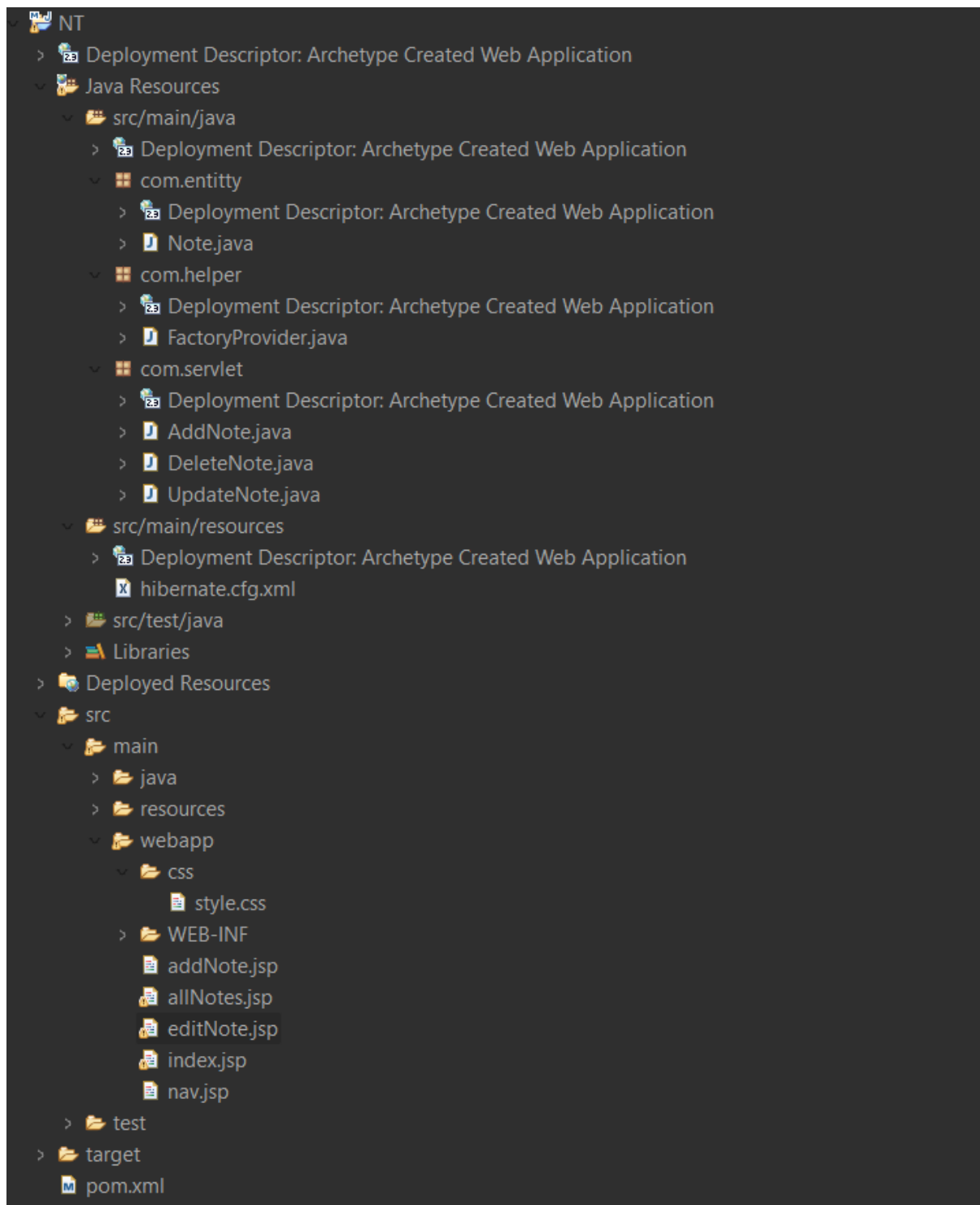


# Note Taker App



```

    <!-- https://mvnrepository.com/artifact/org.hibernate/hibernate-core -->
<dependency>
    <groupId>org.hibernate</groupId>
    <artifactId>hibernate-core</artifactId>
    <version>5.6.14.Final</version>
</dependency>

    <!-- https://mvnrepository.com/artifact/mysql/mysql-connector-java -->
<dependency>
    <groupId>mysql</groupId>
    <artifactId>mysql-connector-java</artifactId>
    <version>8.0.33</version>
</dependency>
</dependencies>
<build>
    <finalName>NT</finalName>
    <plugins>
        <plugin>
            <groupId>org.apache.maven.plugins</groupId>
            <artifactId>maven-war-plugin</artifactId>
            <version>3.3.2</version>
            <configuration>
                <webappDirectory>/sample/servlet/container/deploy/directory</webappDirectory>
            </configuration>
        </plugin>
    </plugins>
</build>

