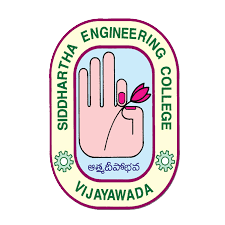
**Velagapudi Ramakrishna Siddhartha**

**Engineering College**

**Kanuru, 520001**



**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 |
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Create a project with html files and correspoinding 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 retrive all the operations using a relation database

**WEB PAGES**

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| --- |
| **Index.html**  <html>  <head>  <title> Book Store Login </title>  <link rel="stylesheet" href="styles.css" >  <link rel = "stylesheet" href = "https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.css" >  </head>  <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>  </html> |
| **Sytles.css**  body{  background-repeat: no-repeat;  background-attachment: fixed;  background-size: cover;  background-position: top;  background-image: url('mesh.png');  margin: 0;  /\* display: flex; \*/  justify-content: center;  align-items: center;  height: 100vh;  }  ::-webkit-scrollbar {  width: 0px;  }  .mt{  top: 9%;  left: 50%;  text-align: center;  position: absolute;  font-size: 6rem;  transform: translate(-50%, -50%);  letter-spacing: 1px;  /\* text-shadow: 7px 7px orange, 18px 18px #000; \*/  -webkit-text-fill-color: transparent;  -webkit-text-stroke-width: 4px;  -webkit-text-stroke-color: #834d9b;  }  /\* ======================== \*/  input{  width: 50%;  border: 2px solid #aaa;  border-radius: 4px;  margin: 8px 0;  outline: none;  padding: 8px;  box-sizing: border-box;  transition: 0.3s;  }    input:focus {  border-color: #834d9b;  box-shadow: 0 0 8px 0 #834d9b;  }    .inputWithIcon{  padding-left: 40px;  }    .inputWithIcon {  position: relative;  left:30%;  }    .inputWithIcon i {  position: absolute;  left: 0;  top: 8px;  padding: 9px 8px;  color: #aaa;  transition: 0.3s;  }    .inputWithIcon input:focus + i {  color: #834d9b;  }    .inputWithIcon.inputIconBg i {  background-color:transparent;  color: #fff;  font-size: 30px;  padding: 9px 4px;  border-radius: 4px 0 0 4px;  }    .inputWithIcon.inputIconBg input:focus + i {  color: #fff;  background-color:transparent;  }  /\* ================================= \*/  button{  font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;  font-style: italic;  font-weight: bold;  margin-top: 10px;  margin-left: 35%;  cursor: pointer;  background-color: transparent;  border-color: #5b0eeb;  border-radius: 10px;  padding: 10px;  transition: 0.3s ease;  box-shadow: inset 0.2rem 0.2rem 1rem #8abdff, inset -0.2rem -0.2rem 1rem #5b0eeb, 0.3rem 0.3rem 0.6rem #c8d0e7, -0.2rem -0.2rem 0.5rem #fff;  font-size: 25px;  }  .ahi  {  margin-left: 70px;  text-decoration: none;  font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;  font-style: italic;  font-weight: bold;  cursor: pointer;  background-color: transparent;  border-color: #5b0eeb;  border-radius: 10px;  padding: 10px;  transition: 0.3s ease;  box-shadow: inset 0.2rem 0.2rem 1rem #8abdff, inset -0.2rem -0.2rem 1rem #5b0eeb, 0.3rem 0.3rem 0.6rem #c8d0e7, -0.2rem -0.2rem 0.5rem #fff;  font-size: 25px;  }  .glass{  /\* display: flex; \*/  margin-left: 30%;  margin-top: 12%;  justify-content: center;  align-items: center;  width: 700px;  height: 100lvh;  background: linear-gradient(135deg, rgba(255, 255, 255, 0.1), rgba(255, 255, 255, 0));  -webkit-backdrop-filter: blur(20px);  backdrop-filter: blur(25px);  box-shadow: 0 8px 32px 0 rgba(0, 0, 0, 0.37);  border: 5px solid rgba(255, 255, 255, 0.18);  border-radius: 32px;  }  .glass h3{  font-size: 30px;  text-align: center;  font-family: cursive;  letter-spacing: 3px;  font-style: italic;  background: linear-gradient(to right, #000428, #004e92);  -webkit-text-fill-color: transparent;  -webkit-background-clip: text;  }  /\* +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++ \*/  .rgn{  margin-top: 20px;  position: relative;  left: 22%;  padding-left: 0px;  }  .gname{  position: absolute;  left: 0;  top: 8px;  padding: 9px 2px;  font-size: 21px;  text-align: center;  font-family: cursive;  letter-spacing: 2px;  font-style: italic;  font-weight: bolder;  background: linear-gradient(to right, #000428, #004e92);  -webkit-text-fill-color: transparent;  -webkit-background-clip: text;  }  .radio-inputs {  position: relative;  display: flex;  flex-wrap: wrap;  margin-left: 15%;  border-radius: 0.5rem;  background-color: #EEE;  box-sizing: border-box;  box-shadow: 0 0 0px 1px rgba(0, 0, 0, 0.06);  padding: 0.25rem;  width: 300px;  font-size: 14px;  }  .radio-inputs .radio {  flex: 1 1 auto;  text-align: center;  }  .radio-inputs .radio input {  display: none;  }  .radio-inputs .radio .name {  display: flex;  cursor: pointer;  align-items: center;  justify-content: center;  border-radius: 0.5rem;  letter-spacing: 2px;  font-size: 15px;  border: none;  padding: .5rem 0;  color: #5b0eeb;  transition: all .15s ease-in-out;  }  .radio-inputs .radio input:checked + .name {  background-color: #fff;  font-weight: 600;  }  /\* +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++ \*/  .rgn input[type="date"]{  margin-left: 30%;  width: 30%;  }  .rgn textarea{  margin-left: 15%;  }  .rgn textarea:focus{  border-color: #834d9b;  box-shadow: 0 0 8px 0 #834d9b;  } |

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| **Register.html**  <html lang="en">  <head>  <title> Register Tab </title>  <link rel="stylesheet" href="styles.css" >  <link rel = "stylesheet" href = "https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.css" >  </head>  <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 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>  </html> |

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| **Header.html**  <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta http-equiv="X-UA-Compatible" content="IE=edge">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <title> Header part </title>    </head>  <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> |

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| --- |
| **Link.html**  <html>  <head>  <title> Link Web Page </title>  <style>  .anchor  {  /\* Box Model \*/  padding: 5px;  margin: 10px; /\* 20px \*/  border-radius: 9px; /\* 520px \*/  border-color: blue;  border-style: double;  border-width: 2px; /\* 5px \*/  color: crimson;  text-decoration: none;  font-family: sans-serif;  font-weight: bold;  letter-spacing: 2px;  }  .anchor:hover  {  color: white;  background-color: indianred;  /\*transition-delay: 0.7s;\*/  }  </style>  </head>  <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**

