParameter("username");

    String pwd=request.getParameter("password");

    if(usn.toLowerCase().trim().equals("customer") &&
pwd.toLowerCase().trim().equals("customer1234"))

        {

            out.println("<script type=\"text/javascript\">");

            out.println("alert('Successfully logged in');");

            out.println("</script>");

            out.println("<center>Click the search below</center>");

            %>

            </font></u>

            <form action="choice.jsp">

                <center> <br><br>

                <style>

.mydiv{

```

```

        background-color:crimson;

        padding:2px;

        border:1px solid green;

        width: 20%;

        height: 10%;

    }

</style>

<div class="mydi">

    <b> <center><font face="algerian" size="5pts" color="black">

Search by book name</center></font>

        <input type="radio" name="R1" value="a"></div>

        <br><br>

        <style>

.mydi1{

    background-color:coral;

    padding:2px;

    border:1px solid green;

    width: 20%;

    height: 10%;

}

</style>

<div class="mydi1">

    <b> <center><font face="algerian" size="5pts" color="black">

Search by Author name</center></font>

        <input type="radio" name="R1" value="b"></div>

        <br><br><style>

        .button{

            font-size:20px;

            color:white;

            background-color: green;

```

```

    }</style>

    <br><br>

    <input type="submit" value="choice" class="button">

    </font>

<%
        }

else

    {

        out.println("<script type=\"text/javascript\">");
        out.println("alert('incorrect login id or password');");
        out.println("location='index.jsp';");
        out.println("</script>");

    }

%>

    </center>

    </b>

    </form>

    </font>

</body>

</html>

```

Customer choice

```

<%--
    Document   : choice
    Created on : 3 Feb, 2021, 8:31:03 PM
    Author    : user
--%>

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

```



```

<head>

    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

    <title>JSP Page</title>

</head>

<style>
body{
    background-image:url("wp4430592.jpg");
    background-repeat:no-repeat;
    background-size:700px 700px;
    background-attachment: fixed;
    background-position: 50% 50%;
}
</style>
<body>
<center><font color="red" face="arial" size="6pts"><b><br><br>

    <%

    String str=request.getParameter("R1");
    if(str.toLowerCase().trim().equals("a"))
        {

    %>

    <form action="book.jsp">

        <br>

        <style>
.mydi2{
    background-color:darkgreen;
    padding:5px;
    border:1px solid green;
    width: 50%;
    height: 20%;
}
</style>

```

```

<div class="mydi2">

    <b> <center><font face="arial" size="6pts" color="black">

Choose an option to search</center></font>

    <select name="book">

        <option value="1">C-programming

        <option value="2">mathematical analysis

        <option value="3">JAVA

        <option value="4">algorithm-design

        <option value="5">software-engineering

        <option value="6">let-us-python

        <option value="7">cs-with-python

        <option value="8">c-programming

    </select></div>

<br><br><br><br><br><br><br><br><style>

    .button{

        font-size:20px;

        color:white;

        background-color: green;

    }</style>

    <input type="submit" value="data" class="button">

</form>

<%

    }

else

    {

%>

<form action="author.jsp">

    <br>

    <style>

.mydi4{

```

```

background-color:darkgreen;

padding:5px;

border:1px solid green;

width: 50%;

height: 20%;

}

</style>

<div class="mydi4">

    <b> <center><font face="arial" size="6pts" color="black">

Choose an option to search</center></font><select name="author">

    <option value="1">E.balaguruswamy

    <option value="2">sitansu-banerjee

    <option value="3">steven-s-skiena

    <option value="4">Rajib-Mall

    <option value="5">VASHVANT-KANETKAR

    <option value="6">sumita-arora

    <option value="7">e-balaguruswamy

</select></div>

<br><br><br><br><br><br><br><br><style>

.button{

font-size:20px;

color:white;

background-color: green;

}

</style>

<input type="submit" value="data" class="button">

</form>

<%

    }

%>

</font>

```

</body>

</html>

Book search

<%--

Document : book

Created on : 3 Feb, 2021, 9:18:55 PM

Author : user

--%>

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<%@page import ="java.util.*"%>

<%@page import ="java.sql.*"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<style>

body{

background-image:url("wp4430592.jpg");

background-repeat:no-repeat;

background-size:700px 700px;

background-attachment: fixed;

