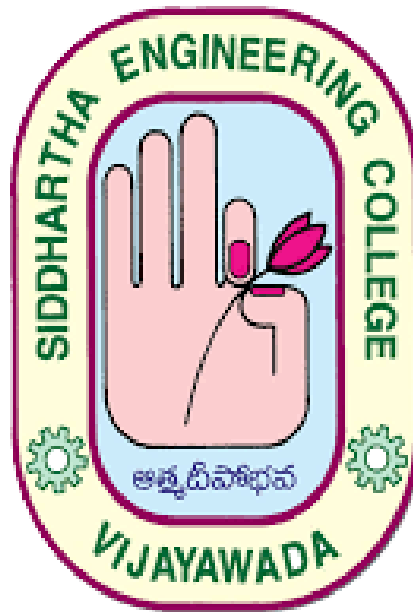


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Code : 20IT6303

**Web Programming and
Development Laboratory PROJECTS**

PROJECT – 1

Aim : Create an Online book store is a web application to allow users to select books through internet and get them delivered to their doorsteps using Servlets, html, css.

It allows registered users to do the following:

- Login
- Browser and query books based on price, title, and category
- Add books to shopping cart.
- Update quantity in shopping cart
- Remove books from shopping cart
- Finalize order for books in shopping cart
- See the status of orders placed in the past - orders history.
- Cancel an order, if status of the order is new.

The following table lists operations and associated objects and files.

Operation	Servlet and Html Files
Login	login.html, login.java
Registration of User	register.html, register.java
Home Page - Displays shopping cart	home.java
Updation of user profile and password	changeprofile.java
Logging out	logout.java
Browsing available books.	browsebooks.java
Querying books on price, title and category	querybooks.java
Adding a books to Shopping cart	addbook.java
Finalizing Order	home.java
Displaying previous - Orders History	ordershistory.java
Displaying items of an Order	orderitems.java
Cancelling an Order	deleteorder.java, orderitems.java

Create a project with html files and corresponding Servlet files. Make use the following concepts to implement project:

1. RequestDispatcher interface to include necessary html and servlet files
2. Use Session Tracking – HttpSession to handle session objects in all the pages
3. Validate the results and retrieve all the operations using a relation database

WEB PAGES

Index.html

```
<body>
  <span class="mt"> Online Book Store </span>
  <div class="glass" style="height: 50%;">
    <h3> Login </h3>

    <form action="Login" method="post">
      <div class="inputWithIcon inputIconBg">
        <input type="text" name="p1" placeholder="Enter Your Email">
        <i class="fa fa-user fa-lg fa-fw" aria-hidden="true"></i>
      </div>

      <div class="inputWithIcon inputIconBg">
        <input type="password" name="p2" placeholder="Enter Your Password">
        <i class="fa fa-key fa-lg fa-fw" aria-hidden="true"></i>
      </div> <br> <br>

      <div class="btns">
        <p> <button type="submit"> Sign in </button> <a href="Register.html"
class="ahi"> Sign Up </a> </p>
      </div>
    </form>
  </div>
</body>
```

Register.html

```
<body>
  <div class="glass">
    <h3> Registration </h3>
```

```
<form action="Register" method="post">
  <div class="inputWithIcon inputIconBg">
    <input type="text" name = "p1" placeholder="Enter Your Full Name">
    <i class="fa fa-user fa-lg fa-fw" aria-hidden="true"></i>
  </div>

  <div class="inputWithIcon inputIconBg">
    <input type="text" name = "p2" placeholder="Enter Your Email">
    <i class="fa fa-envelope fa-lg fa-fw" aria-hidden="true"></i>
  </div>

  <div class="inputWithIcon inputIconBg">
    <input type="password" name = "p3" placeholder="Enter Your Password">
    <i class="fa fa-key fa-lg fa-fw" aria-hidden="true"></i>
  </div>

  <div class="inputWithIcon inputIconBg">
    <input type="password" name = "p4" placeholder="Enter Confirm Password">
    <i class="fa fa-key fa-lg fa-fw" aria-hidden="true"></i>
  </div>

  <div class="rgn">
    <span class="gname"> Gender: </span>
    <div class="radio-inputs">
      <label class="radio">
        <input type="radio" name="radio" value="Male" checked="">
        <span class="name"> Male </span>
      </label>

      <label class="radio">
        <input type="radio" name="radio" value="Female">
        <span class="name"> Female </span>
      </label>

      <label class="radio">
        <input type="radio" name="radio" value="Others">
        <span class="name"> Others </span>
      </label>
    </div>
  </div>
</div>
```

```

<div class="rgn">
  <span class="gname"> Date Of Birth : </span>
  <input type="date" name = "p5" id="exampleInputDOB1" placeholder="Date of
Birth" />
</div>

<div class="inputWithIcon inputIconBg">
  <input type="text" name = "p6" placeholder="Enter Your City Name">
  <i class="fa fa-building fa-lg fa-fw" aria-hidden="true"></i>
</div>

<div class="inputWithIcon inputIconBg">
  <input type="text" name = "p7" placeholder="Enter Your Country Name">
  <i class="fa fa-globe fa-lg fa-fw" aria-hidden="true"></i>
</div>

<div class="rgn">
  <span class="gname"> Address </span>
  <textarea id="w3review" name="p8" rows="4" cols="50"></textarea>
</div>

<div class="btns">
  <p> <button type="submit"> Register </button> </p>
</div>
</form>
</div> <br> <br> <br> <br>
</body>

