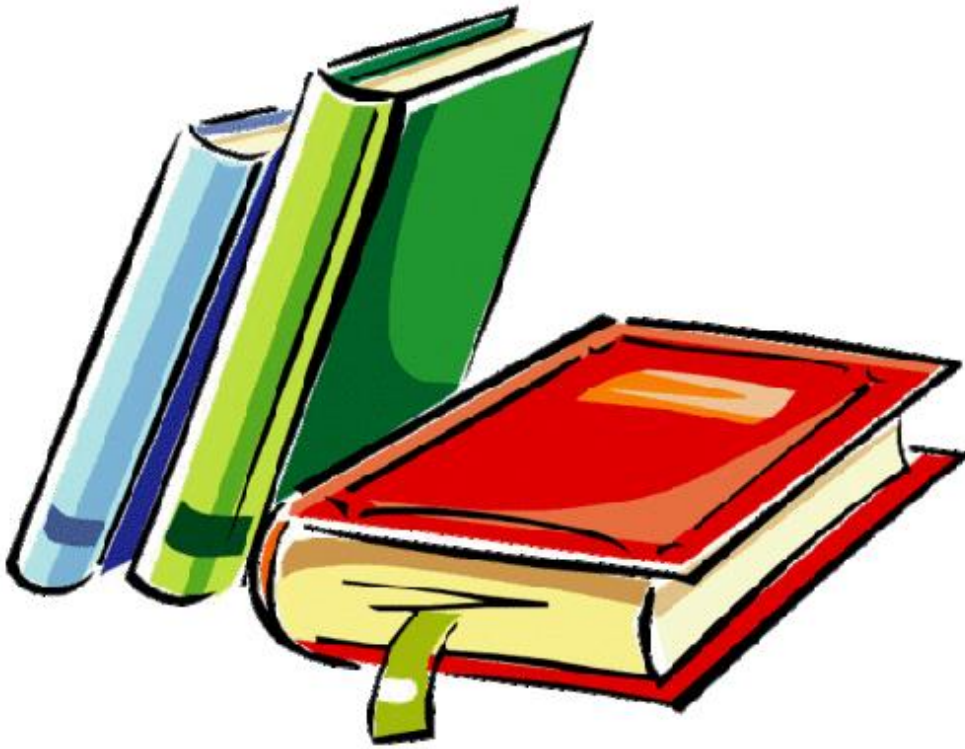


# Books Galore Library System

[Login](#)



```
<html>
  <head>
    <title>Welcome to Books Galore</title>
  </head>
  <body>
    <h1><font color = "orange"> Books Galore Library System</font></h1>
    <h3><a href="login.jsp">Login</a></h3>
    <br>
    <a href="login.jsp"></a></body>
</html>
```

## Books Galore Library System

Username:

Password:

Frisco, TX ▼

☒ Remember me

Login

Clear

```
<html>

  <head><title>User Login</title>

    <script type = "text/javascript">
function validateForm(form)
{
    var u = document.login.username.value;
    var p = document.login.password.value;

    if(u == "")
    {
        alert("You must enter your user name!");
        return false;
    }
    else if(pass == "")
    {
        alert("You must enter your password!");
        return false;
    }
    else
```

[illegible]

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## Books Galore Library System

John Doe, welcome to the library system!

Your time zone is Central. Current time is Jan 10, 2016 4:30 PM

[Manage Catalog](#)

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```
<%@ page import="java.util.GregorianCalendar, wu.andy.DateAssistant" %>
```