```

        background-position: 50% 50%;
    }
</style>
<body>
<center>  <b>  <form name="form1" action="fillup.jsp"><style>
        .mydiv{
            background-color:darkgreen;
            padding:5px;
            border:1px solid green;
            width: 50%;
            border-style:dotted;
        }
    </style>
    <div class="mydiv">
        <center><font face="italic" size="7pts" color="black">
            Book Details </font></center></div></style>

    <%
    try
        {
            Connection con=null;
            Class.forName("com.mysql.jdbc.Driver");
            con=DriverManager.getConnection("jdbc:mysql://localhost/project2","root","");
            %>
            <br>
            <%
            String st=request.getParameter("book");
            Statement stmt=null;
            ResultSet rs=null;
            if(st.toLowerCase().trim().equals("1"))
                {

```

```

        String SQL="select * from book where book_name='C-programming'";
stmt=con.createStatement();
rs=stmt.executeQuery(SQL);
    }
    else if(st.toLowerCase().trim().equals("2"))
    {
        String SQL="select * from book where book_name='mathematical analysis'";
        stmt=con.createStatement();
        rs=stmt.executeQuery(SQL);
    }
else if(st.toLowerCase().trim().equals("3"))
    {
        String SQL="select * from book where book_name='JAVA'";
        stmt=con.createStatement();
        rs=stmt.executeQuery(SQL);
    }
else if(st.toLowerCase().trim().equals("4"))
    {
        String SQL="select * from book where book_name='algorithm-design'";
        stmt=con.createStatement();
        rs=stmt.executeQuery(SQL);
    }
else if(st.toLowerCase().trim().equals("5"))
    {
        String SQL="select * from book where book_name='software-engineering'";
        stmt=con.createStatement();
        rs=stmt.executeQuery(SQL);
    }
else if(st.toLowerCase().trim().equals("6"))
    {
        String SQL="select * from book where book_name='let-us-python'";

```

```

        stmt=con.createStatement();

        rs=stmt.executeQuery(SQL);

    }

else if(st.toLowerCase().trim().equals("7"))

    {

        String SQL="select * from book where book_name='cs-with-python'";

        stmt=con.createStatement();

        rs=stmt.executeQuery(SQL);

    }

else

    {

        String SQL="select * from book where book_name='c-programming'";

        stmt=con.createStatement();

        rs=stmt.executeQuery(SQL);

    }

%>

<font color="black" face="itslic" size="5pts">

<br><table border="1" bordercolor="red" bgcolor="white">

    <tr>

        <td>BOOKID</td>

        <td>BOOK-NAME</td>

        <td>AUTHOR-NAME</td>

        <td>PUBLISHER-ID</td>

        <td>PUBLISHER-NAME</td>

        <td>PUBLISHER-ADDRESS</td>

        <td>PIN-CODE</td>

        <td>PRICE</td>

        <td>STOCK</td>

    </tr>

    <tr>

        <%

```

```

while(rs.next())
    {
        %>

        <td><%out.println(rs.getString("bookid"));%></td>

        <td><%out.println(rs.getString("book_name"));%></td>

        <td><%out.println(rs.getString("author_name"));%></td>

        <td><%out.println(rs.getString("publisher_id"));%></td>

        <td><%out.println(rs.getString("publisher_name"));%></td>

        <td><%out.println(rs.getString("publisher_address"));%></td>

        <td><%out.println(rs.getString("pin_code"));%></td>

        <td><%out.println(rs.getString("price"));%></td>

        <td><%out.println(rs.getString("stock"));%></td>

    </tr>
    <%
        }

        %>
</table>

    <%
        con.close();

        }

    catch(SQLException e)
        {

            out.println("SQL Exception:"+e.toString());

        }

    catch(ClassNotFoundException cE)
        {

            out.println("Class not found:"+cE.toString());

        }

    %>

    <br></font>

    <style>

```



```

.mydi6{
    background-color:dodgerblue;
    padding:2px;
    border:1px solid green;
    width: 30%;
    height: 20%;
}

</style>

<div class="mydi6">
    <b> <center><font face="arial" size="5pts" color="black">
Want to buy this book?</center></font>
<font color="green" face="italic" size="4pts"> <input type="radio" name="RA" value="t">yes</font>
<font color="red" face="italic" size="4pts"><input type="radio" name="RA" value="f">no</font>
    </div> </font>

    <hr width="50%" color="brown">

    <br><br><br><font color="yellow" size="5pts" face="arial">

Click on fillup to fill your details!