```

Header.html

```

<body>
  <center> <h1 style="font-style: cursive; font-size: 50px; letter-spacing: 2px; color:
darkblue;"> <b> <i> Online Book Store </i> </b> </h1> </center>
  <h4 style="background-color:cadetblue; color:cadetblue;"> c </h4>
</body>
</html>

```

Link.html

```

<html>
  <body>
    <center>

```

```

<br> <br>
<a href="Home" class="anchor"> Home </a> |
<a href="Browse" class="anchor"> Browse </a> |
<a href="AddBook" class="anchor"> Add Book </a> |
<a href="OrderItems" class="anchor"> Orders </a> |
<a href="ChangeProfile" class="anchor"> Profile </a> |
<a href="Logout" class="anchor"> Logout </a>
<br> <br>
<hr/>
</center>
</body>
</html>

```

DATABASE COMMANDS

```
create database bookstore;
```

```
use bookstore;
```

```
create table register(
-> name varchar(90), email varchar(50), pass varchar(50), cpass varchar(50),
-> gender varchar(10), dob varchar(20), city varchar(30), country varchar(50),
-> address varchar(500));
```

```
desc register;
```

```
create table book(
-> isbn varchar(50), bookname varchar(500), quantity varchar(1000), price float);
```

```
create table newbook(
-> isbn varchar(50), booktitle varchar(500), author varchar(100),
-> category varchar(50), quantity varchar(1000), price float);
```

```
insert into book values('1', 'python', '10', 459.67),
-> ('2', 'gis', '5', 300);
```

```
insert into newbook values('1', 'python', 'rosum', 'education', '10', 459.67);
```

```
alter table register add primary key(email);
```

```
desc register;

alter table book add column trash varchar(10);

alter table newbook add column trash varchar(10);

update book set trash = 'no';

update newbook set trash = 'no';

alter table newbook add primary key(isbn);
```

SERVLET PAGES

Login.java

```
import java.time.*;

public class Login extends HttpServlet
{
    public void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException
    {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        request.getRequestDispatcher("./header.html").include(request, response);

        String email = request.getParameter("p1");
        String pass = request.getParameter("p2");

        try
        {
            boolean status = false;
            Class.forName("com.mysql.jdbc.Driver");
            Connection con =
            DriverManager.getConnection("jdbc:mysql://localhost/bookstore", "root", "");

            String checkquery = "select * from register where email = ? and pass = ?";
            PreparedStatement ps = con.prepareStatement(checkquery);

            ps.setString(1, email);
            ps.setString(2, pass);
```

```

        ResultSet rs = ps.executeQuery();
        if(rs.next())
        {
            status = true;
        }

        if(status)
        {
            request.getSession().setAttribute("login", "true");
            request.getSession().setAttribute("email", email);
            response.sendRedirect("Home");
        }
        else
        {
            out.print("<h1> Sorry, username or password Invalid </h1>");
            request.getRequestDispatcher("index.html").include(request, response);
        }
    }
    catch(Exception e)
    {
        out.println("<h1> An Error Occured " + e + "</h1>");
    }
}
}

```

Register.java

```

import java.time.*;

public class Register extends HttpServlet
{
    public void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException
    {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        String name = request.getParameter("p1");
        String email = request.getParameter("p2");
        String pass = request.getParameter("p3");
        String cpass = request.getParameter("p4");
        String gender = request.getParameter("radio");
        String dob = request.getParameter("p5");
    }
}

```



```

String city = request.getParameter("p6");
String country = request.getParameter("p7");
String address = request.getParameter("p8");

try
{
    int status = 0;

    Class.forName("com.mysql.jdbc.Driver");
    Connection con =
DriverManager.getConnection("jdbc:mysql://localhost/bookstore", "root", "");

    String insertquery = "insert into register values(?, ?, ?, ?, ?, ?, ?, ?, ?)";
    PreparedStatement ps = con.prepareStatement(insertquery);

    ps.setString(1, name);
    ps.setString(2, email);
    ps.setString(3, pass);
    ps.setString(4, cpass);
    ps.setString(5, gender);
    ps.setString(6, dob);
    ps.setString(7, city);
    ps.setString(8, country);
    ps.setString(9, address);

    status = ps.executeUpdate();
    if(status > 0)
    {
        out.println("<h1> You are Sucessfully Registered </h1>");
        request.getRequestDispatcher("index.html").include(request, response);
    }
}
catch(Exception e)
{
    out.println("<h1> An Error Occured " + e + "</h1>");
}
}
}