```

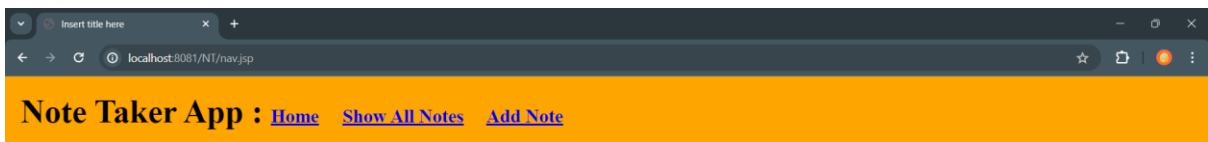
```

hibernate.cfg.xml X
3 <!DOCTYPE hibernate-configuration PUBLIC
4     "-//Hibernate/Hibernate Configuration DTD 3.0//EN"
5     "http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">
6
7 <hibernate-configuration>
8     <session-factory>
9         <!--
10         <property name="connection.driver_class">oracle.jdbc.driver.OracleDriver</property>
11         -->
12         <property name="connection.driver_class">com.mysql.jdbc.Driver</property>
13         <!--
14         <property name="connection.url">jdbc:oracle:thin:@localhost:1521:xe</property>
15         -->
16         <property name="connection.url">jdbc:mysql://localhost:3306/noteTaker_db</property>
17         <!--
18         <property name="dialect">org.hibernate.dialect.OracleDialect</property>
19         -->
20         <property name="dialect">org.hibernate.dialect.MySQL5Dialect</property>
21
22         <!--
23         <property name="connection.username">system</property>
24         <property name="connection.password">system</property>
25         -->
26
27         <property name="connection.username">root</property>
28         <property name="connection.password">root</property>
29
30         <property name="hbm2ddl.auto">update</property>
31
32         <property name="show_sql">true</property>
33         <property name="format_sql">true</property>
34
35         <mapping class="com.entitty.Note"/>
36
37     </session-factory>
38 </hibernate-configuration>

```

```
.cont1{
  background-color: orange;
  padding: 20px;
}

h2 .navAppName{
  font-size: 42px;
}
```



```

index.jsp x
1 <!doctype html>
2 <html>
3 <head>
4 <link href="css/style.css" rel="stylesheet">
5 <title>Note Taker : Home</title>
6 </head>
7 <body>
8
9 <h2 class=indexCont1>Note Taker App</h2>
10
11 <div class="btn1">
12 <button ><a href="addNote.jsp">Start</a></button>
13 </div>
14
15 </body>
16 </html>
17

```

```

*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

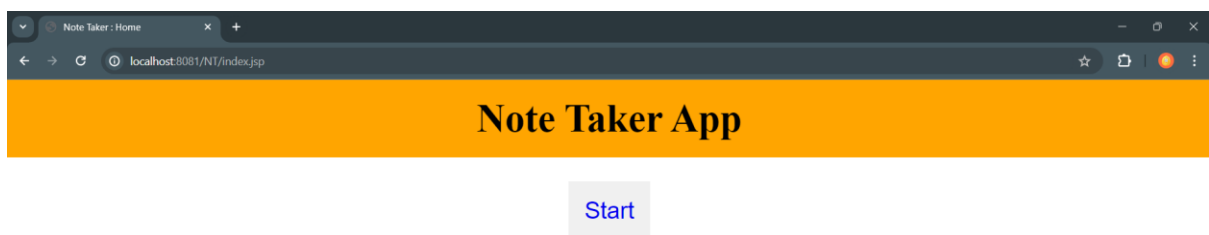
.indexCont1{
    background-color: orange;
    padding: 20px;
    font-size: 50px;
    text-align: center;
}

.btn1{
    width: 200px;
    margin: 0 auto;
    text-align: center;
}

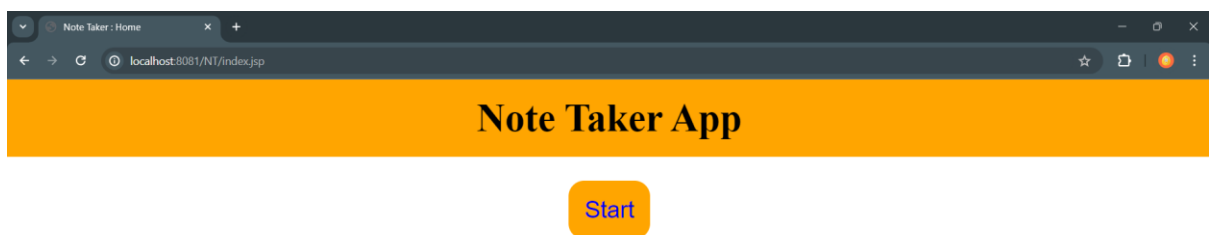
.btn1 button{
    font-size: 30px;
    padding: 20px;
    margin-top: 30px;
    border-style: none;
}