<style>
    .button{
        font-size:20px;
        color:white;
        background-color: green;

    }</style>

    <input type="submit" value="fillup" class="button">

</form>

</center></b>

</font>

</body>

</html>

```

Order book

<%--

Document : order

Created on : 4 Feb, 2021, 3:34:01 PM

Author : user

--%>

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<%@page import="java.util.*"%>

<%@page import="java.sql.*"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<style>

body{

background-image:url("wp4430592.jpg");

background-repeat:no-repeat;

background-size:700px 700px;

background-attachment: fixed;

background-position: 50% 50%;

}

</style>

<body>

<center>

```

<form action="bill.jsp">

    <style>
.mydiv3{
    background-color:darkgoldenrod;

    padding:3px;

    border:1px solid green;

    width: 20%;

    height: 10%;

    }
</style>

<div class="mydiv3">

    <b> <center><font face="arial" size="6pts" color="black">
Order details</center></div><br><br></font>

    <%

String bookid=request.getParameter("t2");

String qt=request.getParameter("t9");

int stock=Integer.parseInt(qt);

int st,fl=1;

try

        {

Connection con=null;

Class.forName("com.mysql.jdbc.Driver");

con=DriverManager.getConnection("jdbc:mysql://localhost/project2","root","");

Statement stmt=null;

ResultSet rs=null;

String SQL="select * from book where bookid='"+bookid+"'";

stmt=con.createStatement();

rs=stmt.executeQuery(SQL);

while(rs.next())

        {

String str=rs.getString("stock");

```

```

        st=Integer.parseInt(str);

        if(stock>st)

            fl=0;

            }

        con.close();

    }

catch(SQLException e)

{

    out.println("SQL Exception:"+e.toString());

}

catch(ClassNotFoundException cE)

{

    out.println("class not found:"+cE.toString());

}

        if(fl==0)

            {

                out.println("<script type=\"text/javascript\">");

                out.println("alert('sorry book is out of stock');");

                out.println("location='choice.jsp';");

                out.println("</script>");

            }

        else

            {

                try

                    {

                        Connection con=null;

                        Class.forName("com.mysql.jdbc.Driver");

                        con=DriverManager.getConnection("jdbc:mysql://localhost/project2","root","");

                        String c_name=request.getParameter("t3");

                        String c_id=request.getParameter("t4");

```

```

String ph_no=request.getParameter("t5");
String add=request.getParameter("t6");
String od=request.getParameter("t7");
String pm=request.getParameter("bank");
String card=request.getParameter("t8");
String paymentmode;
Statement stmt=null;
int rs=0;
if(pm.toLowerCase().trim().equals("1"))
    paymentmode="SBI";
else if(pm.toLowerCase().trim().equals("2"))
    paymentmode="UBI";
else if(pm.toLowerCase().trim().equals("3"))
    paymentmode="HDFC";
else if(pm.toLowerCase().trim().equals("4"))
    paymentmode="Pytym";
else
    paymentmode="Netbanking";
String SQL="insert into customerorder (bookid,
customername,customerid,phno,address,orderdate,paymentmode,cardnumber,quantity)
values('"+bookid+"','"+c_name+"','"+c_id+"','"+ph_no+"','"+add+"','"+od+"','"+paymentmode+"','"+card+"','
"+qt+"')";
stmt=con.createStatement();
rs=stmt.executeUpdate(SQL);
con.close();
    }
catch(SQLException e)
    {
        out.println("SQL Exception:"+e.toString());
    }

    catch(ClassNotFoundException cE)
        {
            out.println("class not found:"+cE.toString());
        }

```