```

Logout.java

```
import java.time.*;
```

```

import javax.servlet.http.HttpSession;

public class Logout extends HttpServlet
{
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException
    {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();

        request.getSession().invalidate();
        out.print("<center> <h1 style='color:cadetblue; margin-bottom:20px;'> <b> You
are successfully logged out! </b> </h1> </center>");

        request.getRequestDispatcher("index.html").include(request, response);

        out.close();
    }
}

```

Home.java

```

//import java.util.*;
import java.time.*;
import javax.servlet.http.HttpSession;

public class Home extends HttpServlet
{
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException
    {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        request.getRequestDispatcher("header.html").include(request, response);
        request.getRequestDispatcher("link.html").include(request, response);

        HttpSession session = request.getSession(false);
        if(session == null)
        {
            response.sendRedirect("./index.html");
        }
        else

```

```

{
    String email = (String)session.getAttribute("email");
    out.print("<span style='float:right'> <h1 style='font-style: cursive; font-size: 20px; letter-spacing: 2px; color: darkblue;'> <b> Hi," +email+ "</b> </h1> </span>");
    out.print("<h1 style='font-style: cursive;'> <strong> Home <strong> </h1>");

    try
    {
        Class.forName("com.mysql.jdbc.Driver");
        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost/bookstore", "root", "");

        String qu1 = "select isbn, booktitle, quantity, price from newbook where trash = 'no'";
        PreparedStatement ps = con.prepareStatement(qu1);

        ResultSet rs = ps.executeQuery();

        out.print("<head>");
        out.print("<title> Books Cart </title>");
        out.print("</head>");
        out.print("<body>");
        out.print("<center class='cen'>");
        out.print("<table>");
        out.print("<caption> <center> Shopping Book Cart </center> </caption>");
        out.print("<thead>");
        out.print("<tr>");
        out.print("<th> ISBN </th>");
        out.print("<th> Book Name </th>");
        out.print("<th> Quantity </th>");
        out.print("<th> Price </th>");
        out.print("<tr>");
        out.print("</thead>");

        while(rs.next())
        {
            out.print("<tbody>");
            out.print("<tr>");
            out.print("<td>" +rs.getString(1)+ "</td>");
            out.print("<td>" +rs.getString(2)+ "</td>");
            out.print("<td>" +rs.getString(3)+ "</td>");
            out.print("<td>" +rs.getFloat(4)+ "</td>");

```

```

        out.print("</tr>");
        out.print("</tbody>");
    }
    out.print("</table>");

    out.print("<br> <br>");
    out.print("<form action='RemoveItem' method='get'>");
    out.print("<input type='text' name='aisb' placeholder='Enter ISBN Number'
/>");
    out.print("<button type='submit' class=\"anchor\"> <i class=\"fa fa-trash fa-lg
fa-fw\" aria-hidden=\"true\"> </i> </button>");
    out.print("</form>");

    out.print("<br> <br>");
    out.print("<a href=\"OrderItems\" class=\"anchor\"> Place Order </a>");

    out.print("</center>");
    out.print("</body>");

    con.close();

    }
    catch(Exception e)
    {
        out.println("<h1> An Error Occured " + e + "</h1>");
    }
}
out.close();
}

public void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException
{
    doGet(request,response);
}
}

```

ChangeProfile.java

```

//import java.util.*;
import java.time.*;
import javax.servlet.http.HttpSession;

```

```

public class ChangeProfile extends HttpServlet
{
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException
    {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        request.getRequestDispatcher("header.html").include(request, response);
        request.getRequestDispatcher("link.html").include(request, response);

        HttpSession session = request.getSession(false);
        if(session == null)
        {
            response.sendRedirect("./index.html");
        }
        else
        {
            String email = (String)session.getAttribute("email");
            out.print("<span style='float:right'> <h1 style='font-style: cursive; font-family:
sans-serif; font-size: 20px; letter-spacing: 2px; color: darkblue;'> <b> Hi," +email+ "</b>
</h1> </span>");
            out.print("<h1 style='font-style: cursive; font-family: sans-serif;'> <strong>
Change Profile <strong> </h1>");

            try
            {
                Class.forName("com.mysql.jdbc.Driver");
                Connection con =
DriverManager.getConnection("jdbc:mysql://localhost/bookstore", "root", "");

                String cq = "select * from register where email = ?";
                PreparedStatement ps = con.prepareStatement(cq);
                ps.setString(1, email);

                ResultSet rs = ps.executeQuery();

                out.print("<head>");
                out.print("    <title> Register Tab </title>");
                out.print("</head>");

                out.print("<body>");