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| 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', 'rossum', '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**

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| --- |
| **Login.java**  import java.io.IOException;  import java.io.PrintWriter;  import java.io.\*;  import javax.servlet.\*;  import javax.servlet.ServletException;  import javax.servlet.annotation.WebServlet;  import javax.servlet.http.HttpServlet;  import javax.servlet.http.HttpServletRequest;  import javax.servlet.http.HttpServletResponse;  import java.sql.\*;  import java.text.SimpleDateFormat;  //import java.util.Formatter;  //import java.util.\*;  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>");  }  }  } |

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| **Register.java**  import java.io.IOException;  import java.io.PrintWriter;  import java.io.\*;  import javax.servlet.\*;  import javax.servlet.ServletException;  import javax.servlet.annotation.WebServlet;  import javax.servlet.http.HttpServlet;  import javax.servlet.http.HttpServletRequest;  import javax.servlet.http.HttpServletResponse;  import java.sql.\*;  import java.text.SimpleDateFormat;  //import java.util.Formatter;  //import java.util.\*;  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();  // request.getRequestDispatcher("./header.html").include(request, response);    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 Registred </h1>");  request.getRequestDispatcher("index.html").include(request, response);  }  }  catch(Exception e)  {  out.println("<h1> An Error Occured " + e + "</h1>");  }  }  } |

|  |
| --- |
| **Logout.java**  import java.io.IOException;  import java.io.PrintWriter;  import java.io.\*;  import javax.servlet.\*;  import javax.servlet.ServletException;  import javax.servlet.annotation.WebServlet;  import javax.servlet.http.HttpServlet;  import javax.servlet.http.HttpServletRequest;  import javax.servlet.http.HttpServletResponse;  import java.sql.\*;  import java.text.SimpleDateFormat;  //import java.util.Formatter;  //import java.util.\*;  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();  }  } |

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| --- |
| **Home.java**  import java.io.IOException;  import java.io.PrintWriter;  import java.io.\*;  import javax.servlet.\*;  import javax.servlet.ServletException;  import javax.servlet.annotation.WebServlet;  import javax.servlet.http.HttpServlet;  import javax.servlet.http.HttpServletRequest;  import javax.servlet.http.HttpServletResponse;  import java.sql.\*;  import java.text.SimpleDateFormat;  //import java.util.Formatter;  //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("<link rel = \"stylesheet\" href = \"https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.css\" >");  out.print("<style>");  out.print("body {");  out.print("font-family: sans-serif;");  out.print("}");  out.print("");  out.print("th, td {");  out.print("border: 3px solid red;");  out.print("padding:5px;");  out.print("text-align:center;");  out.print("}");  out.print("");  out.print("table {");  out.print("border-collapse: collapse;");  out.print("border: 1px solid violet;");  out.print("}");  out.print("");  out.print("thead th {");  out.print("width: 30%;");  out.print("}");  out.print("");  out.print(".cell-highlight {");  out.print("background-color: gold;");  out.print("font-weight: bold;");  out.print("}");  out.print("");  out.print("caption {");  out.print("font-weight: bold;");  out.print("font-size: 24px;");  out.print("text-align: left;");  out.print("color: #333;");  out.print("margin-bottom: 16px;");  out.print("}");  out.print("");  out.print("thead {");  out.print("background-color: #339;");  out.print("color: white;");  out.print("font-size: 0.875rem;");  out.print("' text-transform: uppercase;'");  out.print("' letter-spacing: 3px;'");  out.print("}");  out.print("");  out.print("tbody tr:nth-child(odd) {");  out.print("background-color: #fff;");  out.print("}");  out.print("");  out.print("tbody tr:nth-child(even) {");  out.print("background-color: #eee;");  out.print("}");  out.print("");  out.print("tbody th {");  out.print("background-color: #36c;");  out.print("color: #fff;");  out.print("text-align: center");  out.print("}");  out.print("");  out.print("tbody tr:nth-child(even) th {");  out.print("background-color: #25c;");  out.print("}");  out.print("");  out.print(".cen{");  out.print("margin-top:25px;");  out.print("}");  out.print("");  out.print(".anchor\n" +  " {\n" +  " \n" +  " padding-top: 8px; padding-bottom: 8px; padding-left:10px; padding-right:10px;");    out.print("margin-left: 40px; /\* 20px \*/\n" +  " border-radius: 9px; /\* 520px \*/\n" +  " border-color: blue;\n" +  " border-style: double;\n" +  " border-width: 2px; /\* 5px \*/\n" +  "\n" +  " color: crimson;\n" +  " text-decoration: none;\n" +  " letter-spacing: 2px;\n" +  " }\n" +  "\n" +  " .anchor:hover\n" +  " {\n" +  " color: white;\n" +  " background-color: indianred;\n" +  " /\*transition-delay: 0.7s;\*/\n" +  " }");    out.print("input{\n" +  " width: 25%;\n" +  " border: 2px solid #aaa;\n" +  " border-radius: 4px;\n" +  " margin: 8px 0;\n" +  " outline: none;\n" +  " padding: 8px;\n" +  " box-sizing: border-box;\n" +  " transition: 0.3s;\n" +  " }\n" +  " \n" +  " input:focus {\n" +  " border-color: #834d9b;\n" +  " box-shadow: 0 0 8px 0 #834d9b;\n" +  " }");    out.print("</style>");  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);  }  } |

|  |
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| **ChangeProfile.java**  import java.io.IOException;  import java.io.PrintWriter;  import java.io.\*;  import javax.servlet.\*;  import javax.servlet.ServletException;  import javax.servlet.annotation.WebServlet;  import javax.servlet.http.HttpServlet;  import javax.servlet.http.HttpServletRequest;  import javax.servlet.http.HttpServletResponse;  import java.sql.\*;  import java.text.SimpleDateFormat;  //import java.util.Formatter;  //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("    <link rel='stylesheet' href='styles.css' >");  out.print("    <link rel = 'stylesheet' href = 'https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.css' >");  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("");    // switch (rs.getString(5))  // {  // case "Male":  //  // out.print(" <div class='rgn'>" + "<span class='gname'> Gender: </span>" + "<div class='radio-inputs'>" + "<label class='radio'>" + "<input type='radio' name='radio' checked=''>" + "<span class='name'> Male </span>" + "</label>" + "<label class='radio'>" + "<input type='radio' name='radio'>" + "<span class='name'> Female </span>" + "</label>" + "<label class='radio'>" + "<input type='radio' name='radio'>" + "<span class='name'> Others </span>" + "</label>" + "</div>" + "</div>");  //  // break;  // case "Female":  //  // out.print(" <div class='rgn'>" + "<span class='gname'> Gender: </span>" + "<div class='radio-inputs'>" + "<label class='radio'>" + "<input type='radio' name='radio' checked=''>" + "<span class='name'> Male </span>" + "</label>" + "<label class='radio' checked=''>" + "<input type='radio' name='radio'>" + "<span class='name'> Female </span>" + "</label>" + "<label class='radio'>" + "<input type='radio' name='radio'>" + "<span class='name'> Others </span>" + "</label>" + "</div>" + "</div>");  //  // break;  // case "Others":  //  // out.print(" <div class='rgn'>" + "<span class='gname'> Gender: </span>" + "<div class='radio-inputs'>" + "<label class='radio'>" + "<input type='radio' name='radio' checked=''>" + "<span class='name'> Male </span>" + "</label>" + "<label class='radio'>" + "<input type='radio' name='radio'>" + "<span class='name'> Female </span>" + "</label>" + "<label class='radio' checked=''>" + "<input type='radio' name='radio'>" + "<span class='name'> Others </span>" + "</label>" + "</div>" + "</div>");  //  // break;  // default:  // break;  // }    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>");  }  }  }  } |