```

        }

try
    {
        Connection con=null;

        Class.forName("com.mysql.jdbc.Driver");

        con=DriverManager.getConnection("jdbc:mysql://localhost/project2","root"," ");

        Statement stmt=null;

        ResultSet rs=null;

        String SQL1="select * from customerorder where otp=(select max(otp) from
customerorder)";

        stmt=con.createStatement();

        rs=stmt.executeQuery(SQL1);

        %>

        <font color="black" size="4pts" face="algerian">

        <table border="1" bgcolor="white" bordercolor="red">

            <tr>

                <td>bookid</td>

                <td>customername</td>

                <td>customerid</td>

                <td>phonenumber</td>

                <td>address</td>

                <td>orderdate</td>

                <td>paymentmode</td>

                <td>cardnumber</td>

                <td>quantity</td>

                <td>otp</td>

            </tr>

        <%

        while(rs.next())

            {

                %>

                <tr>

```

```

        <td><%out.println(rs.getString("bookid"));;%></td>
        <td><%out.println(rs.getString("customername"));;%></td>
        <td><%out.println(rs.getString("customerid"));;%></td>
        <td><%out.println(rs.getString("phno"));;%></td>
        <td><%out.println(rs.getString("address"));;%></td>
        <td><%out.println(rs.getString("orderdate"));;%></td>
        <td><%out.println(rs.getString("paymentmode"));;%></td>
        <td><%out.println(rs.getString("cardnumber"));;%></td>
        <td><%out.println(rs.getString("quantity"));;%></td>
        <td><%out.println(rs.getString("otp"));;%></td>
    </tr>
<%
    }

%>
</table>
<%
String SQL="update book set stock=stock-""+stock+""where bookid='"+bookid+"'";
stmt=con.createStatement();
int r=stmt.executeUpdate(SQL);
con.close();
    }
catch(SQLException e){
    out.println("SQL Exception:"+e.toString());
    }
catch(ClassNotFoundException cE)
    {
        out.println("class not found:"+cE.toString());
    }
%>
<br><br>

```

```

        </font>

        <style>
.mydiv4{
    background-color:darkcyan;

    padding:2px;

    border:1px solid green;

    width: 20%;

    height: 10%;

}
</style>

<div class="mydiv4">

    <b> <center><font face="arial" size="4pts" color="black">
Re-enter the otp</center></font>

        <input type="text" size="10" name="oc"></div>

        <font color="cyan" size="6pts" face="arial">

        <br>Want to process the order ?

        <br>

        <font color="green" face="italic" size="4pts"> <input type="radio" name="r1"
value="t">yes</font>

        <font color="green" face="italic" size="4pts"> <input type="radio" name="r1"
value="f">no</font>

        <br><br><br><style>

        .button{

            font-size:20px;

            color:white;

            background-color: green;

        }</style>

        <input type="submit" value="confirm" class="button">

        <%

                }

        %>

```


</form>

</body>

</html>

Bill

<%--

Document : bill

Created on : 4 Feb, 2021, 10:45:03 PM

Author : user

--%>

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<%@page import ="java.util.*"%>

<%@page import ="java.sql.*"%>

<%String otp=request.getParameter("oc");%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<style>

body{

background-image:url("wp4430592.jpg");

background-repeat:no-repeat;

background-size:700px 700px;

background-attachment: fixed;

background-position: 50% 50%;

}

</style>

```

<body>

<center><font color="white" face="algerian" size="6pts"><b>

    <style>

    .mydiv5{

        background-color:burlywood;

        padding:2px;

        border:1px solid green;

        width: 20%;

        height: 10%;

    }

</style>

<div class="mydiv5">

    <b> <center><font face="arial" size="6pts" color="black">

Your bill details</center></div><br></font>

</font>

<font color="blue" size="5pts" face="arial">

<form name="f1">

    <%

    try

        {

            Connection con=null;

Class.forName("com.mysql.jdbc.Driver");

con=DriverManager.getConnection("jdbc:mysql://localhost/project2","root","");

String st=request.getParameter("r1");

Statement stmt=null;

