TABLE OF CONTENT

Ex No : 01

Date :

Image Mapping in HTML

Aim:

To create a web page which includes a map and display the related information when a hotspot is clicked in the map.

Algorithm:

- Start the process
- Create an html file with map tag.
- Set the source attribute of the img tag to the location of the image and also set the use map attribute.
- Specify an area with name, shape and href set to the appropriate values.
- Repeat step 3 as many hot spots you want to put in the map.
- Create html files for each and every hot spot the user will select.
- Stop the process

Program:

index.html

```
<!DOCTYPE html>
<html lang="en">
 <head>
  <title>Map with details</title>
 </head>
 <body>
  <div style="float: left">
   <img src="map.gif" alt="map" usemap="#indiamap" />
   <map name="indiamap">
    <area shape="rect" coords="240,777,315,780" href="tamilnadu.html"
     alt="TamilNadu"/>
```

```
      <area shape="rect" coords="271,657,321,680" href="andhra.html" alt="Andhra"/>
    </map>
  </div>
  <div>
    <p>Click on the location to know information about the State(s).</p>
  </div>
 </body>
</html>
```

tamilnadu.html

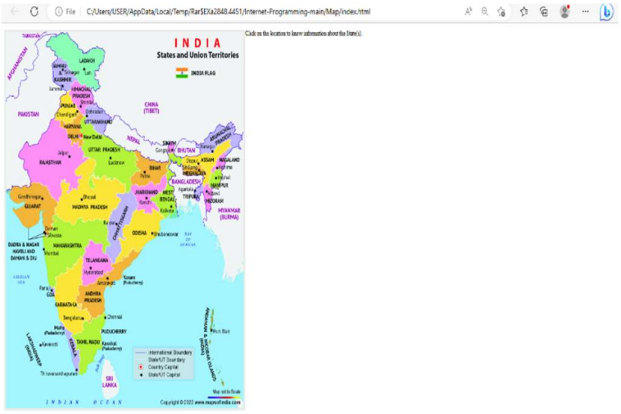
```
<!DOCTYPE html>
<html lang="en">
 <head>
  <title>Tamil Nadu</title>
 </head>
 <body>
  <h2>Tamil Nadu</h2>
  <hr />
  <p>Captial : Chennai</p>
  <p>Cheif Minister : M.K.Stalin</p>
  <p>Governer : R.N.Ravi</p>
 </body>
</html>
```

andhra.html

```
<!DOCTYPE html>
<html lang="en">
 <head>
  <title>Andhra Pradesh</title>
 </head>
 <body>
  <h2>Andhra Pradesh</h2>
```

```
    <hr />
    <p>Capital : Amaravati</p>
    <p>Cheif Minister : Y.S.Jagan Mohan Reddy</p>
    <p>Governer : Biswabhusan Harichandan</p>
  </body>
</html>
```

Output:



Result:

Thus the creation of a web page which includes a map and display the related in-formation when a hot spot is clicked in the map was executed successfully

Ex No : 02

Date :

Style Sheets

Aim:

To create a web page that displays college information using various style sheet

Algorithm:

- Start the process.
- Create a web page with frame sets consisting two frames
- In the first frame include the links
- In the second frame set display the web page of the link
- Create an external style sheets
- Create an embedded style sheets
- Create a inline and internal style sheets and make it link to the external style sheets
- Stop the process.

Program:

index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
   <title>College Information</title>
   <link rel="stylesheet" href="style.css">
   <style>
      a{
         text-decoration: none;
         color: inherit;
      }
      #home,#about{
         text-align: justify;
         padding: 20px;
```

```
        margin: 20px;
    }
  </style>
</head>
<body>
  <h1 style="text-align: center;">University College of Engineering BIT Campus</h1>
  <div class="header">
    <ul>
      <li> <a href="#home"> Home</a> </li>
      <li><a href="#about"> About</a></li>
    </ul>
  </div>
  <h5 style="text-align: center;"">Home</h5>
  <div id="home">
    <p>University College of Engineering (BIT Campus), Anna University
Tiruchirappalli otherwise Anna University Chennai –
    Regional Office, Tiruchirappalli (AUC-ROT), erstwhile Anna University of
Technology, Tiruchirappalli, is a technical
    university department of Anna University, It is located on Tiruchirappalli–
Pudukkottai National Highway 336, Tamil Nadu,
    India. It was established on 1999 as a part of Bharathidasan University with five
departments viz., Bio-Technology,
    Petrochemical Technology, Information Technology and Pharmaceutical Technology.
    </p>
  </div>
    <h5 style="text-align: center;"">About</h5>
  <div id="about">
    <p>University College of Engineering (BIT Campus), Anna University
Tiruchirappalli otherwise Anna University Chennai –
```

Regional Office, Tiruchirappalli (AUC-ROT), erstwhile Anna University of Technology, Tiruchirappalli, is a technical

university department of Anna University, It is located on Tiruchirappalli–Pudukkottai National Highway 336, Tamil Nadu,

India. It was established on 1999 as a part of Bharathidasan University with five departments viz., Bio-Technology,

Petrochemical Technology, Information Technology and Pharmaceutical Technology.</p>

</body>

</html>

style.css