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| **UpdateProfile.java**  import java.io.IOException;  import java.io.PrintWriter;  import java.io.\*;  import javax.servlet.\*;  import javax.servlet.ServletException;  import javax.servlet.annotation.WebServlet;  import javax.servlet.http.HttpServlet;  import javax.servlet.http.HttpServletRequest;  import javax.servlet.http.HttpServletResponse;  import java.sql.\*;  import java.text.SimpleDateFormat;  //import java.util.Formatter;  //import java.util.\*;  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");  // out.println("Profile Updated");  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();  // out.println(status);  if(status > 0)  {  // out.println("<h1> You Have Sucessfully Update The Profile </h1>");  request.getRequestDispatcher("Home").include(request, response);  }  }  catch(Exception e)  {  out.println("<h1> An Error Occured " + e + "</h1>");  }  }  }  } |

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| **Browse.java**  import java.io.IOException;  import java.io.PrintWriter;  import java.io.\*;  import javax.servlet.\*;  import javax.servlet.ServletException;  import javax.servlet.annotation.WebServlet;  import javax.servlet.http.HttpServlet;  import javax.servlet.http.HttpServletRequest;  import javax.servlet.http.HttpServletResponse;  import java.sql.\*;  import java.text.SimpleDateFormat;  //import java.util.Formatter;  //import java.util.\*;  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("<link rel = \"stylesheet\" href = \"https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.css\" >");  out.print("<style>");  out.print("body {");  out.print("font-family: sans-serif;");  out.print("}");  out.print("");  out.print("th, td {");  out.print("border: 3px solid red;");  out.print("padding:5px;");  out.print("text-align:center;");  out.print("}");  out.print("");  out.print("table {");  out.print("border-collapse: collapse;");  out.print("border: 1px solid violet;");  out.print("}");  out.print("");  out.print("thead th {");  out.print("width: 15%;");  out.print("}");  out.print("");  out.print(".cell-highlight {");  out.print("background-color: gold;");  out.print("font-weight: bold;");  out.print("}");  out.print("");  out.print("caption {");  out.print("font-weight: bold;");  out.print("font-size: 24px;");  out.print("text-align: left;");  out.print("color: #333;");  out.print("margin-bottom: 16px;");  out.print("}");  out.print("");  out.print("thead {");  out.print("background-color: #339;");  out.print("color: white;");  out.print("font-size: 0.875rem;");  out.print("' text-transform: uppercase;'");  out.print("' letter-spacing: 3px;'");  out.print("}");  out.print("");  out.print("tbody tr:nth-child(odd) {");  out.print("background-color: #fff;");  out.print("}");  out.print("");  out.print("tbody tr:nth-child(even) {");  out.print("background-color: #eee;");  out.print("}");  out.print("");  out.print("tbody th {");  out.print("background-color: #36c;");  out.print("color: #fff;");  out.print("text-align: center");  out.print("}");  out.print("");  out.print("tbody tr:nth-child(even) th {");  out.print("background-color: #25c;");  out.print("}");  out.print("");  out.print(".cen{");  out.print("margin-top:25px;");  out.print("}");  out.print("");  out.print(".anchor\n" +  " {\n" +  " \n" +  " padding-top: 8px; padding-bottom: 8px; padding-left:10px; padding-right:10px;");    out.print("margin-left: 40px; /\* 20px \*/\n" +  " border-radius: 9px; /\* 520px \*/\n" +  " border-color: blue;\n" +  " border-style: double;\n" +  " border-width: 2px; /\* 5px \*/\n" +  "\n" +  " color: crimson;\n" +  " text-decoration: none;\n" +  " letter-spacing: 2px;\n" +  " }\n" +  "\n" +  " .anchor:hover\n" +  " {\n" +  " color: white;\n" +  " background-color: indianred;\n" +  " /\*transition-delay: 0.7s;\*/\n" +  " }");    out.print("input{\n" +  " width: 25%;\n" +  " border: 2px solid #aaa;\n" +  " border-radius: 4px;\n" +  " margin: 8px 0;\n" +  " outline: none;\n" +  " padding: 8px;\n" +  " box-sizing: border-box;\n" +  " transition: 0.3s;\n" +  " }\n" +  " \n" +  " input:focus {\n" +  " border-color: #834d9b;\n" +  " box-shadow: 0 0 8px 0 #834d9b;\n" +  " }");    out.print("</style>");  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);  }  } |

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| **AddBook.java**  import java.io.IOException;  import java.io.PrintWriter;  import java.io.\*;  import javax.servlet.\*;  import javax.servlet.ServletException;  import javax.servlet.annotation.WebServlet;  import javax.servlet.http.HttpServlet;  import javax.servlet.http.HttpServletRequest;  import javax.servlet.http.HttpServletResponse;  import java.sql.\*;  import java.text.SimpleDateFormat;  //import java.util.Formatter;  //import java.util.\*;  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("    <link rel='stylesheet' href='styles.css' >");  out.print("    <link rel = 'stylesheet' href = 'https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.css' >");  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);  }  } |

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| **AddCart.java**  import java.io.IOException;  import java.io.PrintWriter;  import java.io.\*;  import javax.servlet.\*;  import javax.servlet.ServletException;  import javax.servlet.annotation.WebServlet;  import javax.servlet.http.HttpServlet;  import javax.servlet.http.HttpServletRequest;  import javax.servlet.http.HttpServletResponse;  import java.sql.\*;  import java.text.SimpleDateFormat;  //import java.util.Formatter;  //import java.util.\*;  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();  // 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  {  String isb = request.getParameter("aisb");  Class.forName("com.mysql.jdbc.Driver");  Connection con = DriverManager.getConnection("jdbc:mysql://localhost/bookstore", "root", "");  // out.print("<h1 style='font-style: cursive;'> <strong> Home " +isb+ "<strong> </h1>");  String qur = "update newbook set trash = 'no' 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);  }  } |