```
<html>
```

```
  <head><title>Library System Main Page</title></head>
```

```
  <body> <%@ include file="header.htm" %>
```

```
    <br>
```

```
    <h1><font color = "orange"> Books Galore Library System</font></h1>
```

```
<%
```

```
GregorianCalendar current = new GregorianCalendar();
```

```
String name = request.getParameter("username");
```

```
String pass = request.getParameter("password");
```

```
String location = request.getParameter("location");
```

```
if ( pass.equals("JPerry"))
```

```
{
```

```
  out.println(name + ", welcome to the library system!");
```

```
  out.println("<br /><br /> Your time zone is ");
```

```
  session.setAttribute("name", name);
```

```
  switch (Integer.parseInt(location))
```

```
{
```

```
  case 1:
```

```
    out.println("Eastern. Current time is ");
```

```
out.println(DateAssistant.formatDate(current, 1) + " ");
break;
case 2:
out.println("Central. Current time is ");
out.println(DateAssistant.formatDate(current, 2) + " ");
break;
case 3:
out.println("Pacific. Current time is ");
out.println(DateAssistant.formatDate(current, 3) + " ");
break;
case 4:
out.println("Hawaii. Current time is ");
out.println(DateAssistant.formatDate(current, 4) + " ");
break;
}
}
else
{
response.sendRedirect("login.jsp");
}
%>
<br>
<br>
<a href="catalog.jsp">Manage Catalog</a>
<%@ include file="footer.htm" %>
</body>
</html>
```

## Catalog.jsp

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Hi, John Doe!

### Library Catalog

	Bar Code	Call Number	Book Title	Available
<input type="radio"/>	<a href="#">101</a>	LB2351.2 .F475 2011	Crazy U	Yes
<input type="radio"/>	<a href="#">102</a>	HV8079.C65 C93 2008	Cyber Forensics	Yes
<input type="radio"/>	<a href="#">103</a>	HA32.S572 2004	SPSS for Introductory Statistics	Yes
<input type="radio"/>	<a href="#">104</a>	HG181.S37 1999	Securities Technology Handbook	No
<input type="radio"/>	<a href="#">105</a>	HN90.I56.L37 2005	Darknet	No
<input type="radio"/>	<a href="#">106</a>	BCJ971.B8 W5513 2010	Hagakure	Yes
<input type="radio"/>	<a href="#">107</a>	QA76.9 .A25 M567 2005	The Art of Intrusion	Yes
<input type="radio"/>	<a href="#">108</a>	BF76.7 .P83 2001	APA Publication Manual 5e	No

Add New Book

Delete Selected

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

<html>

<head>

<title>Library Catalog</title>

<%@ include file="header.htm" %>

<script>

function validate(object)
{
    if(object.value == "Add New Book")
    {
        document.forms.main.action="newbook.jsp";
    }
    else if (object.value == "Delete Selected")
```

```

        {
            document.forms.main.action="deleted.jsp";
        }
        document.forms.main.submit();
    }
</script>
</head>
<br>
<br>
<body>
<h3>Hi, <%= (session.getAttribute("name"))%>!</h3>

<h1><font color="orange">Library Catalog</font></h1>
<%

        Class.forName("com.mysql.jdbc.Driver").newInstance();
        Connection connection = DriverManager.getConnection(
            "jdbc:mysql://localhost:3306/PerryJ?user=root&password=bcis3680");
        Statement statement = connection.createStatement();

        ResultSet rs;

        String barcode = "";
        String callNum;
        String bookTitle;
        int checkedOut;

        String sqlBooks = "SELECT * FROM book";

        rs = statement.executeQuery(sqlBooks);

```

%>

<br>

<form name = "main" method = "post">

<table border="1" cellpadding="7">

<tr>

<th> </th>

<th>Bar Code</th>

<th>Call Number</th>

<th>Book Title</th>

<th>Available</th>

</tr>

<%

while (rs.next())

{

barcode = rs.getString("barcode");

callNum = rs.getString("callno");

bookTitle = rs.getString("title");

checkedOut = rs.getInt("onloan");

out.print("<td><input type = radio name = selectOption value = " + barcode + "></td>");

out.print("<td align = center><a href = book.jsp");

out.print("?barcode=" + barcode + ">" + barcode);

out.print("</a></td>");

out.print("<td>" + callNum + "</td>");

out.print("<td>" + bookTitle + "</td>");

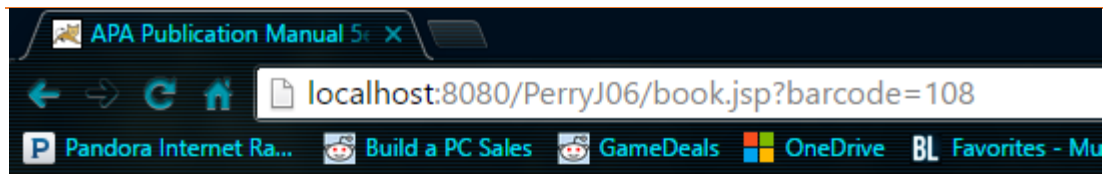
if (checkedOut == 0)