```

```

out.print("<div class='glass' style='margin-top:0;'>" +
    "<h3> Profile </h3>");
out.print("");

while(rs.next())
{
    out.print("<form action='UpdateProfile' method='post'>" +
        "<div class='inputWithIcon inputIconBg'>" +
        "<input type='text' name = 'p1' placeholder='Enter Your Full Name'
value="" +rs.getString(1)+ "">" +
        "<i class='fa fa-user fa-lg fa-fw' aria-hidden='true'></i>" +
        "</div>");
    out.print("");

    out.print("<div class='inputWithIcon inputIconBg'>" +
        "<input type='text' name = 'p2' placeholder='Enter Your Email' value=""
+rs.getString(2)+ "" readonly>" +
        "<i class='fa fa-envelope fa-lg fa-fw' aria-hidden='true'></i>" +
        "</div>");
    out.print("");

    out.print("<div class='inputWithIcon inputIconBg'>" +
        "<input type='password' name = 'p3' placeholder='Enter Your Password'
value="" +rs.getString(3)+ "">" +
        "<i class='fa fa-key fa-lg fa-fw' aria-hidden='true'></i>" +
        "</div>");
    out.print("");

    out.print("<div class='inputWithIcon inputIconBg'>" +
        "<input type='password' name = 'p4' placeholder='Enter Confirm
Password' value="" +rs.getString(4)+ "">" +
        "<i class='fa fa-key fa-lg fa-fw' aria-hidden='true'></i>" +
        "</div>");
    out.print("");
    out.print("<div class='rgn'>" + "<span class='gname'> Date Of Birth : </span>"
+ "<input type='date' name = 'p5' id='exampleInputDOB1' placeholder='Date of Birth'
value="" +rs.getString(6)+ "" />" + "</div>");
    out.print("");

    out.print("<div class='inputWithIcon inputIconBg'>" +

```

```

        "<input type='text' name = 'p6' placeholder='Enter Your City Name'
value='" + rs.getString(7) + "'" + ">" +
        "<i class='fa fa-building fa-lg fa-fw' aria-hidden='true'></i>" +
        "</div>");
        out.print("");

        out.print("<div class='inputWithIcon inputIconBg'>" +
        "<input type='text' name = 'p7' placeholder='Enter Your Country Name'
value='" + rs.getString(8) + "'" + ">" +
        "<i class='fa fa-globe fa-lg fa-fw' aria-hidden='true'></i>" +
        "</div>");
        out.print("");

        out.print("<div class='rgn'>" +
        "<span class='gname'> Address </span>" +
        "<textarea id='w3review' name='p8' rows='2' cols='50'>"
+ rs.getString(9) + "</textarea>" +
        "</div>");
        out.print("");

        out.print("<p> <button type='submit' style='margin-bottom:10px;'> Update
</button> </p>");

        out.print("    </form>");
        out.print("  </div> <br> <br> <br> <br>");
        out.print("</body>");
    }

}
catch(Exception e)
{
    out.println("<h1> An Error Occured " + e + "</h1>");
}
}
}
}

```

UpdateProfile.java

```

import java.time.*;
import javax.servlet.http.HttpSession;

```

```
public class UpdateProfile extends HttpServlet
{
    public void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException
    {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();

        HttpSession session = request.getSession(false);
        if(session == null)
        {
            response.sendRedirect("./index.html");
        }
        else
        {
            String name = request.getParameter("p1");
            String email = request.getParameter("p2");
            String pass = request.getParameter("p3");
            String cpass = request.getParameter("p4");

            String gender = request.getParameter("radio");

            String dob = request.getParameter("p5");
            String city = request.getParameter("p6");
            String country = request.getParameter("p7");
            String address = request.getParameter("p8");
            try
            {
                int status = 0;

                Class.forName("com.mysql.jdbc.Driver");
                Connection con =
                DriverManager.getConnection("jdbc:mysql://localhost/bookstore", "root", "");

                String insertquery = "update register set name = ?, pass = ?, cpass = ?, gender =
                ?, dob = ?, city = ?, country = ?, address = ? where email = ?";
                PreparedStatement ps = con.prepareStatement(insertquery);

                ps.setString(1, name);
                ps.setString(2, pass);
                ps.setString(3, cpass);
                ps.setString(4, gender);
```



```

        ps.setString(5, dob);
        ps.setString(6, city);
        ps.setString(7, country);
        ps.setString(8, address);
        ps.setString(9, email);

        status = ps.executeUpdate();
        if(status > 0)
        {
            request.getRequestDispatcher("Home").include(request, response);
        }
    }
    catch(Exception e)
    {
        out.println("<h1> An Error Occured " + e + "</h1>");
    }
}
}
}

```

Browse.java

```

import java.time.*;
import javax.servlet.http.HttpSession;

public class Browse extends HttpServlet
{
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException
    {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        request.getRequestDispatcher("header.html").include(request, response);
        request.getRequestDispatcher("link.html").include(request, response);

        HttpSession session = request.getSession(false);
        if(session == null)
        {
            response.sendRedirect("./index.html");
        }
        else
        {

