



# PRESIDENCY UNIVERSITY

Private University Estd. in Karnataka State by Act No. 41 of 2013

## BANGALORE



# REPORT

## JAVA FULL STACK DEVELOPMENT

### CSE-3151

## NOTES SHARING SYSTEM

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## Abstract:

Notes Sharing System provides a platform where users can easily create, edit, organize, and share notes in real-time. Leveraging cloud-based technologies, users can access their notes from any device with an internet connection, facilitating seamless collaboration regardless of geographical location.

Key features of the Collaborative Notes Sharing System include:

Real-Time Collaboration: Users can collaborate simultaneously on the same document, allowing for instant feedback and updates.

Version Control: The system maintains a version history of notes, enabling users to track changes, revert to previous versions, and identify contributors.

Access Control: Users can control access to their notes by setting permissions, such as read-only or editable, and inviting specific individuals or groups to collaborate.

Organizational Tools: The system offers tools for organizing notes, including folders, tags, and search functionality.

Integration with Productivity Tools: Integration with popular productivity tools such as calendars, task managers, and communication platforms.

Overall, the Collaborative Notes Sharing System revolutionizes the way individuals and teams collaborate, facilitating knowledge exchange, productivity, and innovation across diverse domains. By harnessing the power of collaboration, this system empowers users to achieve their goals more effectively and efficiently.



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## Code:

### Insert.html

```
<!DOCTYPE html>

<html>

<head>

<title>Insert title here</title>

<style>

    body {

        background-image:
url('https://cdni.iconscout.com/illustration/premium/thumb/girl-taking-notes-in-
online-class-4029940-3349948.png'); /* Replace 'background.jpg' with the path
to your image */

        background-size: cover;

        background-repeat: no-repeat;

        background-position: center;

    }

    /* Additional CSS styling for form elements can be added here */

</style>

</head>

<body>

<h1>WELCOME TO NOTES SHARING SYSTEM</h1>

<form action="./InsertData" method="post">

<table>
```



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```
<tr><td>Enter Student Number:</td>
<td><input type="text" name="sno"/></td>
</tr>
<tr><td>Enter Name:</td>
<td><input type="text" name="name"/></td>
</tr>
<tr><td>Enter Subject:</td>
<td><input type="text" name="sub"/></td>
</tr>
<tr><td>Enter Department:</td>
<td><input type="text" name="dept"/></td>
</tr>
<tr><td>Enter Notes Shared :</td>
<td><input type="text" name="notes"/></td>
</tr>
<tr><td><input type="submit"/></td></tr>
</table>
</form>
</body>
</html>
```

### InsertData.java

```
import java.io.IOException;
import java.io.PrintWriter;
```



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```
import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;


import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;


/**
 * Servlet implementation class InsertData
 */
@WebServlet("/InsertData")
public class InsertData extends HttpServlet {
    private static final long serialVersionUID = 1L;


    /**
     * @see HttpServlet#HttpServlet()
     */
    public InsertData() {
        super();
        // TODO Auto-generated constructor stub
    }
}
```

```
/**  
  
 * @see HttpServlet#doPost(HttpServletRequest request,  
HttpServletResponse response)  
  
 */  
  
protected void doPost(HttpServletRequest request, HttpServletResponse  
response) throws ServletException, IOException {  
  
    // TODO Auto-generated method stub  
  
    try {  
  
        Class.forName("com.mysql.jdbc.Driver");  
  
        Connection  
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/student?chara  
cterEncoding=latin1","root","nida");  
  
        PreparedStatement st = con.prepareStatement("insert into notes  
values(?, ?, ?, ?, ?)");  
  
        st.setInt(1, Integer.valueOf(request.getParameter("sno")));  
        st.setString(2, request.getParameter("name"));  
        st.setString(3, request.getParameter("sub"));  
        st.setString(4, request.getParameter("dept"));  
        st.setString(5, request.getParameter("notes"));  
  
        st.executeUpdate();  
  
        st.close();  
  
        con.close();  
  
        PrintWriter out = response.getWriter();  
        out.println("<html><body><b>Successfully Inserted"  
+ "</b></body></html>");  
    } catch (Exception e) {
```



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```
System.out.println(e);}
```

```
}
```

```
}
```

### List.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="ISO-8859-1">
```

```
<title>Insert title here</title>
```

```
</head>
```

```
<body>
```

```
<form action="/ListData">
```

```
<input type="submit" value="List"/>
```

```
</form>
```

```
</body>
```

```
</html>
```

### ListData.java

```
import java.io.IOException;
```

```
import java.io.PrintWriter;
```

```
import java.sql.Connection;
```

```
import java.sql.DriverManager;
```