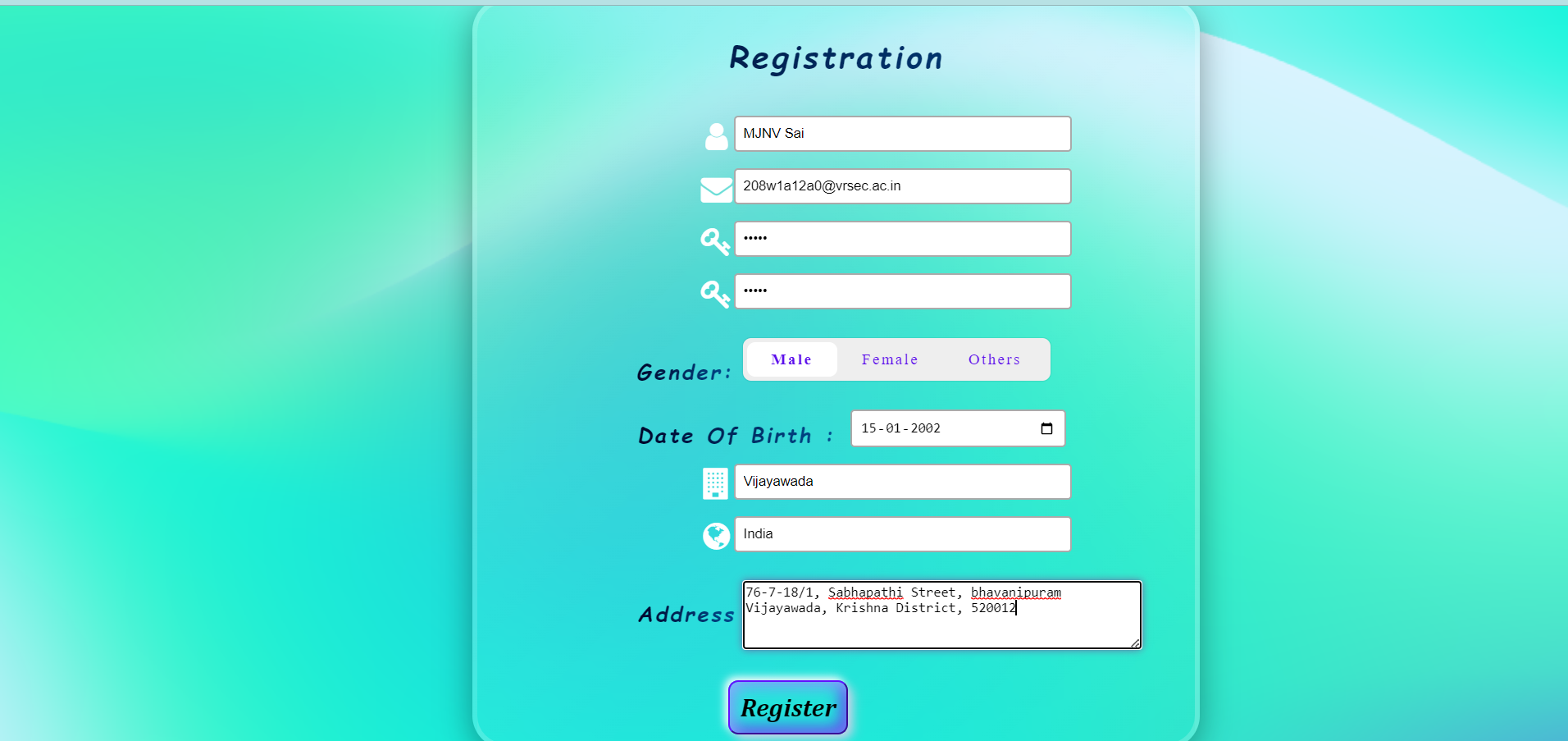
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| **RemoveItem.java**  import java.io.IOException;  import java.io.PrintWriter;  import java.io.\*;  import javax.servlet.\*;  import javax.servlet.ServletException;  import javax.servlet.annotation.WebServlet;  import javax.servlet.http.HttpServlet;  import javax.servlet.http.HttpServletRequest;  import javax.servlet.http.HttpServletResponse;  import java.sql.\*;  import java.text.SimpleDateFormat;  //import java.util.Formatter;  //import java.util.\*;  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();  // 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  {  String isb = request.getParameter("aisb");  Class.forName("com.mysql.jdbc.Driver");  Connection con = DriverManager.getConnection("jdbc:mysql://localhost/bookstore", "root", "");  // out.print("<h1 style='font-style: cursive;'> <strong> Home " +isb+ "<strong> </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);  }  } |

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| **DeleteOrder.java**  import java.io.IOException;  import java.io.PrintWriter;  import java.io.\*;  import javax.servlet.\*;  import javax.servlet.ServletException;  import javax.servlet.annotation.WebServlet;  import javax.servlet.http.HttpServlet;  import javax.servlet.http.HttpServletRequest;  import javax.servlet.http.HttpServletResponse;  import java.sql.\*;  import java.text.SimpleDateFormat;  //import java.util.Formatter;  //import java.util.\*;  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("<link rel = \"stylesheet\" href = \"https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.css\" >");  out.print("<style>");  out.print("body {");  out.print("font-family: sans-serif;");  out.print("}");  out.print("");  out.print("th, td {");  out.print("border: 3px solid red;");  out.print("padding:5px;");  out.print("text-align:center;");  out.print("}");  out.print("");  out.print("table {");  out.print("border-collapse: collapse;");  out.print("border: 1px solid violet;");  out.print("}");  out.print("");  out.print("thead th {");  out.print("width: 30%;");  out.print("}");  out.print("");  out.print(".cell-highlight {");  out.print("background-color: gold;");  out.print("font-weight: bold;");  out.print("}");  out.print("");  out.print("caption {");  out.print("font-weight: bold;");  out.print("font-size: 24px;");  out.print("text-align: left;");  out.print("color: #333;");  out.print("margin-bottom: 16px;");  out.print("}");  out.print("");  out.print("thead {");  out.print("background-color: #339;");  out.print("color: white;");  out.print("font-size: 0.875rem;");  out.print("' text-transform: uppercase;'");  out.print("' letter-spacing: 3px;'");  out.print("}");  out.print("");  out.print("tbody tr:nth-child(odd) {");  out.print("background-color: #fff;");  out.print("}");  out.print("");  out.print("tbody tr:nth-child(even) {");  out.print("background-color: #eee;");  out.print("}");  out.print("");  out.print("tbody th {");  out.print("background-color: #36c;");  out.print("color: #fff;");  out.print("text-align: center");  out.print("}");  out.print("");  out.print("tbody tr:nth-child(even) th {");  out.print("background-color: #25c;");  out.print("}");  out.print("");  out.print(".cen{");  out.print("margin-top:25px;");  out.print("}");  out.print("");  out.print(".anchor\n" +  " {\n" +  " \n" +  " padding-top: 8px; padding-bottom: 8px; padding-left:10px; padding-right:10px;");    out.print("margin-left: 40px; /\* 20px \*/\n" +  " border-radius: 9px; /\* 520px \*/\n" +  " border-color: blue;\n" +  " border-style: double;\n" +  " border-width: 2px; /\* 5px \*/\n" +  "\n" +  " color: crimson;\n" +  " text-decoration: none;\n" +  " letter-spacing: 2px;\n" +  " }\n" +  "\n" +  " .anchor:hover\n" +  " {\n" +  " color: white;\n" +  " background-color: indianred;\n" +  " /\*transition-delay: 0.7s;\*/\n" +  " }");    out.print("input{\n" +  " width: 25%;\n" +  " border: 2px solid #aaa;\n" +  " border-radius: 4px;\n" +  " margin: 8px 0;\n" +  " outline: none;\n" +  " padding: 8px;\n" +  " box-sizing: border-box;\n" +  " transition: 0.3s;\n" +  " }\n" +  " \n" +  " input:focus {\n" +  " border-color: #834d9b;\n" +  " box-shadow: 0 0 8px 0 #834d9b;\n" +  " }");    out.print("</style>");  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>");  }    }  }  } |

