

**IDE used: Eclipse IDE**

**Server used : Tomcat (XAMPP)**

**Database used: MySQL (XAMPP)**

Index
1. Guestbook Application

1.

**in.xhtml**

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml"
xmlns:h="http://java.sun.com/jsf/html"
xmlns:f="http://java.sun.com/jsf/core"
>
<h:head>
<title>index.xhtml</title>
</h:head>

<h:body>
<h1>Welcome you</h1>
<h2>GUESTBOOK ENTERIES</h2>

<h:dataTable value="#{Displaybean.getUserList()}" var="u" border="1">

<h:column>
<f:facet name="header">
DOB
</f:facet>
#{u.dob}
</h:column>

<h:column>
<f:facet name="header">
NAME
</f:facet>
#{u.name}
</h:column>

<h:column>
```

```

<f:facet name="header">
EMAIL
</f:facet>
#{u.email}
</h:column>

<h:column>
<f:facet name="header">
MESSAGE
</f:facet>
#{u.message}
</h:column>

</h:dataTable>
<br/>
<br/>
<h:outputLink value="in1.xhtml">Click here to enter entries in
guestbook</h:outputLink>
</h:body>

</html>

```

## in1.xhtml

```

<!DOCTYPE html PUBLIC
"-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml"
xmlns:h="http://xmlns.jcp.org/jsf/html"
xmlns:f="http://xmlns.jcp.org/jsf/core">
<h:head>
<title>Guestbook Form</title>
</h:head>
<h:body>
<h1>Guestbook Form</h1>
<h:form id="form">
<table>
<tr>
<td><h:outputLabel for="dob"> Date</h:outputLabel></td>
<td><h:inputText id="dob-id" value="#{user.dob}" converterMessage="Please provide
date of birth in dd/mm/yyyy format">
<f:convertDateTime pattern="dd/MM/yyyy" />
</h:inputText><br/> </td>
</tr>
<tr>
<td><h:outputLabel for="username">User Name</h:outputLabel></td>
<td><h:inputText id="name-id" value="#{user.name}"/></td>
</tr>
<tr>
<td><h:outputLabel for="email">Your Email</h:outputLabel></td>
<td><h:inputText id="email-id" value="#{user.email}"/></td>
</tr>
<tr>
<td><h:outputLabel for="message">Message</h:outputLabel></td>
<td><h:inputTextarea value="#{user.message}" cols="50" rows="5"/></td></tr>
</table>
<h:commandButton action="#{user.submit()}" value="submit"></h:commandButton>
</h:form>
</h:body>
</html>

```

## re1.xhtml

```
<!DOCTYPE html PUBLIC
"-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml"
xmlns:h="http://xmlns.jcp.org/jsf/html"
xmlns:f="http://xmlns.jcp.org/jsf/core">
<h:head>
<title>User Details</title>
</h:head>
<h:body>
<h2><h:outputText value="Hello #{user.name}"/></h2>
<h4><h:outputText value="The details you entered in the database are The
following."/></h4>
<table>
<tr>
<td><b>DOB: </b></td>
<td><h:outputText value="#{user.dob}" >
<f:convertDateTime pattern="dd/MM/yyyy" />
</h:outputText> </td>
</tr>
<tr>
<td><b>Email: </b></td>
<td><h:outputText value="#{user.email}"/><br/></td>
</tr>
<tr>
<td><b>Message: </b></td>
<td><h:outputText value="#{user.message}"/></td>
</tr>
</table>
<br/>
<br/>
<h:outputLink value="in.xhtml">Click here to display enteries in
guestbook</h:outputLink>
</h:body>
</html>
```

## user.java

```
package gb;
```

```
import javax.faces.bean.ManagedBean;
```

```
import java.text.DateFormat;
```

```
import java.text.SimpleDateFormat;
```

```
import java.util.Date;
```

```
import java.util.Calendar;
```

```
import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.SQLException;

import java.util.Date;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.faces.bean.RequestScoped;

@ManagedBean

@RequestScoped

public class User{

    String name;

    String email;

    String strDate;

    public String message;

    public Date dob;

    public Date getdob() {

        return dob;

    }

    public void setdob(Date dob) {

        this.dob = dob;

    }

    public String getName() {

        return name;

    }

}
```

```
}

public void setName(String name) {
    this.name = name;
}

public String getEmail() {
    return email;
}

public void setEmail(String email) {
    this.email = email;
}

public String getmessage() {
    return message;
}

public void setmessage(String message) {
    this.message = message;
}

public boolean save(){
    int result = 0;
    try{
        DateFormat dateFormat = new SimpleDateFormat("dd-MMM-yyyy");
        this.strDate = dateFormat.format(dob);
```

```

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

Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/test","root","");

PreparedStatement stmt = con.prepareStatement("insert into
guestbook(dob,name,email,message) values(?,?,?,?)");

stmt.setString(1, this.strDate);

stmt.setString(2, this.getName());

stmt.setString(3, this.getEmail());

stmt.setString(4, this.getMessage());

result = stmt.executeUpdate();

}catch(Exception e){

System.out.println(e);

}

if(result == 1){

return true;

}else return false;

}

public String submit(){

if(this.save()){

return "re1.xhtml";

}else return "in1.xhtml";