{out.println("<td align = center> No </td></tr>");}



[illegible]

## Book.jsp



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# APA Publication Manual 5e

Barcode: 108  
Call No: BF76.7 .P83 2001  
Binding: Paperback  
Price: \$49.95  
Publisher: APA

## Loan History

Patron	Type	Out	Due	In
Mandy Ellis	Faculty	09/28/2012	12/27/2012	12/03/2012

```
<%@ page import="java.sql.*, java.text.DecimalFormat, java.text.SimpleDateFormat,
wu.andy.DateAssistant" %>
```

```
<%
```

```
SimpleDateFormat sdf = new SimpleDateFormat("MM/dd/yyyy");
```

```
String barcode = request.getParameter("barcode");
```

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

```
Connection connection =
DriverManager.getConnection("jdbc:mysql://localhost:3306/PerryJ?user=root&password=bcis3680");
```

```
Statement statement = connection.createStatement();
```

```
ResultSet rs, rs1;
```

```
String bookTitle, bookcode, callNo, bookBinding, publisher;
```

```
double bookPrice;
```

```
DecimalFormat df = new DecimalFormat("$#,##0.00");
```

```
String sqlBooks = "SELECT * FROM book ";
```

```
sqlBooks += " WHERE barcode = " + barcode + ";;
```

```
rs = statement.executeQuery(sqlBooks);
```

```
rs.next();
```

```
bookTitle = rs.getString("title");
```

```
%>
```

```
<html>
```

```
<head>
```

```
<title><%= bookTitle %> Details </title>
```

```
<%@ include file="header.htm" %>
```

```
</head>
```

```
<body>
```

```
<br>
```

```
<%
```

```
bookcode = rs.getString("barcode");
```

```
callNo = rs.getString("callno");
```

```
bookBinding = rs.getString("binding");
```

```
bookPrice = rs.getDouble("price");
```

```
publisher = rs.getString("pub");
```

```
out.print("<h1><font color=\"orange\">" + bookTitle + "</font></h1>");
```

```
out.print("Barcode: " + barcode + "<br />");
```

```
out.print("Call No: " + callNo + "<br />");
```

```
out.print("Binding: " + bookBinding + "<br />");
```

```
out.print("<p1>Price: " + df.format(bookPrice) + "<br />");
```

```
out.print("<p1>Publisher: " + publisher + "<br />");
```

```
%>
```

```
<br>
```

```
<HR>
```

```
<h3><font color=orange>Loan History</font></h3>
```

```
<table cellpadding="4">
```

```
    <tr>
```

```
        <th align = "left">Patron</th>
```

```
        <th align = "left">Type</th>
```

```
        <th align = "left">Out</th>
```

```
        <th align = "left">Due</th>
```

```
        <th align = "left">In</th>
```

```
    </tr>
```

```
<%
```

```
    String lastName, firstName, wholeName, schoolType;
```

```
    int interval;
```

```
    Date loanDate, returnDate;
```

```
        String sqlBooks1 = "SELECT p.lname, p.fname, p.type, b.loandate, b.returndate  
FROM bookpatron b, patron p";
```

```
        sqlBooks1 += " WHERE b.pid = p.pid ";
```

```
        sqlBooks1 += " AND b.barcode = " + barcode + ";;
```

```
        rs1 = statement.executeQuery(sqlBooks1);
```

```
while (rs1.next())
```

```
    {
```

```
lastName = rs1.getString("lname");
```

```
firstName = rs1.getString("fname");
```

```

wholeName = firstName.concat(" " + lastName);
schoolType = rs1.getString("type");

        if (schoolType.equals("undergrad"))
            {interval = 30;}
        else if (schoolType.equals("graduate"))
            {interval = 60;}
        else
            {interval = 90;}

loanDate = rs1.getDate("loandate");
returnDate = rs1.getDate("returnDate");

        out.print("<td>" + wholeName + "</td>");
        out.print("<td>" + schoolType.substring(0,1).toUpperCase() + schoolType.substring(1) +
"</td>");

        out.print("<td>" + DateAssistant.convertDate(loanDate) + "</td>");
        out.print("<td>" + DateAssistant.calcNewDate(loanDate, interval) + "</td>");
        if (returnDate != null )
            out.print("<td>" + DateAssistant.convertDate(returnDate) + "</td></tr>");
        else
            out.print("<td>On Loan </td></tr>");
    }
    connection.close();

%>
</table>
</body>
<%@ include file="footer.htm" %>
</html>