```

```
.btn1 button:hover{  
  background-color: orange;  
  color: #008000;  
  border-radius: 20px;  
}  
  
.btn1 button a{  
  text-decoration: none;  
}
```



## Hover



```

addNote.jsp ×
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <meta charset="ISO-8859-1">
7 <title>Add Note</title>
8 </head>
9 <body>
10     <%@include file="nav.jsp" %>
11
12     <div class="Form">
13         <form action="AddNote" method="post">
14             <input
15                 type="text"
16                 placeholder="Enter Title"
17                 name="title"
18                 required="required">
19
20             <textarea
21                 class="noteContent"
22                 id="content"
23                 name="content"
24                 placeholder="Enter Content"
25                 required="required"></textarea>
26
27             <div class="btn2">
28                 <button type="submit" >Add</button>
29             </div>
30         </form>
31     </div>
32
33 </body>
34 </html>

```

```

.Form{
    background-color: #8080ff;
    width: 600px;
    margin: 30px auto 0 auto;
    padding: 30px 30px 0 30px;
    text-align: center;
}

```

```

.Form input,textarea{
    margin-bottom: 30px;
    width: 100%;
    border-style: none;
    padding: 10px;
    font-size: 20px;
}

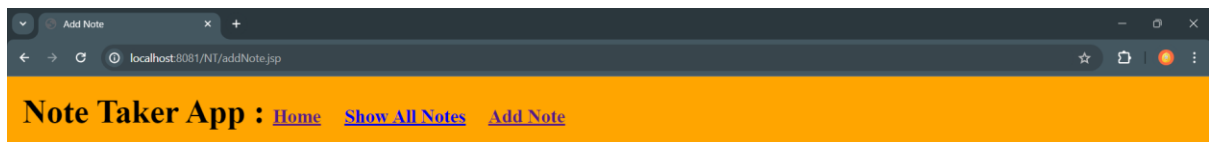
```

```
.btn2{
  padding-bottom:30px;
  border-style: none;
}

.btn2 button {
  font-size: 20px;
  padding:10px;
}

.btn2 button a{
  text-decoration: none;
}

.success{
  color: green;
}
```