```
body{
    margin: 0px;
    padding: 0px;
}

ul{
    list-style: none;
    color: rgba(35, 160, 154);
    display: flex;
    margin: 20px;
    text-align: center;
    justify-content: center;
}
li{
    padding: 20px;
}
```

Output:

Result:

Thus the creation of a web page that displays college information using various style sheet was successfully executed and verified.

Ex No : 03

Date :

Validation Using JavaScript

Aim:

To Validate the Registration, user login, user profile and payment by credit card pages using JavaScript.

Algorithm:

- Start the process
- Create a HTML form with two input field and one submit button
- Each input box in webpage is validated using java script code using <script> tag in html file
- Designed output is displayed.
- Stop the process.

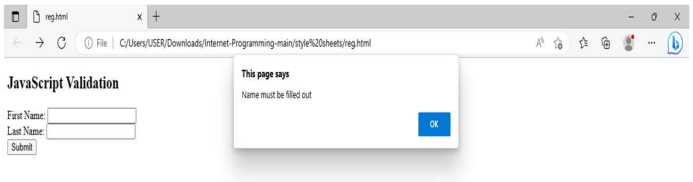
Program:

index.html

```
<!DOCTYPE html>
<html>
<head>
  <script>
    function validateForm() {
      let x = document.forms["myForm"]["fname"].value;
      let y = document.forms["myForm"]["lname"].value;
      if (x == ""||y == "") {
        alert("Name must be filled out");
        return false;
      }
    }
  </script>
</head>
```

```
<body>
   <h2>JavaScript Validation</h2>
   <form name="myForm" onsubmit="return validateForm()" method="post">
      First Name: <input type="text" name="fname"> <br>
      Last Name: <input type="text" name="lname"><br>
      <input type="submit" value="Submit">
   </form>
</body>
</html>
```

Output:



Result:

Thus the web page for online book store is created and its webpages are validated using JavaScript

Ex No : 04a

Date :

Invoke servlets from HTML forms

Aim:

To write a java program to invoke servlets from HTML form

Algorithm:

- Start the process.
- Create a web page using HTML form that contains the fields such as text, password and one submit button.
- Set the URL of the server as the value of form's action attribute.
- Run the HTML program.
- Submit the form data to the server**.**
- Define the class server that extends the property of the class HttpServlet
- Handle the request from the client by using the method service() of HttpServlet class.
- Get the parameter names from the HTML form by using the method getParameterNames().
- Get the parameter values from the HTML forms by using the method getParameter().
- Send the response to the client by using the method of PrintWriter class.
- Stop the process.

Program:

MySrc.java

```
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class MySrv extends HttpServlet {
public void doPost(HttpServletRequest request, HttpServletResponse response)
```

```
 throws ServletException, IOException {
 response.setContentType("text/html");
 PrintWriter out = response.getWriter();
 out.println("<!DOCTYPE HTML PUBLIC \"-//W3C//DTD HTML 4.01
Transitional//EN\">");
 out.println("<HTML>");
 out.println(" <HEAD><TITLE>A Servlet</TITLE></HEAD>");
 out.println(" <BODY>");
//Getting HTML parameters from Servlet
String username=request.getParameter("uname");
String password=request.getParameter("pwd");
if((username.equals("user")) && (password.equals("pswd")))
 {
out.println(" <h1> Welcome to "+username);
 }
else
 {
19
out.println(" <h1> Registration success ");
out.println(" <a href='./index.html'> Click for Home page </a>");
 }
 out.println(" </BODY>");
 out.println("</HTML>");
 out.close();
}
public void doGet(HttpServletRequest request, HttpServletResponse response)
 throws ServletException, IOException {
doPost( request,response);
}
}
```

Register.html

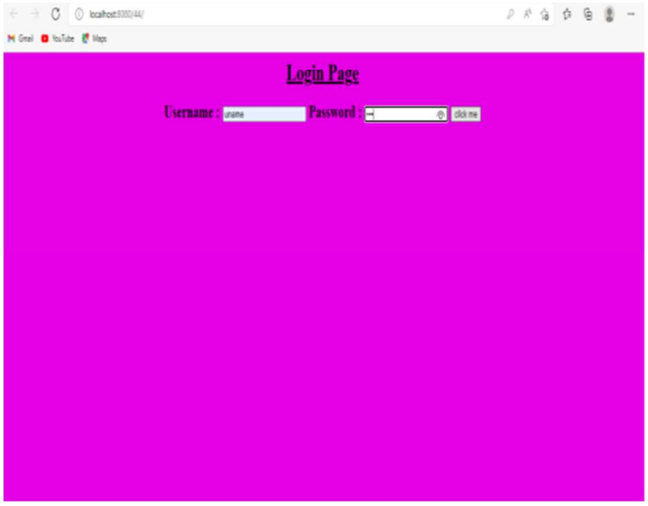
```
<!DOCTYPE html>
<html>
<head>
<title> New Document </title>
</head>
<body bgcolor='#e600e6'>
<form action='./MySrv' method="post">
<center> <h1> <u> Login Page </u></h1>
Username : <input type="text" name="uname"/>
 Password : <input type="password" name="pwd"/>
 <input type="submit" value="click me"/>
</center>
</form>
</body>
</html>
```

web.xml

