MP1 TEST ITM 515
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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');
```

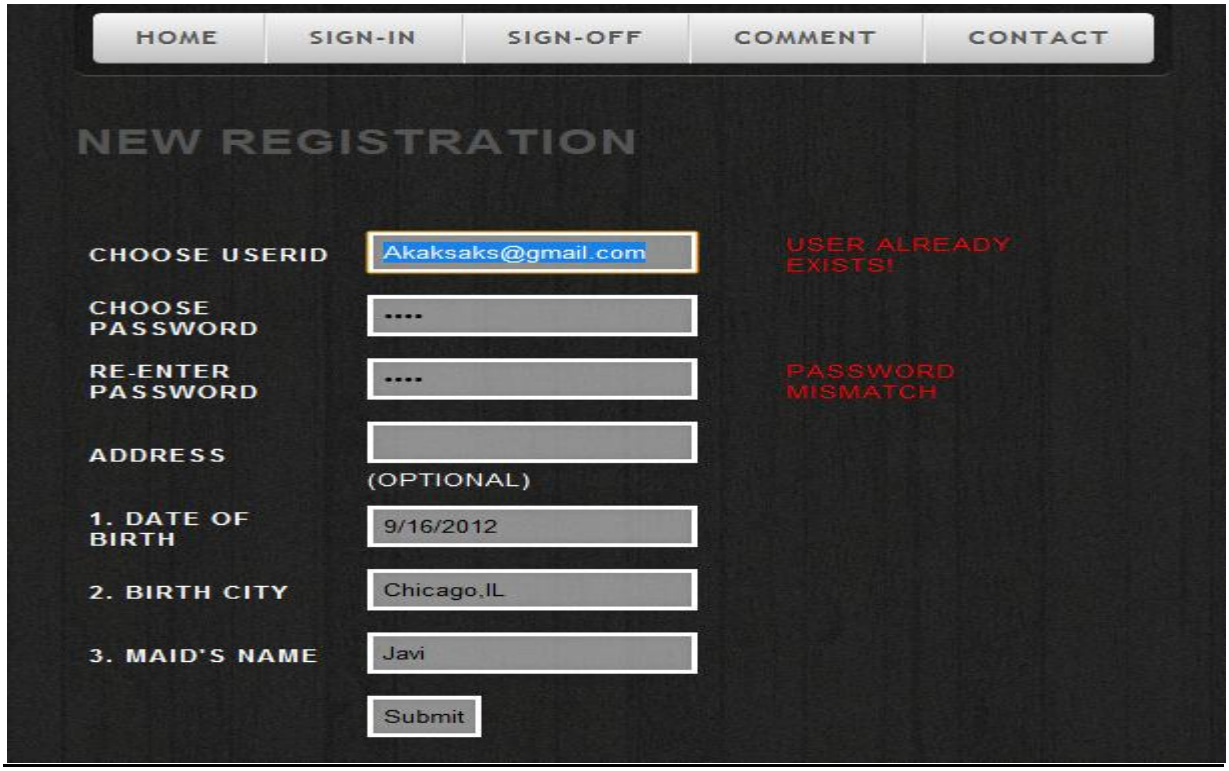
Insights & Expected results

- 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:



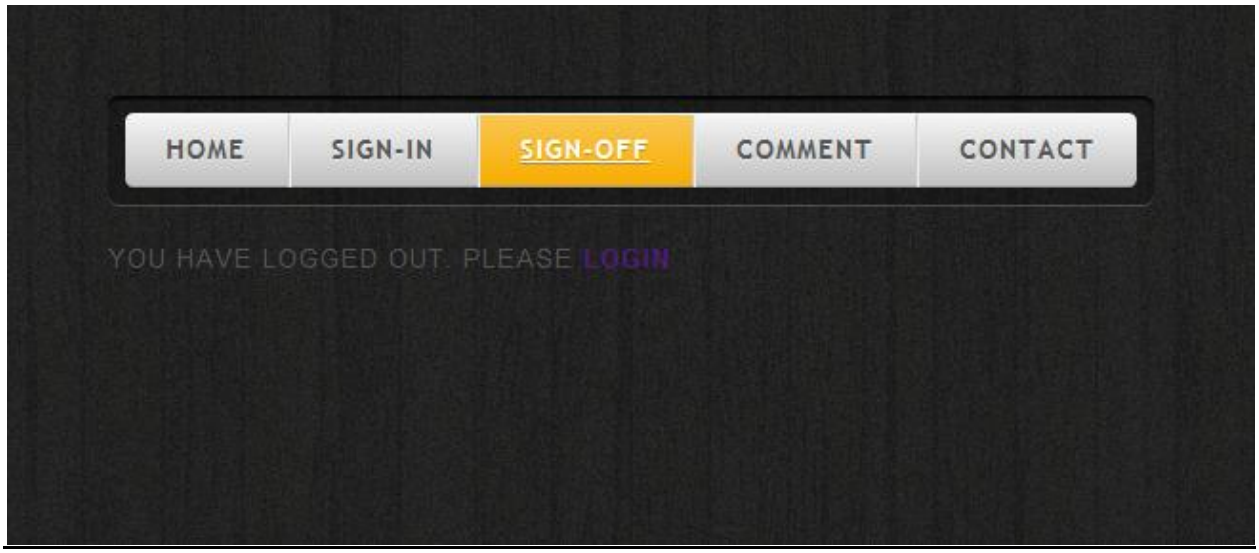
Screen : Showing the JSTL processed errored displayed in case of invalid form data during sign up

Existing user id is checked

sing check custom tag. (Graduate requirement)