```

```
String email = (String)session.getAttribute("email");
    out.print("<span style='float:right'> <h1 style='font-style: cursive; font-size: 20px; letter-spacing: 2px; color: darkblue;'> <b> Hi," +email+ "</b> </h1> </span>");
    out.print("<h1 style='font-style: cursive;'> <strong> Browsing !!! <strong> </h1>");

    try
    {
        Class.forName("com.mysql.jdbc.Driver");
        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost/bookstore", "root", "");

        String qu1 = "select isbn, booktitle, author, category, quantity, price from newbook";
        PreparedStatement ps = con.prepareStatement(qu1);

        ResultSet rs = ps.executeQuery();

        out.print("<head>");
        out.print("<title> Books Cart </title>");

        out.print("<tbody tr:nth-child(odd) {");
        out.print("</head>");
        out.print("<body>");
        out.print("<center class='cen'>");
        out.print("<table>");
        out.print("<caption> <center> Book Shelf </center> </caption>");
        out.print("<thead>");
        out.print("<tr>");
        out.print("<th> ISBN </th>");
        out.print("<th> Book Name </th>");
        out.print("<th> Book Author </th>");
        out.print("<th> Category </th>");
        out.print("<th> Quantity </th>");
        out.print("<th> Price </th>");
        out.print("<tr>");
        out.print("</thead>");

        while(rs.next())
        {
            out.print("<tbody>");
            out.print("<tr>");
```

```

        out.print("<td>" + rs.getString(1) + "</td>");
        out.print("<td>" + rs.getString(2) + "</td>");
        out.print("<td>" + rs.getString(3) + "</td>");
        out.print("<td>" + rs.getString(4) + "</td>");
        out.print("<td>" + rs.getString(5) + "</td>");
        out.print("<td>" + rs.getFloat(6) + "</td>");
        out.print("</tr>");
        out.print("</tbody>");
    }
    out.print("</table>");

    out.print("<br> <br>");
    out.print("<form action='AddCart' method='get'>");
    out.print("<input type='text' name='aisb' placeholder='Enter ISBN Number'
/>");
    out.print("<button type='submit' class=\"anchor\"> <i class=\"fa fa-shopping-
cart fa-lg fa-fw\" aria-hidden=\"true\"> </i> </button>");
    out.print("</form>");

    out.print("</center>");
    out.print("</body>");

    con.close();

    }
    catch(Exception e)
    {
        out.println("<h1> An Error Occured " + e + "</h1>");
    }
}
out.close();
}

    public void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException
    {
        doGet(request,response);
    }
}

```

```

import java.time.*;
import javax.servlet.http.HttpSession;

public class AddBook extends HttpServlet
{
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException
    {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        request.getRequestDispatcher("header.html").include(request, response);
        request.getRequestDispatcher("link.html").include(request, response);

        HttpSession session = request.getSession(false);
        if(session == null)
        {
            response.sendRedirect("./index.html");
        }
        else
        {
            String email = (String)session.getAttribute("email");
            out.print("<span style='float:right'> <h1 style='font-style: cursive; font-family:
sans-serif; font-size: 20px; letter-spacing: 2px; color: darkblue;'> <b> Hi," +email+ "</b>
</h1> </span>");
            out.print("<h1 style='font-style: cursive; font-family: sans-serif;'> <strong> Add a
new Book <strong> </h1>");

            out.print("<head>");
            out.print("    <title> Register Tab </title>");
            out.print("</head>");
            out.print("<body>");
            out.print("<div class='glass' style='width:40%; height:80%;'>" +
                "<h3> New Book </h3>");
            out.print("");

            out.print("<form action='AddBook' method='get'>" +
                "<div class='inputWithIcon inputIconBg'>" +
                "<input type='text' name = 'p1' placeholder='Enter Book ISBN Number'>"
+
                "<i class='fa fa-book fa-lg fa-fw' aria-hidden='true'></i>" +
                "</div>");

```

```

out.print("");

out.print("<div class='inputWithIcon inputIconBg'>" +
    "<input type='text' name = 'p2' placeholder='Enter Book Title Name'>" +
    "<i class='fa fa-book fa-lg fa-fw' aria-hidden='true'></i>" +
    "</div>");
out.print("");

out.print("<div class='inputWithIcon inputIconBg'>" +
    "<input type='text' name = 'p3' placeholder='Enter Author's Name'>" +
    "<i class='fa fa-user fa-lg fa-fw' aria-hidden='true'></i>" +
    "</div>");
out.print("");

out.print("<div class='inputWithIcon inputIconBg'>" +
    "<input type='text' name = 'p4' placeholder='Category Name'>" +
    "<i class='fa fa-list-alt fa-lg fa-fw' aria-hidden='true'></i>" +
    "</div>");
out.print("");

out.print("<div class='inputWithIcon inputIconBg'>" +
    "<input type='text' name = 'p5' placeholder='Qantity'>" +
    "<i class='fa fa-sort-amount-desc fa-lg fa-fw' aria-hidden='true'></i>" +
    "</div>");
out.print("");

out.print("<div class='inputWithIcon inputIconBg'>" +
    "<input type='text' name = 'p6' placeholder='Book Price'>" +
    "<i class='fa fa-money fa-lg fa-fw' aria-hidden='true'></i>" +
    "</div>");
out.print("");

out.print("<p> <button type='submit' style='margin-bottom:10px;'> ADD
</button> </p>");

out.print("    </form>");
out.print("  </div> <br> <br> <br> <br>");
out.print("</body>");