```
<web-app>
 <servlet>
 <servlet-name>MySrv</servlet-name>
 <servlet-class>MySrv</servlet-class>
 </servlet>
 <servlet-mapping>
 <servlet-name>MySrv</servlet-name>
 <url-pattern>/MySrv</url-pattern>
 </servlet-mapping>
<welcome-file-list>
 <welcome-file>index.html</welcome-file>
 </welcome-file-list>
```

</web-app>

Output:



Result:

Thus the java program to invoke servlets from HTML form has been executed successfully.

Ex No : 04b

Date :

Session tracking using hidden forms fields

Aim:

To write a Java Program for Session Tracking Using Hidden Form Fields.

Algorithm:

- Start the process
- Create a web page using HTML form that contains the fields such as text, password and one submit button.
- Set the URL of the server as the value of form's action attribute.
- Ask if the user wants to add more items or check out.
- Include the current items as hidden fields so they'll be passed on and submit to self
- Stop the process

Program:

register.html

```
<html>
<body bgcolor = "cyan">
<center>
<h1>WELCOME TO REGISTRATION PAGE</h1>
<form action="./registerone" METHOD="post">
Name: <input type="text" name = "name"><br><br>
Password: <input type="password" name="password"><br><br>
PROFESSION:
<select name="profession">
<option value="engineer">ENGINEER</option>
<option value="teacher">TEACHER</option>
<option value="businessman">BUSINESSMAN</option>
</select><br><br>
<input type="submit" value="REGISTER">
```