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| **OrderItems.java**  import java.io.IOException;  import java.io.PrintWriter;  import java.io.\*;  import javax.servlet.\*;  import javax.servlet.ServletException;  import javax.servlet.annotation.WebServlet;  import javax.servlet.http.HttpServlet;  import javax.servlet.http.HttpServletRequest;  import javax.servlet.http.HttpServletResponse;  import java.sql.\*;  import java.text.SimpleDateFormat;  //import java.util.Formatter;  //import java.util.\*;  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("<link rel = \"stylesheet\" href = \"https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.css\" >");  out.print("<style>");  out.print("body {");  out.print("font-family: sans-serif;");  out.print("}");  out.print("");  out.print("th, td {");  out.print("border: 3px solid red;");  out.print("padding:5px;");  out.print("text-align:center;");  out.print("}");  out.print("");  out.print("table {");  out.print("border-collapse: collapse;");  out.print("border: 1px solid violet;");  out.print("}");  out.print("");  out.print("thead th {");  out.print("width: 30%;");  out.print("}");  out.print("");  out.print(".cell-highlight {");  out.print("background-color: gold;");  out.print("font-weight: bold;");  out.print("}");  out.print("");  out.print("caption {");  out.print("font-weight: bold;");  out.print("font-size: 24px;");  out.print("text-align: left;");  out.print("color: #333;");  out.print("margin-bottom: 16px;");  out.print("}");  out.print("");  out.print("thead {");  out.print("background-color: #339;");  out.print("color: white;");  out.print("font-size: 0.875rem;");  out.print("' text-transform: uppercase;'");  out.print("' letter-spacing: 3px;'");  out.print("}");  out.print("");  out.print("tbody tr:nth-child(odd) {");  out.print("background-color: #fff;");  out.print("}");  out.print("");  out.print("tbody tr:nth-child(even) {");  out.print("background-color: #eee;");  out.print("}");  out.print("");  out.print("tbody th {");  out.print("background-color: #36c;");  out.print("color: #fff;");  out.print("text-align: center");  out.print("}");  out.print("");  out.print("tbody tr:nth-child(even) th {");  out.print("background-color: #25c;");  out.print("}");  out.print("");  out.print(".cen{");  out.print("margin-top:25px;");  out.print("}");  out.print("");  out.print(".anchor\n" +  " {\n" +  " \n" +  " padding-top: 8px; padding-bottom: 8px; padding-left:10px; padding-right:10px;");    out.print("margin-left: 40px; /\* 20px \*/\n" +  " border-radius: 9px; /\* 520px \*/\n" +  " border-color: blue;\n" +  " border-style: double;\n" +  " border-width: 2px; /\* 5px \*/\n" +  "\n" +  " color: crimson;\n" +  " text-decoration: none;\n" +  " letter-spacing: 2px;\n" +  " }\n" +  "\n" +  " .anchor:hover\n" +  " {\n" +  " color: white;\n" +  " background-color: indianred;\n" +  " /\*transition-delay: 0.7s;\*/\n" +  " }");    out.print("input{\n" +  " width: 25%;\n" +  " border: 2px solid #aaa;\n" +  " border-radius: 4px;\n" +  " margin: 8px 0;\n" +  " outline: none;\n" +  " padding: 8px;\n" +  " box-sizing: border-box;\n" +  " transition: 0.3s;\n" +  " }\n" +  " \n" +  " input:focus {\n" +  " border-color: #834d9b;\n" +  " box-shadow: 0 0 8px 0 #834d9b;\n" +  " }");    out.print("</style>");  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>");  }    }  }  } |