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```
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.ResultSetMetaData;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 * Servlet implementation class ListData
 */
@WebServlet("/ListData")
public class ListData extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public ListData() {
        super();
        // TODO Auto-generated constructor stub
    }
}
```



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```
/**  
  
 * @see HttpServlet#doGet(HttpServletRequest request,  
HttpServletResponse response)  
  
 */  
  
protected void doGet(HttpServletRequest request, HttpServletResponse  
response) throws ServletException, IOException {  
    // TODO Auto-generated method stub  
    response.setContentType("text/html");  
    PrintWriter out = response.getWriter();  
    try {  
  
        Class.forName("com.mysql.jdbc.Driver");  
        Connection  
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/student?chara  
cterEncoding=latin1","root","nida");  
  
        PreparedStatement ps=con.prepareStatement("select * from  
notes");  
  
        out.print("<table width=50% border=1>");  
        out.print("<caption>Result:</caption>");  
  
        ResultSet rs=ps.executeQuery();  
  
        /* Printing column names */
```

```
ResultSetMetaData rsmd=rs.getMetaData();
int total=rsmd.getColumnCount();
out.print("<tr>");
for(int i=1;i<=total;i++)
{
out.print("<th>" +rsmd.getColumnName(i)+"</th>");
}

out.print("<th>Status</th></tr>");

/* Printing result */

while(rs.next())
{

out.print("<tr><td>" +rs.getInt(1)+"</td><td>" +rs.getString(2)+
"</td><td>" +rs.getString(3)+"</td><td>" + rs.getString(4)+"</td><td>" +
rs.getString(5)+"</td><td>");

}

out.print("</table>");

} catch (Exception e2) {e2.printStackTrace();}

finally {out.close();}
```



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}

}

### **delete.html**

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="ISO-8859-1">
```

```
<title>Insert title here</title>
```

```
</head>
```

```
<body>
```

```
<form action="./DeleteData" method="post">
```

```
Enter your student No:<input type="text" name="sno"/><br/>
```

```
<input type="submit" value="delete"/>
```

```
</form>
```

```
</body>
```

```
</html>
```

### **DeleteData.java**

```
import java.io.IOException;
```

```
import java.io.PrintWriter;
```

```
import java.sql.Connection;
```

```
import java.sql.DriverManager;
```

```
import java.sql.PreparedStatement;
```



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```
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 * Servlet implementation class DeleteData
 */
@WebServlet("/DeleteData")
public class DeleteData extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public DeleteData() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doPost(HttpServletRequest request,
    HttpServletResponse response)
     */
}
```



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protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

// TODO Auto-generated method stub

response.setContentType("text/html");

PrintWriter out = response.getWriter();

try {

String rno=request.getParameter("sno");

int rn=Integer.valueOf(rno);

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

Connection

con=DriverManager.getConnection("jdbc:mysql://localhost:3306/student?characterEncoding=latin1","root","nida");

PreparedStatement ps=con.prepareStatement("delete from notes where sno=?");

ps.setInt(1,rn);

ps.executeUpdate();

} catch (Exception e2) {e2.printStackTrace();}

finally{out.close();}

}

}



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### search.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="ISO-8859-1">
```

```
<title>Insert title here</title>
```

```
</head>
```

```
<body>
```

```
<form action="./DispData">
```

```
Enter your student No:<input type="text" name="sno"/><br/>
```

```
<input type="submit" value="search"/>
```

```
</form>
```

```
</body>
```

```
</html>
```



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## Output:

localhost:8080/notes/insert.html

Gmail YouTube Maps News Translate Adobe Acrobat

### WELCOME TO NOTES SHARING SYSTEM

Enter Student Number:   
Enter Name:   
Enter Subject:   
Enter Department:   
Enter Notes Shared :

## Insert.html

localhost:8080/notes/insert.html

Gmail YouTube Maps News Translate Adobe Acrobat

### WELCOME TO NOTES SHARING SYSTEM

Enter Student Number:   
Enter Name:   
Enter Subject:   
Enter Department:   
Enter Notes Shared :





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```
mysql> select * from notes;
+-----+-----+-----+-----+-----+
| sno  | name  | subject | dept  | notes_shared |
+-----+-----+-----+-----+-----+
| 1    | nida  | ai      | cs    | 3            |
| 2    | prerna | nlp     | ece   | 6            |
| 3    | bhuvana | ml      | mech  | 2            |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

### delete.html

---

Enter your student No:

```
mysql> select * from notes;
+-----+-----+-----+-----+-----+
| sno  | name  | subject | dept  | notes_shared |
+-----+-----+-----+-----+-----+
| 1    | nida  | ai      | cs    | 3            |
| 2    | prerna | nlp     | ece   | 6            |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```



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### search.html

Enter your student No:

### list.html

Result:

sno	name	subject	dept	notes_shared	Status
1	nida	ai	cs	3	
2	prerna	nlp	ece	6	