```
</form>
</center>
</body>
</html>
```

web.xml

```
<web-app>
<welcome-file-list>
<welcome-file>register.html</welcome-file>
</welcome-file-list>
<servlet>
<servlet-name>RegistrationServletOne</servlet-name>
<servlet-class>RegistrationServletOne</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>RegistrationServletOne</servlet-name>
<url-pattern>/registerone</url-pattern>
</servlet-mapping>
<servlet>
<servlet-name>RegistrationServletTwo</servlet-name>
<servlet-class>RegistrationServletTwo</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>RegistrationServletTwo</servlet-name>
<url-pattern>/registertwo</url-pattern>
</servlet-mapping>
</web-app>
```

RegisterServletOne.java

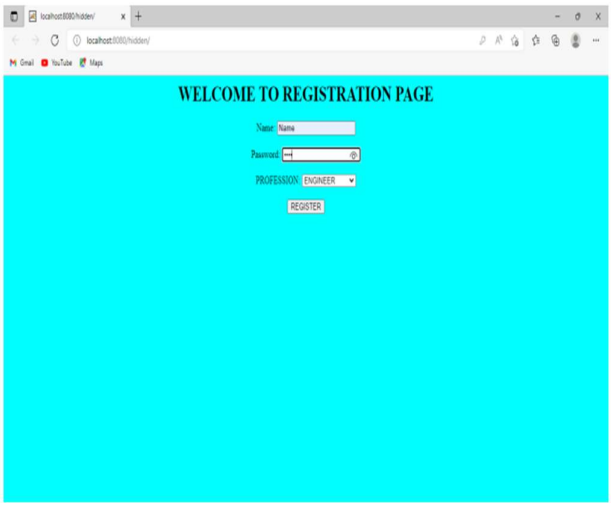
```
import java.io.IOException;
import java.io.PrintWriter;
```

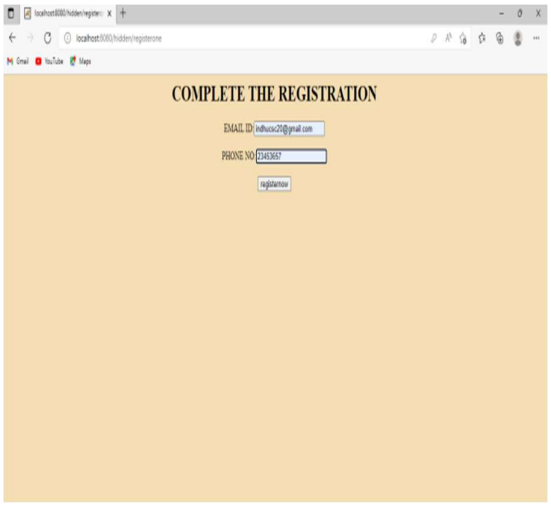
```
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class RegistrationServletOne extends HttpServlet
{
public void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException
{
String name = request.getParameter("name");
String password = request.getParameter("password");
String profession = request.getParameter("profession");
response.setContentType("text/html");
PrintWriter out = response.getWriter();
out.println("<html><body bgcolor = wheat>");
out.println("<center>");
out.println("<h1>COMPLETE THE REGISTRATION</h1>");
out.println("<form action = ./registertwo method = post");
out.println("<input type = hidden name = name value =" + name + ">");
out.println("<input type = hidden name = password value =" + password + ">");
out.println("<input type = hidden name = profession value =" + profession + ">");
out.println("EMAIL ID:<input type =text name = email><br><br>");
out.println("PHONE NO:<input type =text name = cell><br><br>");
out.println("<input type =submit value=registernow>");
out.println("</center>");
out.println("</body></html>");
out.close();
}
}
```

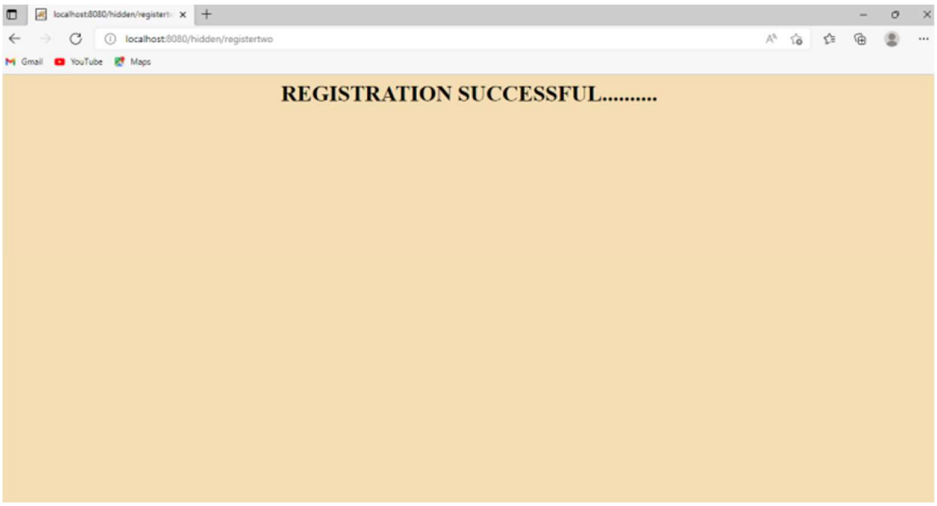
RegisterServletTwo.java

```
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class RegistrationServletTwo extends HttpServlet
{
public void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException
{
String name = request.getParameter("name");
String password = request.getParameter("password");
String profession = request.getParameter("profession");
String email = request.getParameter("email");
String cell = request.getParameter("cell");
response.setContentType("text/html");
PrintWriter out = response.getWriter();
out.println("<html><body bgcolor = wheat>");
out.println("<center>");
out.println("<h1>REGISTRATION SUCCESSFUL.....</h1>");
out.println("</center>");
out.println("</body></html>");
out.close();
}
```

Output:







Result:

Thus the Java program for Session Tracking using hidden form fields has been executed successfully

Ex No : 04c

Date :

Session tracking for a hit count

Aim:

To write a Java Program for Session tracking a hit count. This servlet uses session tracking to count the number of times a client has accessed it.

Algorithm:

- Start the process
- Get the current session object, create one if necessary
- Increment the hit count for this page. The value is saved in this client's session under the name "tracker.count".
- Display the hit count for this page
- Stop the process.

Program:

PageHitCounter.java