}

}

```

## **display.java**

```
package gb;
```

```
import javax.faces.bean.ManagedBean;
```

```
import javax.faces.bean.RequestScoped;
```

```
import java.util.Date;
```

```
@ManagedBean(name="display")
```

```
@RequestScoped
```

```
public class Display {
```

```
    String name;
```

```
    String email;
```

```
    String strDate;
```

```
    public String message;
```

```
    public String getdob() {
```

```
        return strDate;
```

```
    }
```

```
    public void setdob(String strDate) {
```

```
        this.strDate = strDate;
```

```
    }
```

```
    public String getName() {  
        return name;  
    }  
  
    public void setName(String name) {  
        this.name = name;  
    }  
  
    public String getEmail() {  
        return email;  
    }  
  
    public void setEmail(String email) {  
        this.email = email;  
    }  
  
    public String getmessage() {  
        return message;  
    }  
  
    public void setmessage(String message) {  
        this.message = message;  
    }  
  
}
```

**displaybean.java**



```
package gb;
```

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

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

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

```
import java.sql.ResultSet;
```

```
import java.util.ArrayList;
```

```
import java.util.List;
```

```
import javax.faces.bean.ManagedBean;
```

```
import javax.faces.bean.SessionScoped;
```

```
@ManagedBean(name = "Displaybean")
```

```
@SessionScoped
```

```
public class Displaybean {
```

```
    public List<Display> getUserList()
```

```
    {
```

```
        List<Display> list = new ArrayList<Display>();
```

```
        PreparedStatement ps = null;
```

```
        Connection con = null;
```

```
ResultSet rs = null;

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

    con = DriverManager.getConnection("jdbc:mysql://localhost:3306/test", "root",
    "");

    String sql = "select * from guestbook";

    ps= con.prepareStatement(sql);

    rs= ps.executeQuery();

    while (rs.next())
    {
        Display usr = new Display();
        usr.setdob(rs.getString("dob"));
        usr.setName(rs.getString("name"));
        usr.setEmail(rs.getString("email"));
        usr.setmessage(rs.getString("message"));
        list.add(usr);
    }
}

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

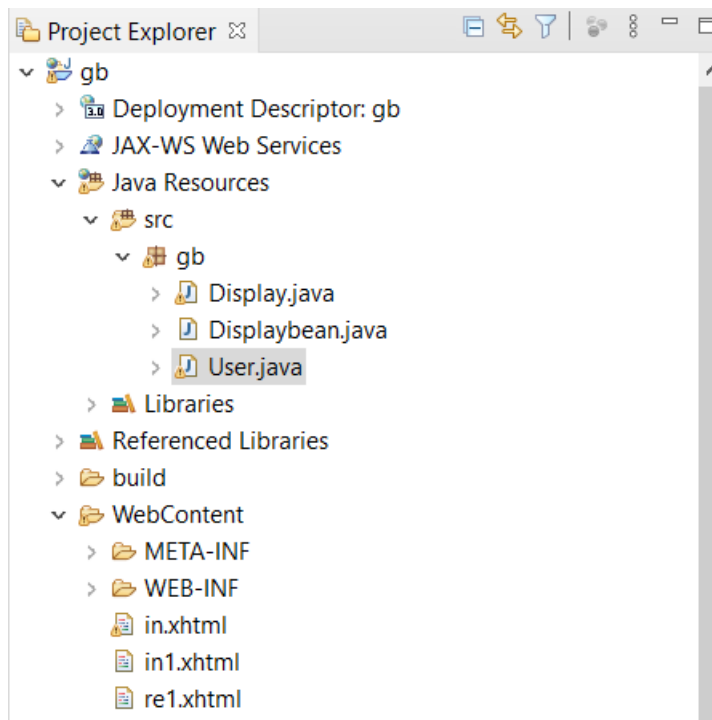
finally
{

```

```
try
{
con.close();
ps.close();
}
catch(Exception e)
{
e.printStackTrace();
}
}

return list;
}
}
```

### Output:



Eclipse IDE screenshot showing a web application running on localhost:8080/gb/faces/in1.xhtml. The page displays a "Welcome you" message and a "GUESTBOOK ENTERIES" table.

DOB	NAME	EMAIL	MESSAGE
05-Aug-2021	tony stark	tony@starkund.com	you know who i am
05-Aug-2000	ashi	a@gmail.com	hi

Click here to enter enteries in guestbook

Console output shows warnings from Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files (x86)\Java\jre1.8.0\_261\bin\javaw.exe (22-Mar-2021, 5:08:05 pm):

```
Mar 22, 2021 5:09:51 PM com.sun.faces.renderkit.html_basic.HtmlBasicRenderer getForComponent
WARNING: Unable to find component with ID username in view.
Mar 22, 2021 5:09:51 PM com.sun.faces.renderkit.html_basic.HtmlBasicRenderer getForComponent
WARNING: Unable to find component with ID email in view.
Mar 22, 2021 5:09:51 PM com.sun.faces.renderkit.html_basic.HtmlBasicRenderer getForComponent
WARNING: Unable to find component with ID message in view.
```

Eclipse IDE screenshot showing the "Guestbook Form" page. The form contains input fields for Date, User Name, Your Email, and Message, along with a submit button.

Form Fields:

- Date: 01/11/2021
- User Name: murugan
- Your Email: muruganzxy@gmail.com
- Message: hi there

Console output shows warnings from Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files (x86)\Java\jre1.8.0\_261\bin\javaw.exe (22-Mar-2021, 5:08:05 pm):

```
Mar 22, 2021 5:14:01 PM com.sun.faces.renderkit.html_basic.HtmlBasicRenderer getForComponent
WARNING: Unable to find component with ID username in view.
Mar 22, 2021 5:14:01 PM com.sun.faces.renderkit.html_basic.HtmlBasicRenderer getForComponent
WARNING: Unable to find component with ID email in view.
Mar 22, 2021 5:14:01 PM com.sun.faces.renderkit.html_basic.HtmlBasicRenderer getForComponent
WARNING: Unable to find component with ID message in view.
```

