

## READ ME

### **Project Summary**

The main intention of this project is learn the concepts like JTSL tag libraries, JSP pages, Servlet & ensure model, view, Controller(MVC) pattern. Using these concepts Java EE 6 web application was built which very much authenticates the user, ensure session, bean validation & also enables user to add & list comments.

All the fields are validation using JTSL tag. The Navigation tab is provided which enable user to navigate throughout his account.

### **Installation , Compile and Runtime Requirements**

- Microsoft Windows 7 Version 7.0.1 running on x32
- 2GB RAM
- 320 GB Hard Disk
- Intel Core to Duo Processor
- JDK 1.7.0
- Net Beans IDE 7.0.1
- Glass fish web server
- Java DB
- Browser Mozilla Firefox / Chrome

### **Database Scripts**

Below the Scripts using to create table & data:

```
CREATE SCHEMA LOGIN;
```

```
CREATE TABLE LOGIN.LISTUSER  
(  
    USER_ID VARCHAR(25) NOT NULL,  
    PASSWD VARCHAR(8) NOT NULL,  
    LNAME VARCHAR(10),  
    FNAME VARCHAR(10),  
    ADDR VARCHAR(50),
```

```

        Q1_DOB DATE,
        Q2_CITY VARCHAR(25),
        Q3_NAME VARCHAR(25),
        PRIMARY KEY (USER_ID)
    );

```

```

CREATE TABLE LOGIN.COMMENTS
(
    USER_ID VARCHAR(25) NOT NULL,
    NAME VARCHAR(10),
    COMMENT VARCHAR(50),
    COMMENT_DT DATE
);

```

```

INSERT INTO LOGIN.LISTUSER VALUES
('admin@gmail.com','admin123','admin','test','
chicago,IL','09/07/1987','iit','itm');
INSERT INTO LOGIN.LISTUSER VALUES
('test@gmail.com','test1234','test','test','chicago,IL','09/07/1988','iit','itm');
INSERT INTO LOGIN.LISTUSER VALUES
('shafi@gmail.com','abcd1234','ulla','shafi','chicago,IL','09/07/1989','Bangalo
re','kamala');

```

### **Insights & Expected results**

- JTSL core tags are used to validate forms & parameter.
- JTSL sql & customs tags are used to connect to database & also desired behavior is achieved using the customs tags.
- Servlet acts are the main controller in this web application
- JSP pages helps user to add main functionality, add scriplet there by making View of the MVC pattern
- JNDI service are used to ensure more secure connection with help of customized connection pool

**NOTE:** JNDI datasource name is jdbc/ITM515DS  
 This JNDI used CNXpool as the connection pool  
 This requires resource mapping in web.xml

## Screen Captures

Below are the various output of the screen shot of the various test cases:

The screenshot shows a web application interface for a 'NEW REGISTRATION' form. At the top, there is a navigation bar with five buttons: 'HOME', 'SIGN-IN', 'SIGN-OFF', 'COMMENT', and 'CONTACT'. The main heading is 'NEW REGISTRATION'. The form contains several input fields and labels:

- CHOOSE USERID:** The input field contains 'Akaksaks@gmail.com'. To its right, a red error message reads 'USER ALREADY EXISTS!'.
- CHOOSE PASSWORD:** The input field contains four dots '....'.
- RE-ENTER PASSWORD:** The input field contains four dots '....'. To its right, a red error message reads 'PASSWORD MISMATCH'.
- ADDRESS:** The input field is empty. Below it, the text '(OPTIONAL)' is displayed.
- 1. DATE OF BIRTH:** The input field contains '9/16/2012'.
- 2. BIRTH CITY:** The input field contains 'Chicago,IL'.
- 3. MAID'S NAME:** The input field contains 'Javi'.

At the bottom of the form, there is a 'Submit' button.

Screen : Showing the JSTL processed errored displayed in case of invalid form data during sign up

Existing user id is checked

**WELCOME TO JAVA EE 6 TECHNOLOGY COMMENTS**

LOGIN NAME

PASSWORD

>>SIGN UP    >>FORGOT PASSWORD?

**WRONG CREDENTIALS !!**

sing

check custom tag. (Graduate requirement)

Screen : Validating of wrong credentials.