```
import java.io.*;
import java.sql.Date;
import java.util.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class PageHitCounter extends HttpServlet {
 private int hitCount;
 public void init() {
 // Reset hit counter.
 hitCount = 0;
 }
 public void doGet(HttpServletRequest request, HttpServletResponse response)
 throws ServletException, IOException {
 // Set response content type
```

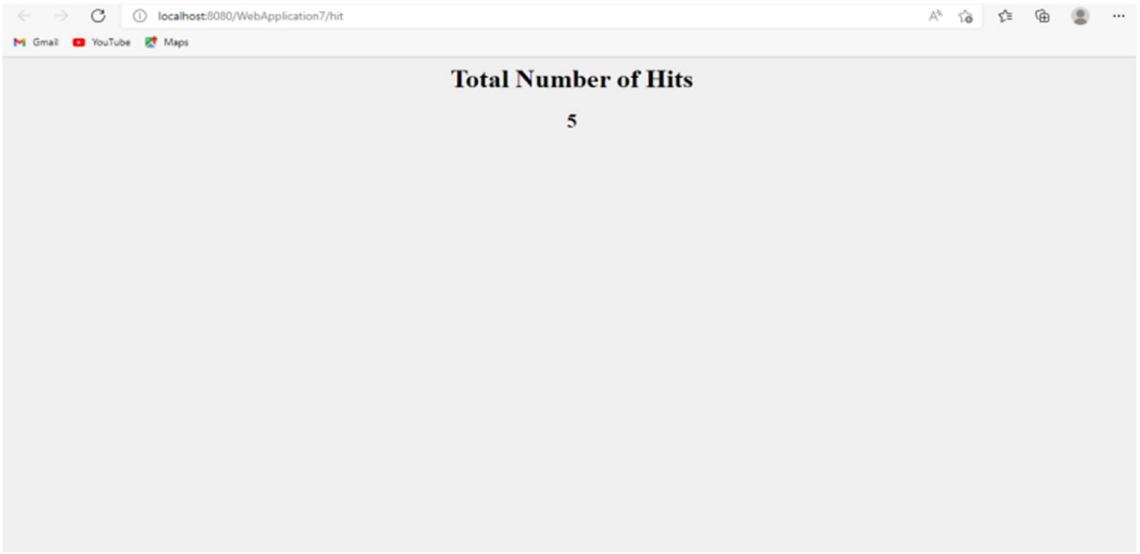
```
response.setContentType("text/html");
// This method executes whenever the servlet is hit
// increment hitCount
hitCount++;
PrintWriter out = response.getWriter();
String title = "Total Number of Hits";
String docType = "<!doctype html public \"-//w3c//dtd html 4.0 " + "transitional//en\">\n";

out.println(docType +
"<html>\n" +
"<head><title>" + title + "</title></head>\n" +
"<body bgcolor = \"#f0f0f0\">\n" +
"<h1 align = \"center\">" + title + "</h1>\n" +
"<h2 align = \"center\">" + hitCount + "</h2>\n" +
"</body>
</html>"
26
);
}

public void destroy() {
// This is optional step but if you like you
// can write hitCount value in your database.
}
}
```

web.xml

```
<servlet>
<servlet-name>PageHitCounter</servlet-name>
<servlet-class>PageHitCounter</servlet-class>
```

```
</servlet>
<servlet-mapping>
 <servlet-name>PageHitCounter</servlet-name>
 <url-pattern>/PageHitCounter</url-pattern>
</servlet-mapping>
</servlet>
```

Output:



Result:

Thus the Java program for session tracking a hit count has been executed successfully.

Ex No : 05

Date :

Online examination using servlet

Aim:

To write java servlet programs to conduct online examination and to display student mark list available in a database.

Algorithm:

Client:

- Start the process.
- In index.html on the client side declare the contents that you like to transfer to the server using html form and input type tags.
- Create a submit button and close all the included tags.

Server:

- Import all necessary packages
- Define a class that extends servlet
- In the doPost() method, do the following:
- Set the content type of the response to "text/html"
- Create a writer to the response
- Get a parameter from the request
- If its value is equal to right answer then add 5 to mark variable
- Similarly repeat step for all parameters
- Display the result in an html format using the writer

Database:

- Import necessary to java packages and javax packages and classes
- Create a class that extends HttpServlet and implements ServletException and IOException
- In the doGet() method, do the following:
- Create a PrintWriter object
- Open a connection with the data source name

- Write a sql query and execute to get the resultset
- Display the resultset information in html form.
- Stop the process.

Program:

Servlet Code:

```
import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class StudentServlet3 extends HttpServlet
{
String message,Seat_no,Name,ans1,ans2,ans3,ans4,ans5; int Total=0;
Connection connect; Statement stmt=null; ResultSet rs=null;
public void doPost(HttpServletRequest request,HttpServletResponse response) throws
ServletException,IOException
{
try
{
String url="jdbc:odbc:NEO"; Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
connect=DriverManager.getConnection(url," "," "); message="Thank you for participating
in online
Exam";
}
catch(ClassNotFoundException cnfex){ cnfex.printStackTrace();
}
catch(SQLException sqlex){ sqlex.printStackTrace();
}
catch(Exception excp){ excp.printStackTrace();
}
Seat_no=request.getParameter("Seat_no"); Name=request.getParameter("Name");
```