Add

```

allNotes.jsp x
1 <%@page import="java.text.SimpleDateFormat"%>
2 <%@page import="com.entity.Note"%>
3 <%@page import="java.util.List"%>
4 <%@page import="org.hibernate.query.Query"%>
5 <%@page import="com.helper.FactoryProvider"%>
6 <%@page import="org.hibernate.Session"%>
7 <%@ page language="java" contentType="text/html; charset=ISO-8859-1"
8     pageEncoding="ISO-8859-1"%>
9 <!DOCTYPE html>
10 <html>
11 <head>
12 <meta charset="ISO-8859-1">
13 <title>All Notes</title>
14 </head>
15 <body>
16     <%@include file="nav.jsp" %>
17
18     <%
19         Session s = FactoryProvider.getFactory().openSession();
20         Query q = s.createQuery("from Note order by addedDate desc");
21         List<Note> l = q.list();
22         SimpleDateFormat dateFormat = new SimpleDateFormat("yyyy-MM-dd hh:mm:ss a");
23         for (Note n:l) {
24             String formattedDate = dateFormat.format(n.getAddedDate());
25             %>

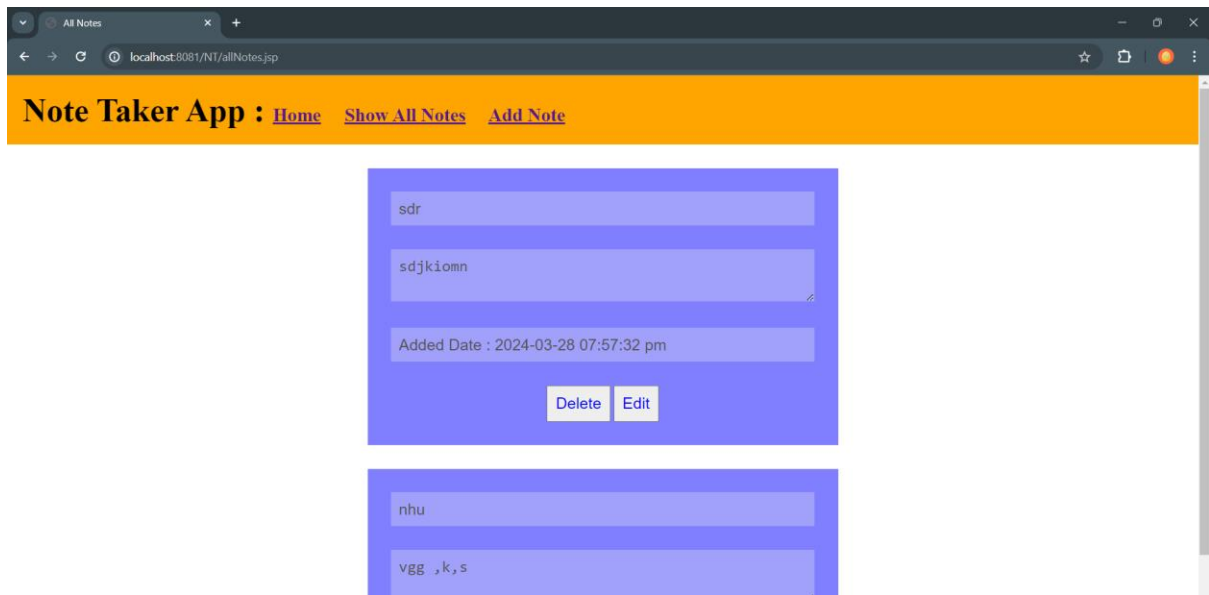
```

```

allNotes.jsp x
25     %>
26     <div class="Form">
27         <form >
28             <input
29                 type="text"
30                 placeholder="Enter Title"
31                 name="title"
32                 value="<%= n.getTitle() %>"
33                 disabled="disabled">
34
35             <textarea
36                 class="noteContent"
37                 id="content"
38                 name="content"
39                 disabled="disabled"><%= n.getContent() %></textarea>
40
41             <input
42                 type="text"
43                 name="title"
44                 disabled="disabled" value="Added Date : <%= formattedDate %>"
45
46             <div class="btn2">
47                 <button ><a href="DeleteNote?id=<%= n.getId() %>">Delete</a></button>
48                 <button ><a href="editNote.jsp?id=<%= n.getId() %>">Edit</a></button>
49             </div>
50         </form>
51     </div>
52     <%
53     }
54     s.close();
55     %>

```





```
editNote.jsp x
1 <%@page import="com.entitty.Note"%>
2 <%@page import="com.helper.FactoryProvider"%>
3 <%@page import="org.hibernate.Session"%>
4 <%@ page language="java" contentType="text/html; charset=ISO-8859-1"
5     pageEncoding="ISO-8859-1"%>
6 <!DOCTYPE html>
7 <html>
8 <head>
9 <meta charset="ISO-8859-1">
10 <title>Edit Note</title>
11 </head>
12 <body>
13 <%@include file="nav.jsp" %>
14 <%
15 int id = Integer.parseInt(request.getParameter("id").trim() );
16 Session s = FactoryProvider.getFactory().openSession();
17 Note n = (Note)s.get(Note.class, id);
18
19 %>
```

```

<div class="Form">
    <form action="UpdateNote" method="post">
        <input
            value="<%= n.getId() %>"
            name="nid"
            type="hidden">

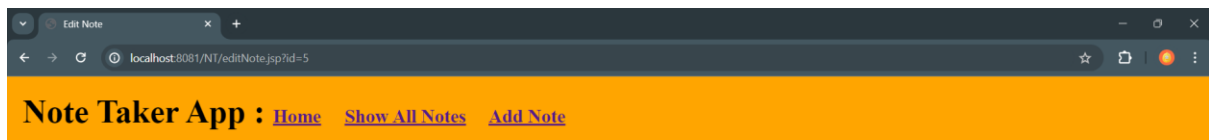
        <input
            type="text"
            placeholder="Enter Title"
            name="title"
            value="<%= n.getTitle() %>"
            required="required">

        <textarea
            class="noteContent"
            id="content"
            name="content"
            required="required"><%= n.getContent() %></textarea>

        <div class="btn2">
            <button type="submit" >Save</button>
        </div>
    </form>
</div>
<%
s.close();
%>

</body>
</html>