**Output Snippets**

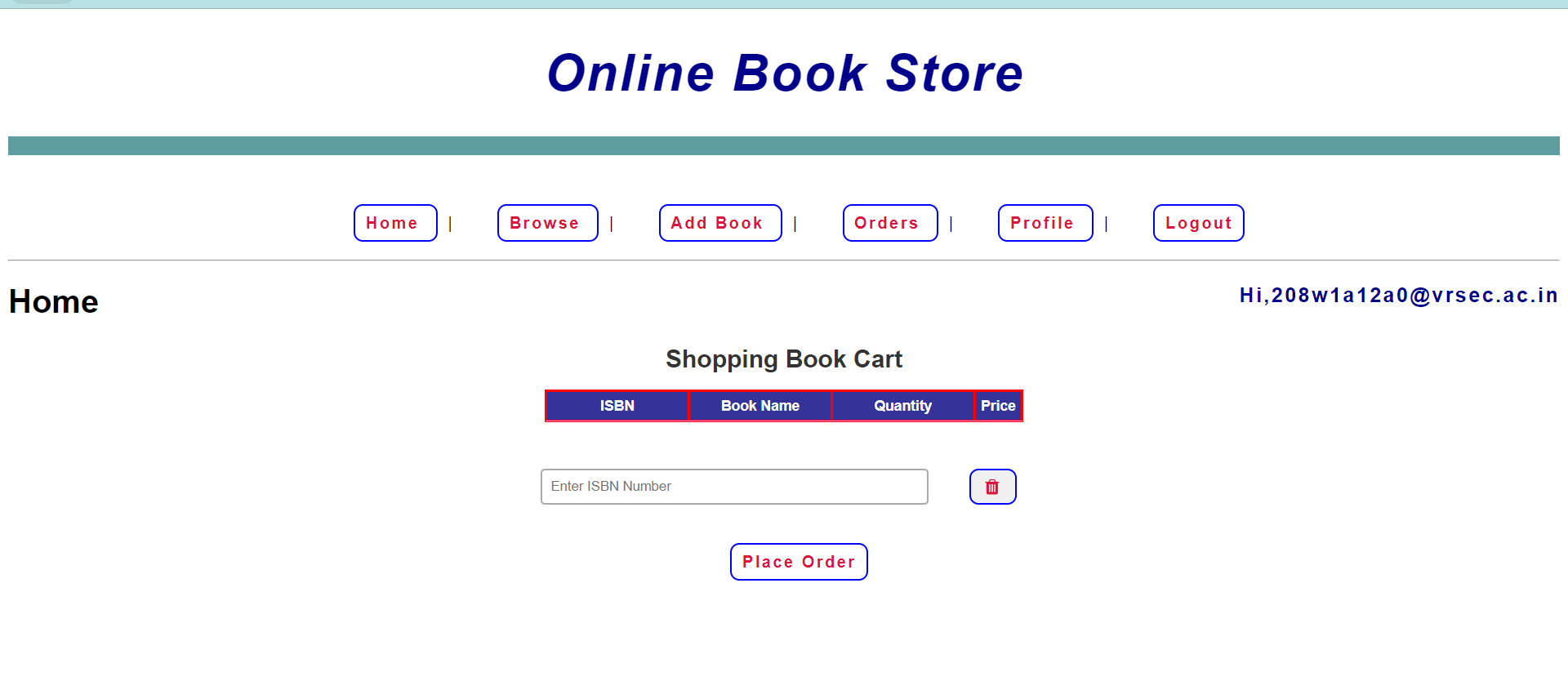
**Register :**



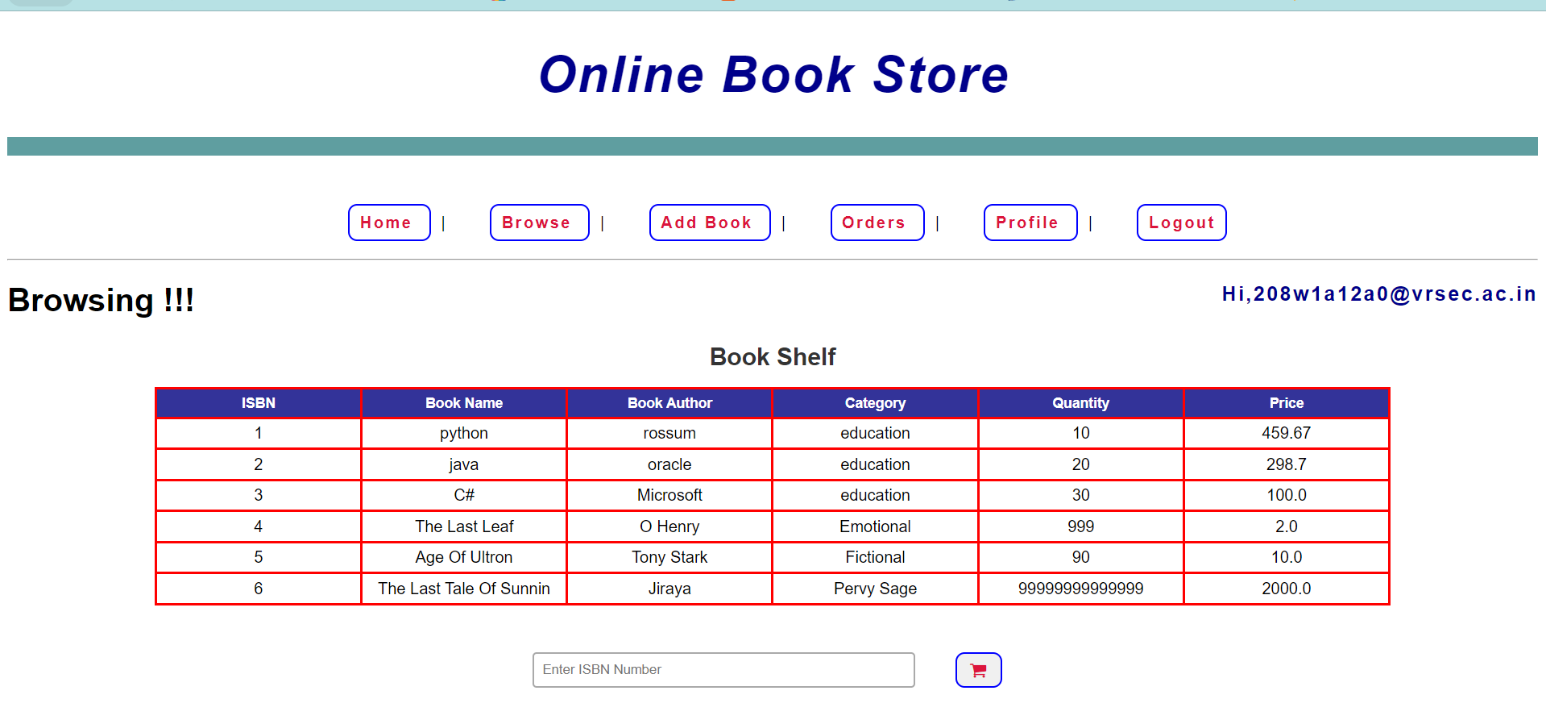