```
ans1=request.getParameter("group1"); ans2=request.getParameter("group2");
ans3=request.getParameter("group3"); ans4=request.getParameter("group4");
ans5=request.getParameter("group5"); if(ans1.equals("True"))
Total+=2;
if(ans2.equals("False"))
Total+=2;
if(ans3.equals("True"))
Total+=2;
if(ans4.equals("False"))
Total+=2;
if(ans5.equals("False"))
Total+=2; try
{
Statement stmt=connect.createStatement();
String query="INSERT INTO student("+"Seat_no,Name,Total"+")
VALUES('"+Seat_no+"','"+Name+"','"+Total+"')";
int result=stmt.executeUpdate(query); stmt.close();
}catch(SQLException ex){
}
response.setContentType("text/html"); PrintWriter out=response.getWriter();
out.println("<html>");
out.println("<head>"); out.println("</head>"); out.println("<body bgcolor=cyan>");
out.println("<center>"); out.println("<h1>"+message+"</h1>\n");
out.println("<h3>Yours results stored in our database</h3>"); out.print("<br><br>");
out.println("<b>"+"Participants and their Marks"+"</b>"); out.println("<table
border=5>");
try
{
Statement stmt=connect.createStatement(); String query="SELECT * FROM student";

rs=stmt.executeQuery(query); out.println("<th>"+"Seat_no"+"</th>");
```

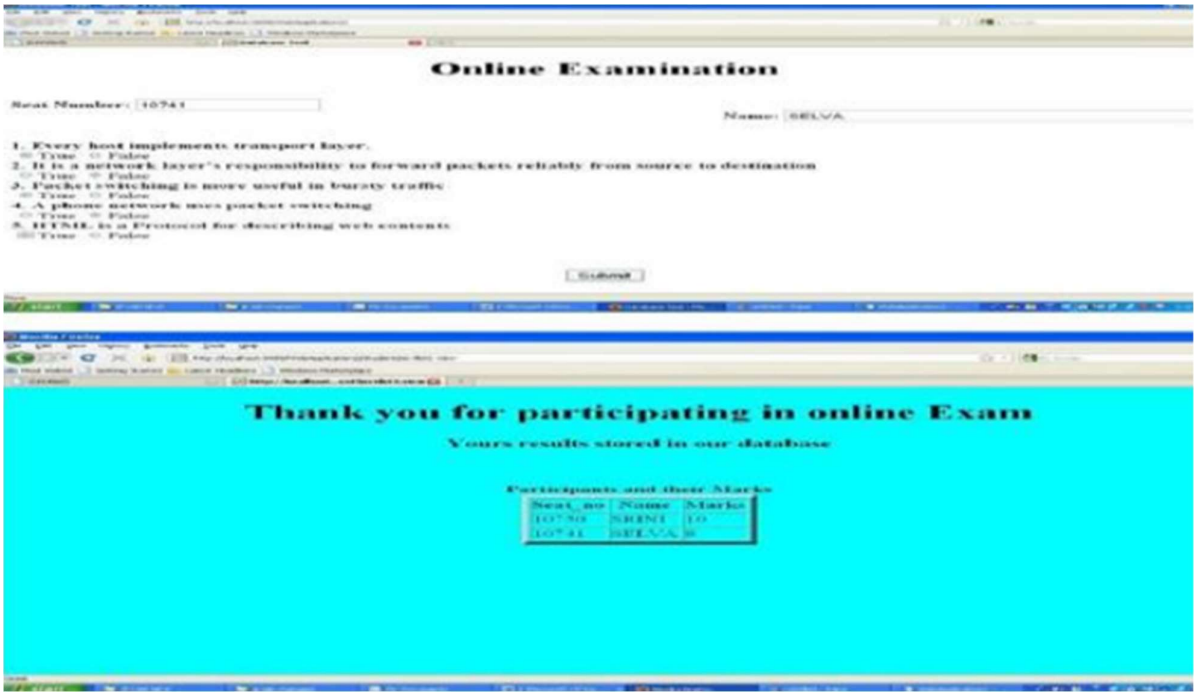
```
out.println("<th>"+"Name"+"</th>"); out.println("<th>"+"Marks"+"</th>");
while(rs.next())
{
out.println("<tr>");
out.print("<td>"+rs.getInt(1)+"</td>");
out.print("<td>"+rs.getString(2)+"</td>");
out.print("<td>"+rs.getString(3)+"</td>");
out.println("</tr>");
}
out.println("</table>");
}
catch(SQLException ex){ } finally
{
try
{
if(rs!=null)
rs.close();
if(stmt!=null)
stmt.close();
if(connect!=null)
29
connect.close();
}
catch(SQLException e){ }
}
out.println("</center>");
out.println("</body></html>");
Total=0;
} }
```

HTML Code:

```
<html>
<head><title>Database Test</title></head>
<body>
<center><h1>Online Examination</h1> </center>
<form action="StudentServlet3.view" method="POST"> <div align="left"><br></div>
<b>Seat Number:</b> <input type="text" name="Seat_no"> <div align="Right">
<b>Name:</b> <input type="text" name="Name" size="50"><br> </div>
<br><br>
<b>1. Every host implements transport layer.</b><br/> <input type="radio"
name="group1"
value="True">True <input type="radio" name="group1" value="False">False<br>
<b>2. It is a network layer's responsibility to forward packets reliably from source to
destination</b><br/>
<input type="radio" name="group2" value="True">True
<input type="radio" name="group2" value="False">False<br>
<b>3. Packet switching is more useful in bursty traffic</b><br/> <input type="radio"
name="group3"
value="True">True<input type="radio" name="group3" value="False">False<br> <b>4.
A phone
network uses packet switching</b><br/> <input type="radio" name="group4"
value="True">True
<input type="radio" name="group4" value="False">False<br>
<b>5. HTML is a Protocol for describing web contents</b><br/> <input type="radio"
name="group5"
value="True">True
<input type="radio" name="group5" value="False">False<br> <br><br><br>
<center>
<input type="submit" value="Submit"><br><br> </center>
</form>
</body>
```

</html>

Output:



Result:

Thus to write java servlet programs to conduct online examination and to display student mark list available in a database was successfully executed and verified.

Ex No : 06

Date :

Conversion of static webpages to dynamic using servlets

Aim:

To convert the static web pages into dynamic web pages using servlets (or JSP) and cookies.

Algorithm:

- Start the process.
- We will create an html form for entering the user name, password and card ID.
- From the above HTML form, the servlet program is invoked in which the validity of the user name, password and card id is checked. If it is a valid user then the welcome message will be displayed otherwise the "invalid user" message will be displayed. In this servlet we set the cookies in which the current user name is stored.
- Compile the above servlet Login servlet.java and copy its class file in tomcat folder at c:\tomcatdirectory\webapps\examples\WEB-INF\classes.
- Then edit the web.xml in WEB-INF folder. We must store he user information such as user name, password and card id in the web.xml using init - param.
- On successful login, the information from the cookie is checked and shopping cart page for corresponding user can be displayed.
- Compile the above servlet LoginSuccess.java and copy its class file in the tomcat's folder at c:\tomcatdirectory\webapps\examples\WEB-INF\classes.
- Then edit the web.xml in WEB-INF folder.
- Start tomcat web server.Open the web browser and display the login form created in step1.
- Stop the process.

Program:

LoginForm.html

```
<!DOCTYPE html>
<html>
```

```
<head>
<body>
<form action="http://localhost:8080/shopping/LoginServlet" method="post">
Enter username:
<input type="text" value="" name="User"><br><br>
enter password:
<input type="password" value="" name="password"><br><br>
enter card ID:
<input type="text" value="" name="CardID"><br><br>
<input type="submit" value="login">
</form>
</body>
</html>
```

LoginServlet.java

```
package shopping;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class LoginServlet extends HttpServlet
{
protected void doPost(HttpServletRequest req, HttpServletResponse res) throws
 ServletException,IOException
31
{
res.setContentType("text/html");
PrintWriter out=res.getWriter();
String usr=req.getParameter("User");
String pwd=req.getParameter("password");
String card=req.getParameter("CardID");
```

```
boolean flag=true;
String[] userID=getInitParameter("usernames").split(",");
String[] password=getInitParameter("passwords").split(",");
String[] cardids=getInitParameter("cardIDs").split(",");
int i;
for(i=0;i<userID.length;i++)
{
if(userID[i].equals(usr) && password[i].equals(pwd)&&cardids[i].equals(card))
{
flag=false;
Cookie cookie1=new Cookie("CurrentUser",usr);
Cookie cookie2=new Cookie("CreditCard",card);
res.addCookie(cookie1);
res.addCookie(cookie2);
out.println("<h2>Welcome "+usr+"</h2><hr>");
out.println("<h2>Select the book you would like to purchase<h2><hr>");
out.println("<form action='LoginSuccess'>");
out.println("<input type=radio name='book' checked value='Let us C'/>Let us C<br>");
out.println("<input type=radio name='book' value='Exploring Python'/>Exploring
Python<br>");
out.println("<input type=radio name='book' value='Mastering C'/>Mastering C<br>");
out.println("<input type=submit value='purchase'><hr>");
}
}
if(flag==true)
{
out.println("<h4>Invalid user name or password or card number,please try again by
clicking following link</h4>");
out.println("<a href='LoginForm.html'>"+"LoginForm.html");
}
```