```



## Note.java

```
package com.entitty;

import java.util.Date;

import javax.persistence.Column;
import javax.persistence.Entity;
import javax.persistence.GeneratedValue;
import javax.persistence.GenerationType;
import javax.persistence.Id;
import javax.persistence.Table;

@Entity
@Table(name="nates")
public class Note {
    @Id
    @GeneratedValue(strategy = GenerationType.AUTO)
    private int id;
    private String title;
    @Column(length = 5000)
    private String content;
    private Date addedDate;

    public Note() {
        super();
        // TODO Auto-generated constructor stub
    }

    public Note(String title, String content, Date
addedDate) {
        super();
        this.title = title;
        this.content = content;
        this.addedDate = addedDate;
    }

    public int getId() {
        return id;
    }
}
```

```
public void setId(int id) {
    this.id = id;
}

public String getTitle() {
    return title;
}

public void setTitle(String title) {
    this.title = title;
}

public String getContent() {
    return content;
}

public void setContent(String content) {
    this.content = content;
}

public Date getAddedDate() {
    return addedDate;
}

public void setAddedDate(Date addedDate) {
    this.addedDate = addedDate;
}

@Override
public String toString() {
    return "Note [id=" + id + ", title=" + title + ",
content=" + content + ", addedDate=" + addedDate +
"]";
}

}
```

## FactoryProvider.java

```
package com.helper;

import org.hibernate.SessionFactory;
import org.hibernate.cfg.Configuration;

public class FactoryProvider {
    public static SessionFactory fac;
    public static SessionFactory getFactory() {

        if(fac==null) {
            fac = new
Configuration().configure("hibernate.cfg.xml").buildSes
sionFactory();
        }

        return fac;
    }

    public void closeFactory(){
        if(fac.isOpen()) {
            fac.close();
        }
    }
}
```

## AddNote.java

```
package com.servlet;

import java.io.IOException;
import java.io.PrintWriter;
import java.util.Date;

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

```

import org.hibernate.Session;
import org.hibernate.Transaction;

import com.entitty.Note;
import com.helper.FactoryProvider;

public class AddNote extends HttpServlet {
    private static final long serialVersionUID = 1L;

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

    protected void doPost(HttpServletRequest req,
        HttpServletResponse res) throws ServletException,
        IOException {
        try {
            String title = req.getParameter("title");
            String content = req.getParameter("content");
            Note n = new Note(title, content, new Date());
            System.out.println(n);
            Session s =
FactoryProvider.getFactory().openSession();
            Transaction tx = s.beginTransaction();
            s.save(n);
            tx.commit();
            s.close();
            res.setContentType("text/html");
            PrintWriter pw = res.getWriter();
            pw.println("<h1 style='text-align:center'>Successfully Added...</h1>");
            pw.println("<h1 style='text-align:center'><a href='allNotes.jsp'>View All Notes</a></h1>");
        } catch (Exception e) {
            // TODO: handle exception

```

```

        System.out.println("Error in
com.servlet.AddNote..");
        e.printStackTrace();
    }
}
}

```

## DeleteNote.java

```

package com.servlet;

import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import org.hibernate.Session;
import org.hibernate.Transaction;

import com.entitty.Note;
import com.helper.FactoryProvider;

/**
 * Servlet implementation class DeleteNote
 */
public class DeleteNote extends HttpServlet {
    private static final long serialVersionUID = 1L;

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

```

```

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

    try {
        int id =
Integer.parseInt(request.getParameter("id").trim());
        Session s =
FactoryProvider.getFactory().openSession();
        Transaction tx = s.beginTransaction();
        Note n = (Note)s.get(Note.class, id);
        s.delete(n);
        tx.commit();
        s.close();
        response.sendRedirect("allNotes.jsp");
    } catch (Exception e) {
        // TODO: handle exception
    }

}
}

```

## UpdateNote.java

```

package com.servlet;

import java.io.IOException;
import java.util.Date;

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

import org.hibernate.Session;
import org.hibernate.Transaction;

import com.entitty.Note;
import com.helper.FactoryProvider;

```



```
public class UpdateNote extends HttpServlet {

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

        try {
            String title = request.getParameter("title");
            String content =
request.getParameter("content");

            int nid =
Integer.parseInt(request.getParameter("nid"));

            Session s =
FactoryProvider.getFactory().openSession();

            Transaction tx = s.beginTransaction();

            Note n = s.get(Note.class, nid);
            n.setTitle(title);
            n.setContent(content);
            n.setAddedDate(new Date());
            tx.commit();
            s.close();

            response.sendRedirect("allNotes.jsp");
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}
```