Screen : Validating of wrong credentails.

Screen : Invalid Password valid password



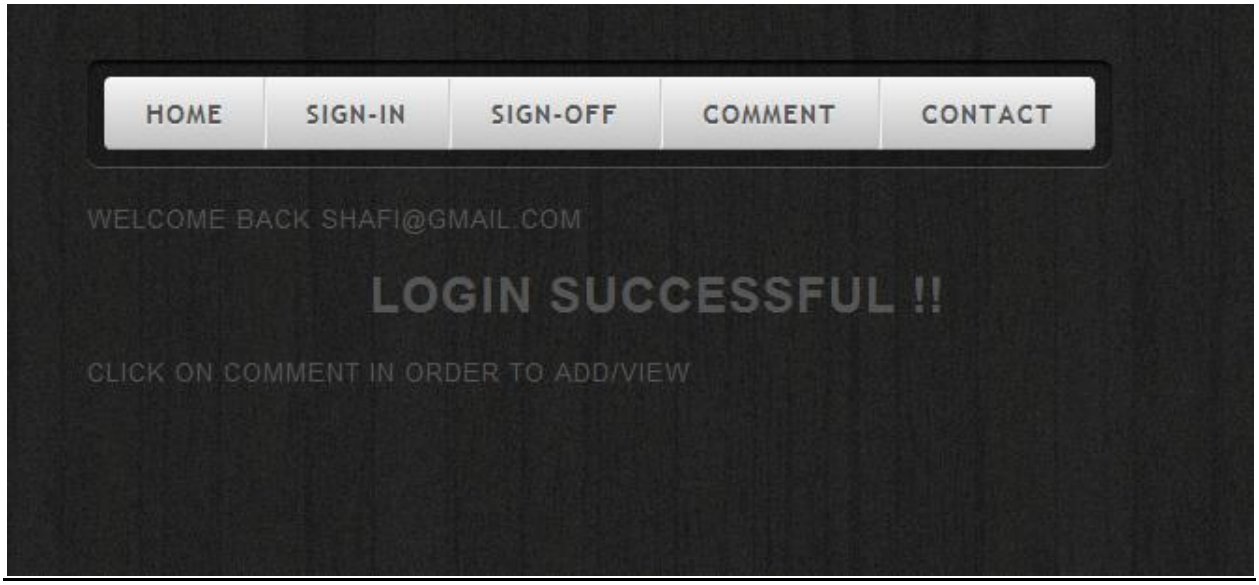
Screen : On sign-off session is invalidated

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)

Screen : Another example of random question generation

Screen: Password is generated on correct answer of the question



Screen: Welcome page on successful login

Screen: when user wishes to add or view comment

Screen: Listing comments