**Login :**



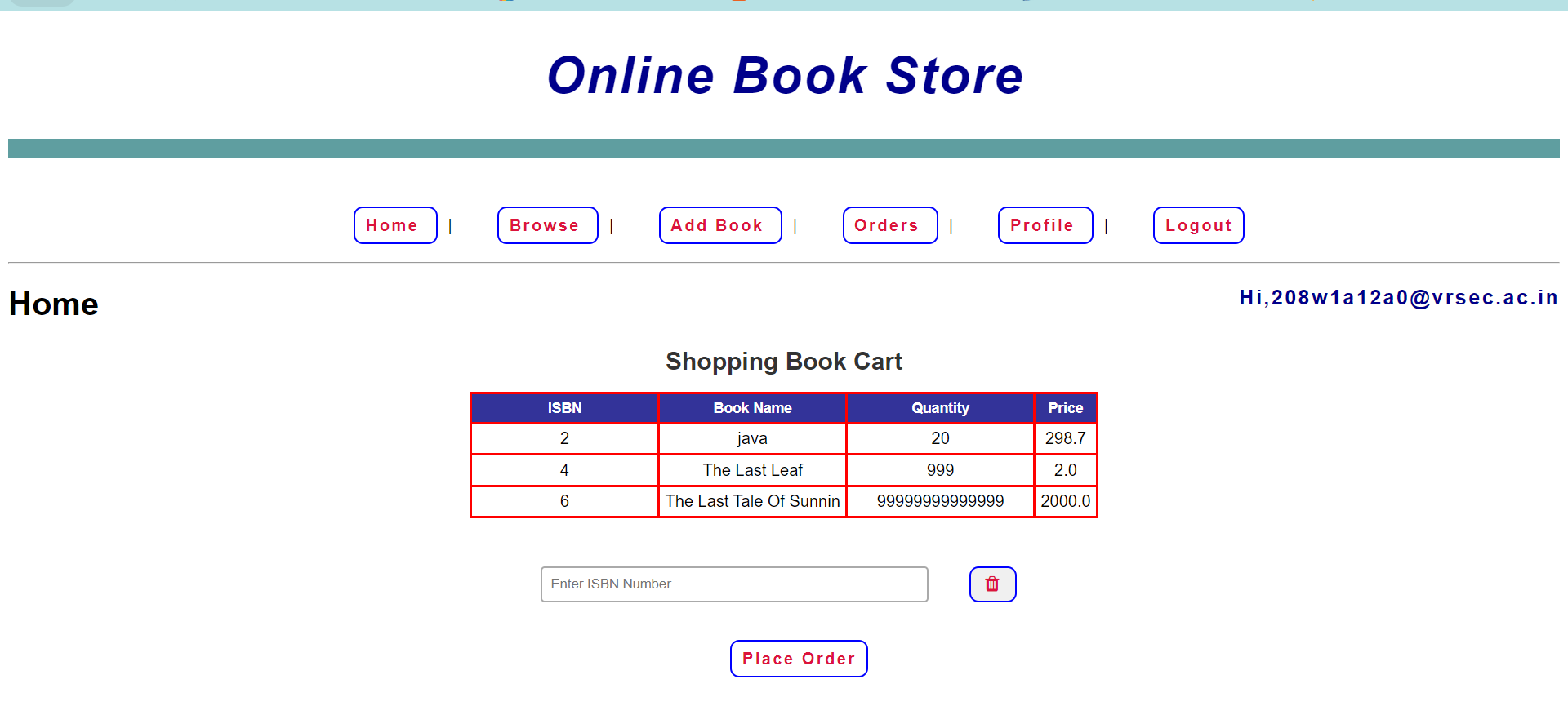
**Home :**



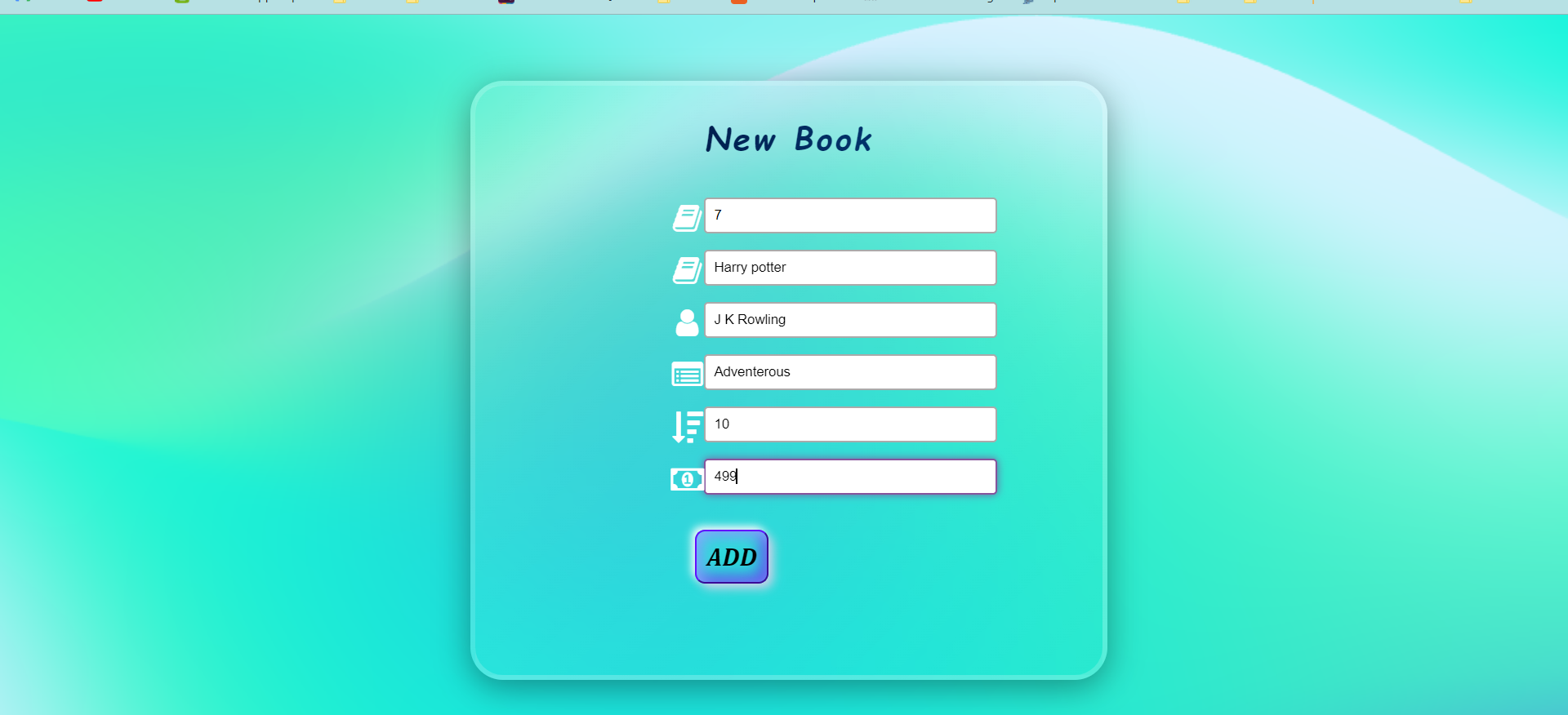
**Browse :**

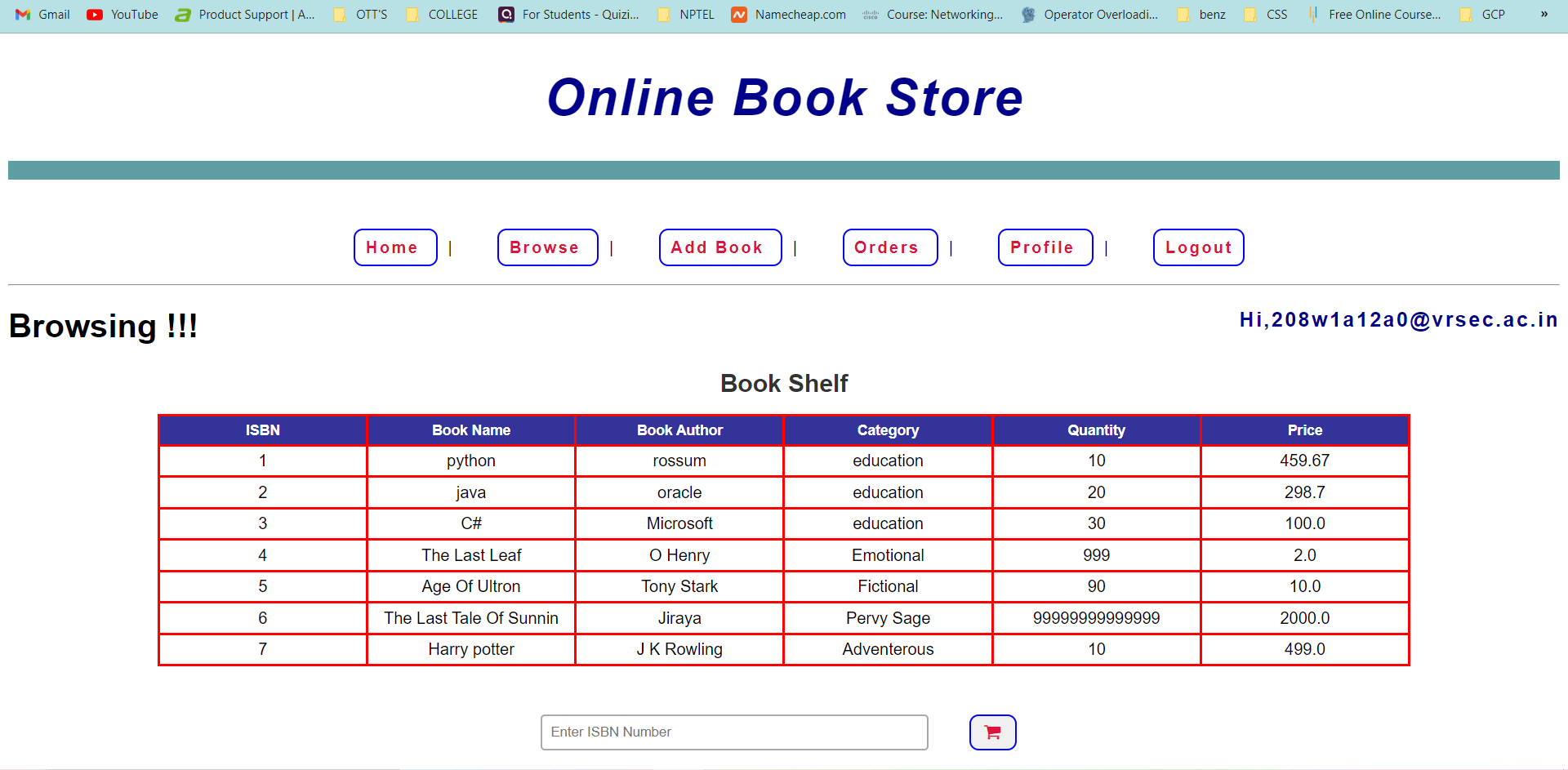