**WELCOME TO JAVA EE 6 TECHNOLOGY COMMENTS**

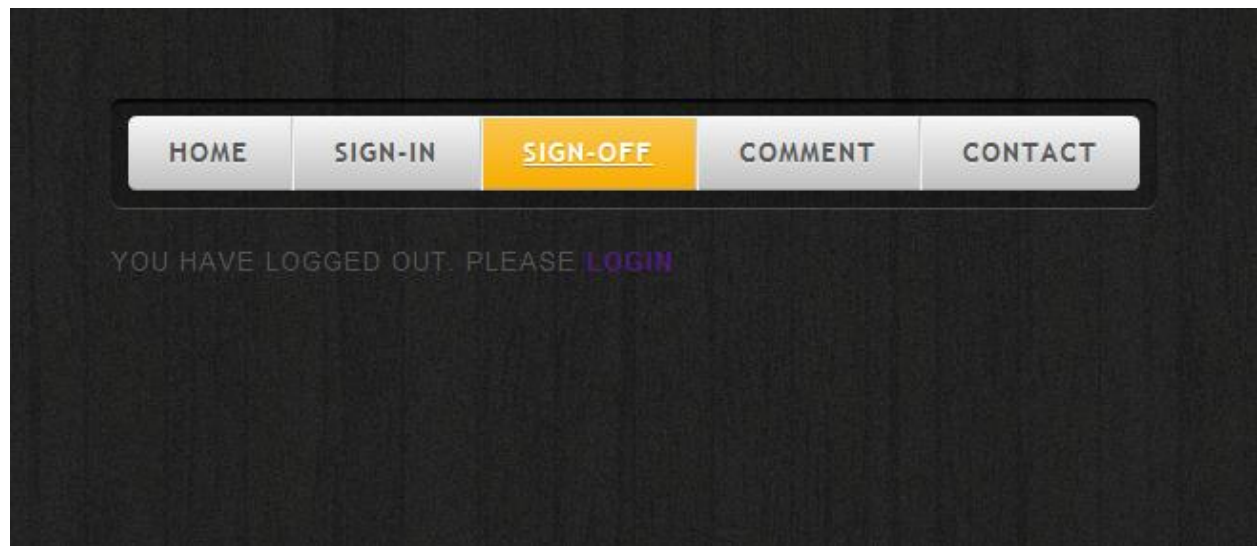
LOGIN NAME

PASSWORD

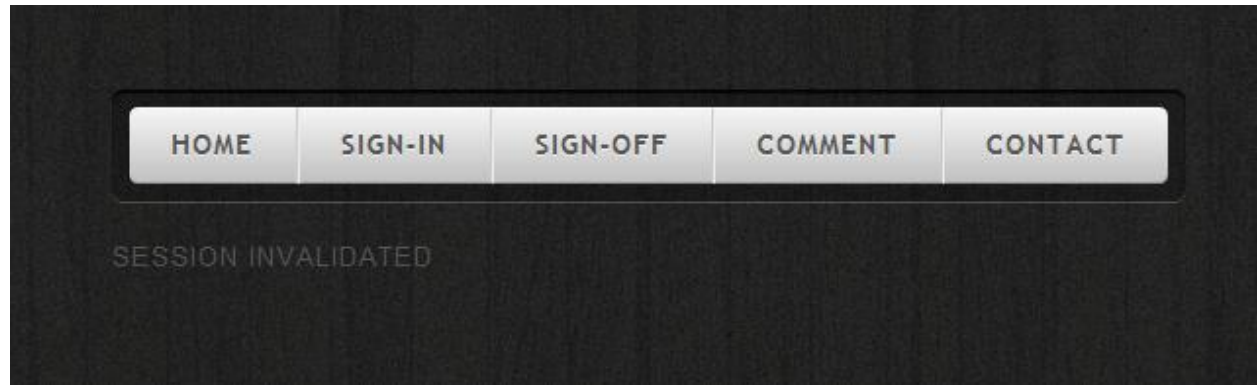
>>SIGN UP    >>FORGOT PASSWORD?