```

try

```

{

    String isbn = request.getParameter("p1");
    String title = request.getParameter("p2");
    String author = request.getParameter("p3");
    String category = request.getParameter("p4");
    String quantity = request.getParameter("p5");
    float price = Float.parseFloat(request.getParameter("p6"));

    Class.forName("com.mysql.jdbc.Driver");
    Connection con =
DriverManager.getConnection("jdbc:mysql://localhost/bookstore", "root", "");

    String cq = "insert into newbook values(?, ?, ?, ?, ?, ?, ?)";
    PreparedStatement ps = con.prepareStatement(cq);
    ps.setString(1, isbn);
    ps.setString(2, title);
    ps.setString(3, author);
    ps.setString(4, category);
    ps.setString(5, quantity);
    ps.setFloat(6, price);
    ps.setString(7, "yes");

    int status = ps.executeUpdate();

    if(status > 0)
    {
        out.println("<h1> Sucessfully ADDED New Book </h1>");
        response.sendRedirect("./Browse");
    }
}
catch(Exception e)
{
    out.println("<h1 style='color: transparent;'> An Error Occured " + e + "</h1>");
}
}

public void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException
{
    doGet(request,response);
}

```

```
}
}
```

AddCart.java

```
import java.time.*;
import javax.servlet.http.HttpSession;

public class AddCart extends HttpServlet
{
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
    ServletException, IOException
    {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        HttpSession session = request.getSession(false);
        if(session == null)
        {
            response.sendRedirect("./index.html");
        }
        else
        {
            String email = (String)session.getAttribute("email");
            try
            {
                String isbn = request.getParameter("aisb");
                Class.forName("com.mysql.jdbc.Driver");
                Connection con =
                DriverManager.getConnection("jdbc:mysql://localhost/bookstore", "root", "");
                String qur = "update newbook set trash = 'no' where isbn = ?";
                PreparedStatement ps = con.prepareStatement(qur);
                ps.setString(1, isbn);
                int i = ps.executeUpdate();

                if(i > 0)
                {
                    request.getRequestDispatcher("Home").include(request, response);
                }
                con.close();
            }
        }
    }
}
```

```

        catch(Exception e)
        {
            out.println("<h1> An Error Occured " + e + "</h1>");
        }
    }
}

public void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException
{
    doGet(request,response);
}
}

```

RemoveItem.java

```

import java.time.*;
import javax.servlet.http.HttpSession;

public class RemoveItem extends HttpServlet
{
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException
    {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        HttpSession session = request.getSession(false);
        if(session == null)
        {
            response.sendRedirect("./index.html");
        }
        else
        {
            String email = (String)session.getAttribute("email");
            try
            {
                String isb = request.getParameter("aisb");
                Class.forName("com.mysql.jdbc.Driver");
                Connection con =
DriverManager.getConnection("jdbc:mysql://localhost/bookstore", "root", "");
</h1>");
            }
            catch (Exception e)
            {
                out.println("<h1> An Error Occured " + e + "</h1>");
            }
        }
    }
}

```



```

String qur = "update newbook set trash = 'yes' where isbn = ?";
PreparedStatement ps = con.prepareStatement(qur);
ps.setString(1, isb);
int i = ps.executeUpdate();

if(i > 0)
{
    request.getRequestDispatcher("Home").include(request, response);
}
con.close();
}
catch(Exception e)
{
    out.println("<h1> An Error Occured " + e + "</h1>");
}
}

public void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException
{
    doGet(request,response);
}
}

```

DeleteOrder.java

```

import java.time.*;
import javax.servlet.http.HttpSession;

public class DeleteOrder extends HttpServlet
{
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException
    {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        request.getRequestDispatcher("header.html").include(request, response);
        request.getRequestDispatcher("link.html").include(request, response);

        HttpSession session = request.getSession(false);
        if(session == null)
        {

```

```

        response.sendRedirect("./index.html");
    }
    else
    {
        String email = (String)session.getAttribute("email");
        out.print("<span style='float:right'> <h1 style='font-style: cursive; font-family: sans-serif; font-size: 20px; letter-spacing: 2px; color: darkblue;'> <b> Hi," +email+ "</b></h1> </span>");
        out.print("<h1 style='font-style: cursive; font-family: sans-serif;'> <strong> Cancellation <strong> </h1>");

        try
        {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con =
            DriverManager.getConnection("jdbc:mysql://localhost/bookstore", "root", "");

            String qu1 = "select * from book";
            PreparedStatement ps = con.prepareStatement(qu1);

            ResultSet rs = ps.executeQuery();

            out.print("<head>");
            out.print("<title> Books Cart </title>");
            out.print("</head>");
            out.print("<body>");
            out.print("<center class='cen'>");
            out.print("<table>");
            out.print("<caption> <center> </center> </caption>");
            out.print("<thead>");
            out.print("<tr>");
            out.print("<th> ISBN </th>");
            out.print("<th> Book Name </th>");
            out.print("<th> Quantity </th>");
            out.print("<th> Price </th>");
            out.print("<tr>");
            out.print("</thead>");
            while(rs.next())
            {
                out.print("<tbody>");
                out.print("<tr>");
                out.print("<td>" +rs.getString(1)+ "</td>");
            }
        }
    }