ResultSet rs=null;

if(st.toLowerCase().trim().equals('f'))

    {

out.println("<script type=\"text/javascript\">");

        out.println("alert('thank you for visiting our portal');");

        out.println("location='index.jsp'");

```

```

        out.println("</script>");
    }

else
{
String SQL="select * from book,customerorder where book.bookid=customerorder.bookid and
customerorder.otp='"+otp+"'";

stmt=con.createStatement();

rs=stmt.executeQuery(SQL);

%>

<center>

<table border="1" bordercolor="red" bgcolor="white">

<%

while(rs.next())

{

String pr=rs.getString("price");

String qt=rs.getString("quantity");

double p=Double.parseDouble(pr);

int q=Integer.parseInt(qt);

double amt=p*q;

%>

<tr><td>Bookid: <%out.println(rs.getString("bookid"));;%></td></tr>

<tr><td>Bookname: <%out.println(rs.getString("book_name"));;%></td></tr>

<tr><td>Authorname: <%out.println(rs.getString("author_name"));;%></td></tr>

<tr><td>Publishername: <%out.println(rs.getString("publisher_name"));;%></td></tr>

<tr><td>Price: <%out.println(rs.getString("price"));;%></td></tr>

<tr><td>Customername: <%out.println(rs.getString("customername"));;%></td></tr>

<tr><td>Customerid: <%out.println(rs.getString("customerid"));;%></td></tr>

<tr><td>Customer-phone-num: <%out.println(rs.getString("phno"));;%></td></tr>

<tr><td>Shipping Address: <%out.println(rs.getString("address"));;%></td></tr>

```

```

        <tr><td>Orderdate: <%out.println(rs.getString("orderdate"));%></td></tr>

        <tr><td>Paymentmode: <%out.println(rs.getString("paymentmode"));%></td></tr>

        <tr><td>Quantity: <%out.println(rs.getString("quantity"));%></td></tr>

        <tr><td>OTP: <%out.println(rs.getString("otp"));%></td></tr>

        <tr><td>Total amount paid: <%out.println(amt);%></td></tr>

        <%

                }

%>

</table>

<%

}

con.close();

        }

        catch(SQLException e)

                {

                        out.println("SQL Exception:"+e.toString());

                }

        catch(ClassNotFoundException cE)

        {

                out.println("class not found:"+cE.toString());

        }

%>

</font>

</form>

</body>

</html>

```

Database view of book records

```
C:\Program Files (x86)\MySQL\MySQL Server 5.1\bin\mysql.exe
Enter password: *
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 141
Server version: 5.1.36-community MySQL Community Server (GPL)

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use project2;
Database changed
mysql> select * from book;
```

| bookid | book_name | author_name | publisher_id | publisher_name | publisher_address | pin_code |
|--------|-----------------------|------------------|--------------|----------------|-------------------|----------|
| 9 | C-programming | E.balaguruswamy | 198 | Academy | KolkATA | 700003 |
| 12 | C-programming | E.balaguruswamy | 143 | Academy | Delhi | 123456 |
| 13 | JAVA | E.balaguruswamy | 771 | BPB | Kolkata | 700003 |
| 33 | mathemetical analysis | sitansu-banerjee | 31 | pearson | Kolkata | 700003 |
| 65 | C-programming | E.balaguruswamy | 101 | Academy | kolkata | 700003 |
| 156 | JAVA | E.balaguruswamy | 101 | Academy | Kolkata | 700003 |
| 199 | algorithm-design | steven-s-skiena | 31 | springer | kakinada | 300093 |
| 1111 | software-engineering | Rajib-Mall | 131 | pearson | Delhi | 720003 |
| 2234 | algorithm-design | steven-s-skiena | 140 | BPB | KOLKATA | 700003 |
| 3301 | cs-with-python | sumita-arora | 32 | dhanpat-rai | Kolkata | 700003 |
| 4012 | c-programming | e-balaguswamy | 339 | prentice-hall | kolkata | 700003 |