**INVALID PASSWORD !!**

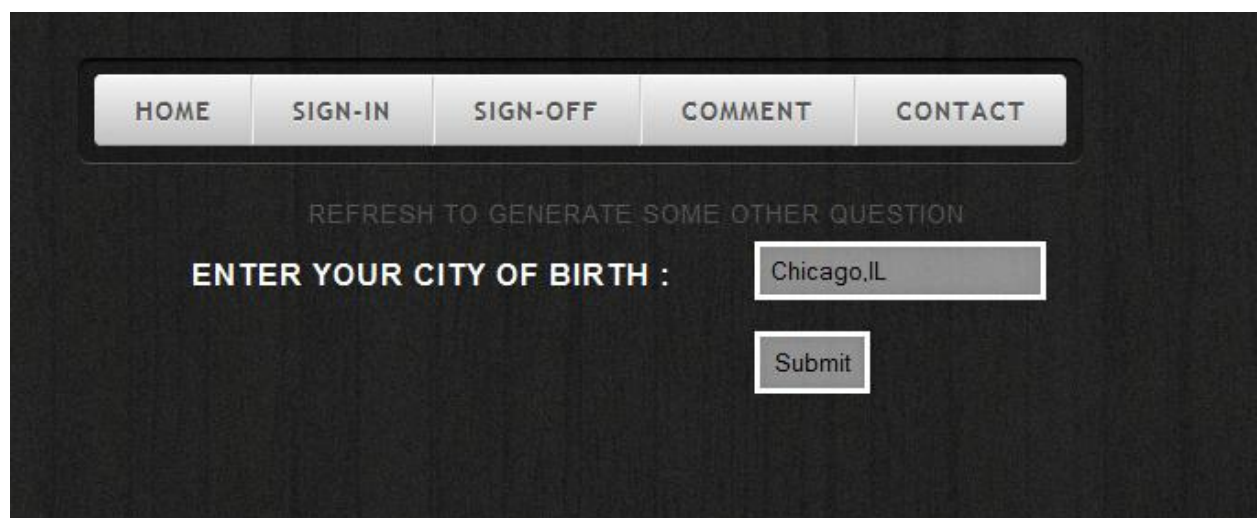
Screen : Invalid Password valid password



**Screen : On sign-off session is invalidated**



**Screen : Session is invalidated on navigating to the other page once signed-off**



**Screen : Landing up to password recovery page after entering password for the same user twice in log in page, Random question is generated in this page. (Graduate Requirement)**



HOME SIGN-IN SIGN-OFF COMMENT CONTACT

REFRESH TO GENERATE SOME OTHER QUESTION

ENTER YOUR MAID'S NAME : Javi

Submit

Screen : Another example of random question generation

HOME SIGN-IN SIGN-OFF COMMENT CONTACT

REFRESH TO GENERATE SOME OTHER QUESTION

YOUR PASSWORD IS :ABCD PLEASE SIGN-IN AGAIN

ENTER YOUR MAID'S NAME : Javi

Submit

Screen: Password is generated on correct answer of the question

HOME SIGN-IN SIGN-OFF COMMENT CONTACT

WELCOME BACK SHAFI@GMAIL.COM

LOGIN SUCCESSFUL !!

CLICK ON COMMENT IN ORDER TO ADD/VIEW

Screen: Welcome page on successful login

The screenshot shows a dark-themed web interface. At the top, there is a horizontal navigation bar with five buttons: HOME, SIGN-IN, SIGN-OFF, COMMENT, and CONTACT. Below this bar, the text "SHARE YOUR COMMENTS !" is displayed in large, bold, white capital letters. Underneath, it says "WELCOME BACK SHAFI@GMAIL.COM" in smaller white capital letters. This is followed by "LOGIN SUCCESSFUL !!" in large, bold, white capital letters. Below that, a prompt reads "CLICK ON COMMENT IN ORDER TO ADD/VIEW" in white capital letters. The main content area contains a form with a "Name" input field, a large text area for comments, and a "Submit" button at the bottom left.

HOME SIGN-IN SIGN-OFF COMMENT CONTACT

SHARE YOUR COMMENTS !

WELCOME BACK SHAFI@GMAIL.COM

LOGIN SUCCESSFUL !!

CLICK ON COMMENT IN ORDER TO ADD/VIEW

Name

Submit

Screen: when user wishes to add or view comment

The screenshot shows the same dark-themed web interface. The navigation bar now includes an additional button, "LIST COMMENT", next to "COMMENT". Below the navigation bar, the text "LISTING THE COMMENTS" is displayed in white capital letters. Underneath, there is a table with four columns: USER ID, NICK NAME, COMMENT, and DATE. The table contains one row of data.

HOME SIGN-IN SIGN-OFF COMMENT LIST COMMENT

LISTING THE COMMENTS

USER ID	NICK NAME	COMMENT	DATE
SHAFI@GMAIL.COM	SHAFI	HELLO, THIS IS MY WEBSITE.	2012-09-23

Screen: Listing comments