```

```

        out.print("<td>" +rs.getString(2)+ "</td>");
        out.print("<td>" +rs.getString(3)+ "</td>");
        out.print("<td>" +rs.getFloat(4)+ "</td>");

        out.print("</tr>");
        out.print("</tbody>");
    }
    out.print("</table>");
    out.print("<br> <br>");
    out.print("<div style='width:40%;'>");

    out.print("<a href=\"Home\" class=\"anchor\" style='float:left;'> Back </a>");
    out.print("</div>");
    out.print("</center>");
    out.print("</body>");
        con.close();
    }
    catch(Exception e)
    {
        out.println("<h1> An Error Occured " + e + "</h1>");
    }

}
}
}

```

OrderItems.java

```

import java.time.*;
import javax.servlet.http.HttpSession;

public class OrderItems extends HttpServlet
{
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException
    {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        request.getRequestDispatcher("header.html").include(request, response);
        request.getRequestDispatcher("link.html").include(request, response);

        HttpSession session = request.getSession(false);
    }
}

```

```

if(session == null)
{
    response.sendRedirect("./index.html");
}
else
{
    String email = (String)session.getAttribute("email");
    out.print("<span style='float:right'> <h1 style='font-style: cursive; font-family: sans-serif; font-size: 20px; letter-spacing: 2px; color: darkblue;'> <b> Hi," +email+ "</b></h1> </span>");
    out.print("<h1 style='font-style: cursive; font-family: sans-serif;'> <strong> Final Orders <strong> </h1>");

    try
    {
        Class.forName("com.mysql.jdbc.Driver");
        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost/bookstore", "root", "");
        String qu1 = "select isbn, booktitle, quantity, price from newbook where trash = 'no'";
        PreparedStatement ps = con.prepareStatement(qu1);
        ResultSet rs = ps.executeQuery();
        out.print("<head>");
        out.print("<title> Books Cart </title>");
        out.print("</head>");
        out.print("<body>");
        out.print("<center class='cen'>");
        out.print("<table>");
        out.print("<caption> <center> Finalize Your Order </center> </caption>");
        out.print("<thead>");
        out.print("<tr>");
        out.print("<th> ISBN </th>");
        out.print("<th> Book Name </th>");
        out.print("<th> Quantity </th>");
        out.print("<th> Price </th>");
        out.print("<tr>");
        out.print("</thead>");
        float totalcost = 0;
        while(rs.next())
        {
            out.print("<tbody>");
            out.print("<tr>");
            out.print("<td>" +rs.getString(1)+ "</td>");

```

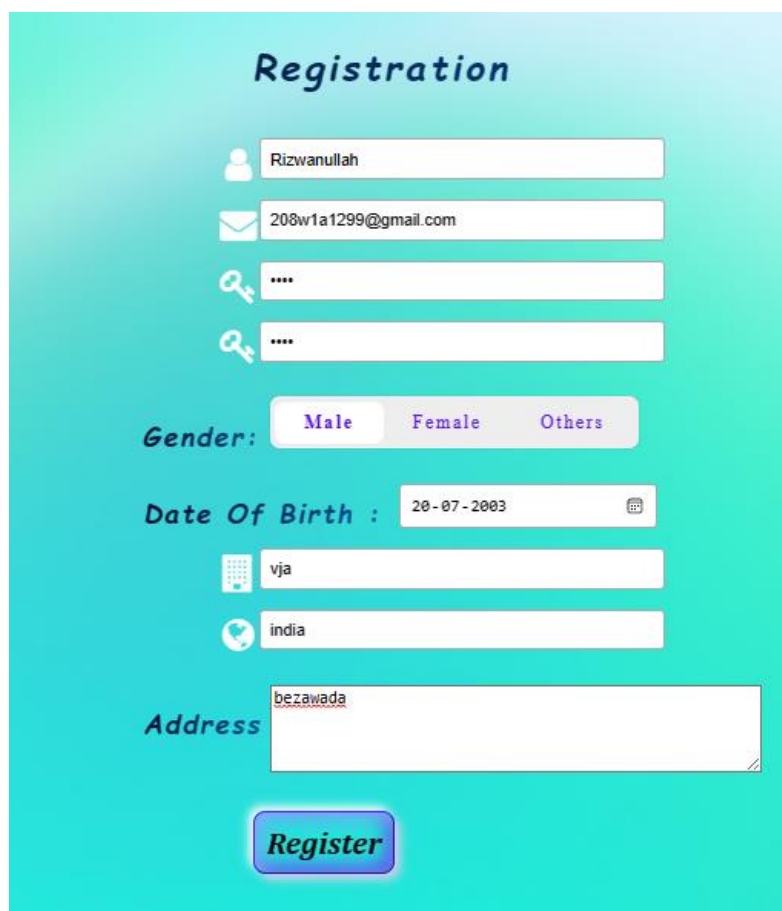
```

        out.print("<td>" +rs.getString(2)+ "</td>");
        out.print("<td>" +rs.getString(3)+ "</td>");
        out.print("<td>" +rs.getFloat(4)+ "</td>");
        totalcost = totalcost + rs.getFloat(4);
        out.print("</tr>");
        out.print("</tbody>");
    }
    out.print("</table>");
    out.print("<br> <br>");
    out.print("<div style='width:40%;'>");
    out.print("<h2 style='font-style: cursive; font-family: sans-serif; color:
darkblue;'> Total Cost : " +totalcost+ " &#x20B9; </h2>");
    out.print("<a href=\"#\" class=\"anchor\" style='float:right;'
onclick='ShowAlert();'> Buy </a>");
    out.print("<a href=\"DeleteOrder\" class=\"anchor\" style='float:left;'> Cancel
</a>");
    out.print("</div>");
    out.print("</center>");

    out.print("<script>");
    out.print("function ShowAlert(){alert('Your Order has Been Confirmed Soon you
Will Get an Email Notication');}");
    out.print("</script>");
    out.print("</body>");
    con.close();
}
catch(Exception e)
{
    out.println("<h1> An Error Occured " + e + "</h1>");
}
}
}
}