```

## Add a New Book

Barcode:

Call Number:

Title:

Publisher:

Binding:  On loan: ☐ Yes ☒ No

Price:

```
<%@ page import="java.sql.*" %>
<html>
<head><title>Add a New Book</title>
<%@ include file="header.htm" %>
<SCRIPT LANGUAGE = "JAVASCRIPT">
function validate()
{

    if (document.forms.main.callNumber.value == "")
    {
        alert("Call number cannot be empty.");
        return false;
    }
}
```

```
else if (document.forms.main.title.value == "")
{
    alert("Title cannot be empty.");
    return false;
}
else if (document.forms.main.publisher.value == "")
{
    alert("Publisher cannot be empty.");
    return false;
}
else if (document.forms.main.binding.value <=1)
{
    alert("You must select a value for binding.");
    return false;
}
else if (document.forms.main.price.value < 0)
{
    alert("You must enter in a positive number.")
    return false;
}
else if (document.forms.main.price.value == "")
{
    alert("Price cannot be empty.")
    return false;
}
return true;
}
</SCRIPT>
```

```

</script>
</head>

<br>

<br>

<body>
<%

        Class.forName("com.mysql.jdbc.Driver").newInstance();
        String connection1 = "jdbc:mysql://localhost:3306/PerryJ";
        ServletContext sc = getServletContext();

        Connection connection = DriverManager.getConnection(connection1,
sc.getInitParameter("userName"), sc.getInitParameter("passWord"));

        Statement statement = connection.createStatement();

        ResultSet rs = statement.executeQuery("SELECT max( barcode ) AS \"maxBook\" FROM
book");

        int maxBookId = 0;
        while (rs.next())
        {
            maxBookId = rs.getInt("maxBook");
        }
        session.setAttribute("maxBookID", maxBookId + 1);

%>

<br />

<h1><font color="orange">Add a New Book</font></h1>

<FORM NAME = "main" ACTION = "added.jsp" METHOD = "POST">

Barcode: </td><INPUT TYPE="text" name = "barCode" value = "<%= String.valueOf(maxBookId+1) %>"
readonly></INPUT><br><br>

Call Number:<INPUT TYPE="text" name = "callNumber"></INPUT><br><br>

Title:<INPUT TYPE="text" name = "title"></INPUT><br><br>

Publisher:<INPUT TYPE="text" name = "publisher"></INPUT><br>

```



```

<p>Binding: <select name ="binding"><option value ="4">Hardcover</option>
<option value="3">Library</option>
<option value
="2">Paperback</option>
<option value ="1"selected>Select a
binding</option></select>&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
On loan:
<input type="radio" name="yesNo" value="1">Yes</input>
<input type="radio" name="yesNo" value="0"checked>No</input></p>
Price:<INPUT TYPE="text" name = "price"></INPUT>
<p>
<input type = "submit" VALUE = "Save" onclick ="return validate()"></input> &nbsp; &nbsp; &nbsp; &nbsp;
&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
<input type = "reset" VALUE = "Cancel" ></input></p>
</form>

<br />
<br />
<%@ include file="footer.htm" %>
</body>
</html>