**Shopping Cart :**



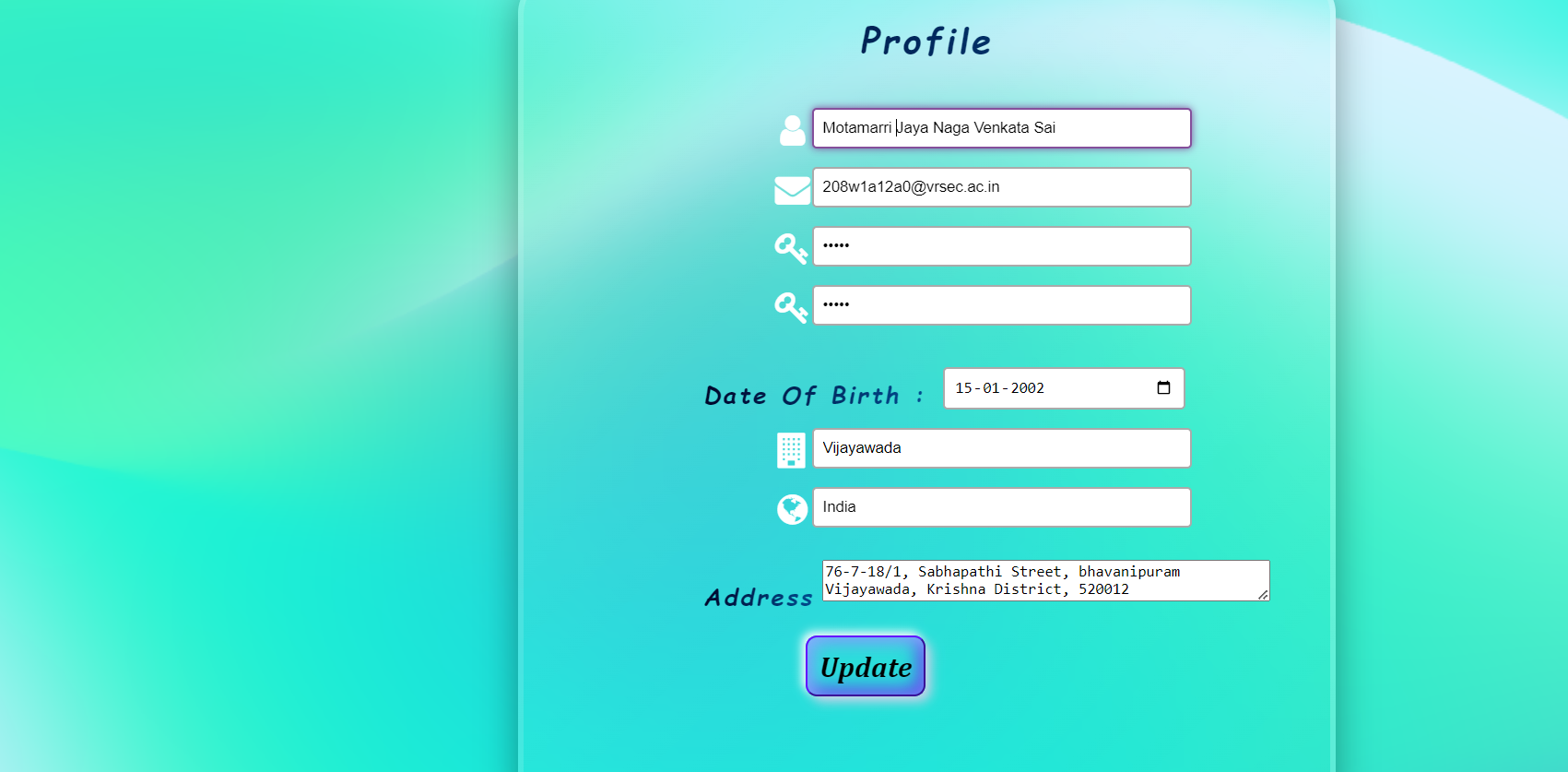
**Add Book :**





**Profile Update :**





**Orders :**