```
11 rows in set (0.00 sec)

mysql>
```

Database view of customer records

```
C:\Program Files (x86)\MySQL\MySQL Server 5.1\bin\mysql.exe
```

| bookid | book_name | author_name | publisher_id | publisher_name | publisher_address | pin_code |
|------------|------------------|------------------|--------------|---|-------------------|----------|
| 1171 | Souvik Ganguly | 1234 | 1234567890 | Kururia danga, millan pally , house no e-3/5, | 04/02/20 | |
| 199 | Souvik Ganguly | 1234 | 3 4 | Kururia danga, millan pally , house no e-3/5, | 04/02/2 | |
| 199 | Souvik Ganguly | 124 | 9093191225 | Kururia danga, millan pally , house no e-3/5, | 04/02/2 | |
| 4012 | Souvik Ganguly | 222 | 6 | Kururia danga, millan pally , house no e-3/5, | 04/02/2 | |
| anking | xxxxxx | 01 | 7 | Kururia danga, millan pally , house no e-3/5, | 04/02/2 | |
| 1171 | Souvik Ganguly | 01 | 1234567891 | Kururia danga, millan pally , house no e-3/5, | 05/02/2 | |
| 1122334455 | Souvik Ganguly | 33 | 8 | Kururia danga, millan pally , house no e-3/5, | 05/02/2 | |
| 3301 | Souvik Ganguly | 112233 | 9 | Kururia danga, millan pally , house no e-3/5, | 14/01/20 | |
| anking | 123456789 | 000000 | 10 | Kururia danga, millan pally , house no e-3/5, | 14/01/20 | |
| 3301 | Souvik Ganguly | 123321 | 11 | Kururia danga, millan pally , house no e-3/5, | 21/02/20 | |
| 3301 | Souvik Ganguly | 27 | 9093191225 | Kururia danga, millan pally , house no e-3/5, | 21/02/20 | |
| 2234 | Souvik Ganguly | 11 | 1111122222 | Kururia danga, millan pally , house no e-3/5, | 22/02/20 | |
| 156 | Souvik Ganguly | 002233 | 12 | Kururia danga, millan pally , house no e-3/5, | 22/02/20 | |
| 12 | Souvik Ganguly | 5 | 00123575 | Kururia danga, millan pally , house no e-3/5, | 2021-02 | |
| 12 | Souvik Ganguly | 401 | 1234567890 | Kururia danga, millan pally , house no e-3/5, | 2021-02 | |
| 4012 | Souvik Ganguly | 402 | 9988774455 | Kururia danga, millan pally , house no e-3/5, | 2021-02 | |
| anking | 7894561233214895 | 885 | 1122336655 | Kururia danga, millan pally , house no e-3/5, | 2021-02 | |
| 156 | Souvik Ganguly | 1122334455667581 | 0000000000 | Kururia danga, millan pally , house no e-3/5, | 2021-02 | |
| 4012 | Souvik Ganguly | 77 | 447788556699 | Kururia danga, millan pally , house no e-3/5, | 2021-02 | |
| 3301 | Souvik Ganguly | 12 | 1111122222 | Kururia danga, millan pally , house no e-3/5, | 2021-02 | |
| 2234 | Souvik Ganguly | 112 | 6545454802 | Kururia danga, millan pally , house no e-3/5, | 2021-02 | |
| 65 | Souvik Ganguly | 1109 | 415457821241 | Kururia danga, millan pally , house no e-3/5, | 2021-03 | |
| 12 | Souvik Ganguly | 220 | 9093191225 | Kururia danga, millan pally , house no e-3/5, | 2021-03 | |
| | 1478523698745216 | 2 | 23 | | | |

```
23 rows in set (0.00 sec)
```

Future scope

1. Online book shopping system can be made more secure by using the login id and password that is used by the both customers and publishers to buy books, and add books as well as update the records.
2. We can add printer in future.
3. We will host the platform on the online servers to make it accessible worldwide.
4. We can give more advance software for this system including more facilities.
5. We can develop the front end view with new technologies.

Conclusion

The Online book shopping system will manage the customers information by which customer can login this system and deals with their shopping on their choice. By using this system publisher can also login this system and can be performed on adding books, updating books, deleting books etc. This system count the stock of rest books after purchased. There is a database which maintains the all records of books, publishers as well as customers.