```

## Catalog Update

New Book Updated Successfully.

```
<%@ page import="java.sql.*, java.text.DecimalFormat, java.text.SimpleDateFormat,
wu.andy.DateAssistant" %>

<%

    String barCodeDB = String.valueOf(session.getAttribute("maxBookID"));

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

    String connection1 = "jdbc:mysql://localhost:3306/PerryJ";

    ServletContext sc = getServletContext();

    Connection connection = DriverManager.getConnection(connection1,
sc.getInitParameter("userName"), sc.getInitParameter("passWord"));

    PreparedStatement ps = null;

    String callNumberDB = request.getParameter("callNumber");

    String titleDB = request.getParameter("title");

    String publisherDB = request.getParameter("publisher");

    String bindingDB = request.getParameter("binding");

    int newBindingDB = Integer.parseInt(bindingDB);

    String bindingType = "";

    if (newBindingDB == 2)
    {

        bindingType = "Hardcover";

    }

    else if (newBindingDB == 3)
```

```

        {
            bindingType = "Library";
        }
        else if (newBindingDB == 4)
        {
            bindingType = "Paperback";
        }
        String yesNoDB = request.getParameter("yesNo");
        String priceDB = request.getParameter("price");
        String insertStatement = "INSERT into book (barcode, callno, title, pub, binding,
onloan, price) values (?, ?, ?, ?, ?, ?, ?)";
        ps = connection.prepareStatement(insertStatement);
        ps.setString(1, barCodeDB);
        ps.setString(2, callNumberDB);
        ps.setString(3, titleDB);
        ps.setString(4, publisherDB);
        ps.setString(5, bindingType);
        ps.setString(6, yesNoDB);
        ps.setString(7, priceDB);
        int i = 0;
        i = ps.executeUpdate();

%>
<html>
<head><title>New Book Added </title>
<%@ include file="header.htm" %>
</head>
<body>
<br>

```

```
<h2><font color=orange>Catalog Update</font></h2><br><br>
```

```
<%
```

```
    String message = "";
```

```
    if ( i == 0)
```

```
    {
```

```
        message = "Databased failed to update. Please try again.";
```

```
    }
```

```
    else if (i == 1)
```

```
        message = "New Book Updated Successfully.";
```

```
    out.print(message);
```

```
%>
```

```
</body>
```

```
<%@ include file="footer.htm" %>
```

```
</html>
```

Hi, John Doe!

## Library Catalog

	Bar Code	Call Number	Book Title	Available
<input type="radio"/>	<a href="#">101</a>	LB2351.2 .F475 2011	Crazy U	Yes
<input type="radio"/>	<a href="#">102</a>	HV8079.C65 C93 2008	Cyber Forensics	Yes
<input type="radio"/>	<a href="#">103</a>	HA32.S572 2004	SPSS for Introductory Statistics	Yes
<input type="radio"/>	<a href="#">104</a>	HG181.S37 1999	Securities Technology Handbook	No
<input type="radio"/>	<a href="#">105</a>	HN90.I56.L37 2005	Darknet	No
<input type="radio"/>	<a href="#">106</a>	BCJ971.B8 W5513 2010	Hagakure	Yes
<input type="radio"/>	<a href="#">107</a>	QA76.9 .A25 M567 2005	The Art of Intrusion	Yes
<input type="radio"/>	<a href="#">108</a>	BF76.7 .P83 2001	APA Publication Manual 5e	No
<input checked="" type="radio"/>	<a href="#">109</a>	BF76.7 .P83 2002	Starting out with Java	No

Add New Book

Delete Selected

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## Catalog Update

Book deleted successfully.

```
<%@ page import="java.sql.*,
java.text.DecimalFormat, java.text.SimpleDateFormat, wu.andy.DateAssistant" %>
```

```
<html>
```

```
<head><title> Book Deleted</title>
```

```
<%@ include file="header.htm" %>
```

```
</head>
```

```
<body>
```

```
<br><h2><font color=orange>Catalog Update</font></h2><br>
```

```
<%
```

```
    String selectedOption = request.getParameter("selectOption");
```

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

```
    String connection1 = "jdbc:mysql://localhost:3306/PerryJ";
```

```
    ServletContext sc = getServletContext();
```

```
    Connection connection = DriverManager.getConnection(connection1,
sc.getInitParameter("userName"), sc.getInitParameter("passWord"));
```

```
    String deleteSQL = "DELETE FROM book WHERE barcode =" + selectedOption;
```

```
    PreparedStatement ps = connection.prepareStatement(deleteSQL);
```

```
    int i = 0;
```

```
    i = ps.executeUpdate();
```

```
    if (i == 0)
```

```
    {out.print("<br>Book deletion was unsuccessful.");}
```

```
    else if (i ==1)
```

```
{out.print("<br>Book deleted successfully.");}
```

```
%>
```

```
<br>
```

```
</body>
```

```
<%@ include file="footer.htm" %>
```

```
</html>
```