```

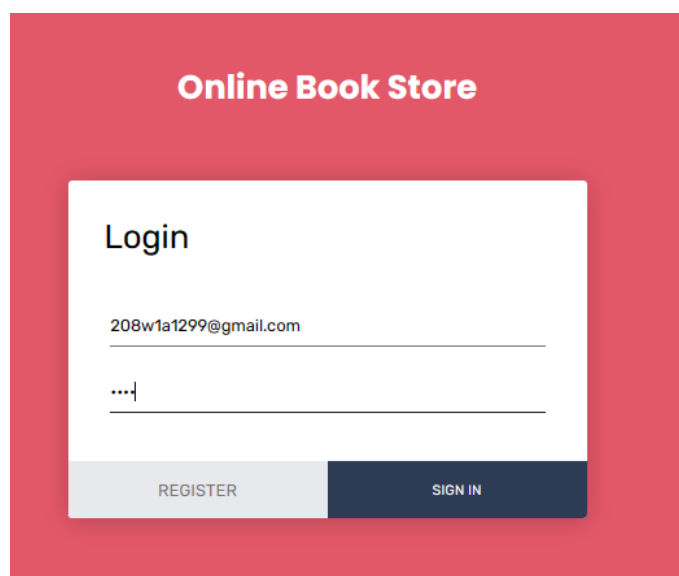
Register :



The registration form is titled "Registration" and is set against a light blue gradient background. It includes the following fields and options:

- Name:** A text input field containing "Rizwanullah".
- Email:** A text input field containing "208w1a1299@gmail.com".
- Password:** A text input field with masked characters "....".
- Confirm Password:** A text input field with masked characters "....".
- Gender:** Three radio button options: "Male" (selected), "Female", and "Others".
- Date Of Birth:** A date picker field showing "20-07-2003".
- Phone:** A text input field containing "vja".
- Country:** A text input field containing "india".
- Address:** A large text area containing "bezawada".
- Register Button:** A blue button with the text "Register".

Login :



The login form is titled "Online Book Store" and "Login". It is set against a red background. It includes the following fields and buttons:

- Email:** A text input field containing "208w1a1299@gmail.com".
- Password:** A text input field with masked characters "....".
- Buttons:** Two buttons at the bottom: "REGISTER" (light gray) and "SIGN IN" (dark blue).

Home :

ONLINE BOOK STORE

[HOME](#) [BROWSE](#) [ADDBOOK](#) [ORDERS](#) [PROFILE](#) [LOGOUT](#)

Browsing !!!

Hi,208w1a1299@gmail.com

Book Shelf

ISBN	Book Name	Book Author	Category	Quantity	Price
B123	Advanced java made easy	Charan aluri	programming	2	7500.45
P123	A story of song and water	Rizwan	Dragons	100	999.0



Rectangular Shape

Browse :

ONLINE BOOK STORE

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Browsing !!!

Hi,208w1a1299@gmail.com

Book Shelf

ISBN	Book Name	Book Author	Category	Quantity	Price
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P123	A story of song and water	Rizwan	Dragons	100	999.0



Shopping Cart :

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Browsing !!!

Hi,208w1a1299@gmail.com


Book Shelf


ISBN	Book Name	Book Author	Category	Quantity	Price
B123	Advanced java made easy	Charan aluri	programming	2	7500.45
P123	A story of song and water	Rizwan	Dragons	100	999.0





Add Book :


New Book














ADD

Profile Update :

Profile









Gender: ☒ Male ☐ Female ☐ Others

Date Of Birth : 





Address

Update