```
}
```

LoginSuccess.java

```
package shopping;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class LoginSuccess extends HttpServlet
{
protected void doGet(HttpServletRequest req,HttpServletResponse res) throws
ServletException,IOException
{
Cookie[] mycookie=req.getCookies();
res.setContentType("text/html");
PrintWriter out=res.getWriter();
String book=req.getParameter("book");
out.print("<h2>welcome "+mycookie[0].getValue()+"</h2><hr>");
out.print("<h3>Thank you for purchasing book:"+book+"</h3><hr>");
out.print("<h3>Rs.250 debited from credit card: "+mycookie[1].getValue());
out.close();
}
}
```

web.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app version="3.1" xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/webapp_3_1.xsd">
<servlet>
```

```
<init-param>
<param-name>usernames</param-name>
<param-value> indhu,abc,xyz</param-value>
</init-param>
<init-param>
<param-name>passwords</param-name>
<param-value>indhu,abc,xyz</param-value>
</init-param>
<init-param>
<param-name>cardIDs</param-name>
<param-value>111111,222222,333333</param-value>
</init-param>
<servlet-name>LoginServlet</servlet-name>
<servlet-class>shopping.LoginServlet</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>LoginServlet</servlet-name>
<url-pattern>/LoginServlet</url-pattern>
</servlet-mapping>
<servlet>
<servlet-name>LoginSuccess</servlet-name>
<servlet-class>shopping.LoginSuccess</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>LoginSuccess</servlet-name>
<url-pattern>/LoginSuccess</url-pattern>
</servlet-mapping>
</web-app>
```

Output:

Result:

Thus the conversion of the static web pages into dynamic web pages using servlets cookies has been executed successfully.

Ex No : 07

Date :

Conversion of static webpages to dynamic using JSP

Aim:

To convert the static web pages into dynamic web pages using JSP. Create a database with user information and books information. The books catalogue should be dynamically loaded from the database.

Algorithm:

- Start the process
- Create your own directory under tomcat/webapps (e.g. tr1).
- Copy the html files in tr1.
- Copy the jsp files also into tr1.
- Start tomcat give the following command.
- Catalina.bat run
- At install-dir/bin
- At I.E give url as http://localhost:8081/tr1/main.html.
- Stop the process.

Program:

Main.html

```
<html>
<body bgcolor=”pink”>
<br><br><br><br><br><br>
<h1 align=”center”>>U>ONLINE BOOK STORAGE</u></h1><br><br><br>
<h2 align=”center”><PRE>
<b> Welcome to online book storage.
Press LOGIN if you are having id
Otherwise press REGISTRATION
</b></PRE></h2>
<br><br><pre>
```

```
<div align=”center”><a href=”/tr/login.html”>LOGIN</a>
href=”/tr/login.html”>REGISTRATION</a></div></pre>
</body>
</html>
```

Login.html

```
<html>
<body bgcolor=”pink”><br><br><br>
<form name="myform" method="post" action=/tr1/login.jsp">
<div align="center"><pre>
LOGIN ID : <input type="passwors" name="pwd"></pre><br><br>
PASSWORD : <input type="password" name="pwd"></pre><br><br>
</div>
<br><br>
<div align="center">
<inputtype="submit"value="ok"
onClick="validate()">     <input
type="reset"
value="clear">
</form>
</body>
</html>
```

Reg.html

```
<html>
<body bgcolor="pink"><br><br>
<form name="myform" method="post" action="/tr1/reg.jsp">
<div align="center"><pre>
NAME :<input type="text" name="name"><br>
ADDRESS :<input type="text" name="addr"><br>
```

```
CONTACT NUMBER : <input type="text" name="phno"><br>
LOGIN ID : <input type="text" name="id"><br>
PASSWORD : <input type="password" name="pwd"></pre><br><br>
</div>
<br><br>
<div align="center">
<inputtype="submit"value="ok"
onClick="validate()">()">     <input type="reset"
value="clear">
</form>
</body>
</html>
```

Profile.html

```
<html>
<body bgcolor="pink"><br><br>
<form name="myform" method="post" action="/tr1/profile.jsp">
<div align="center"><pre>
LOGIN ID : <input type="text" name="id"><br>
</pre><br><br>
</div>
<br><br>
<div align="center">
<inputtype="submit"value="ok"
onClick="validate()">()">     <input type="reset"
value="clear">
</form>
</body>
</html>
```

Catalog.html

```
<html>
<body bgcolor="pink"><br><br><br>
<form method="post" action="/tr1/catalog.jsp">
<div align="center"><pre>
BOOK TITLE : <input type="text" name="title"><br>
</pre><br><br>
</div>
<br><br>
<div align="center">
<inputtype="submit"value="ok"
name=”button1”>     <inputtype="reset"value="clear"
name=”button2”>
</form>
</body>
</html>
```

Order.html

```
<html>
<body bgcolor="pink"><br><br><br>
<form method="post" action="/tr1/order.jsp">
<div align="center"><pre>
LOGIN ID :<input type="text" name="id"><br>
PASSWORD : <input type="password" name="pwd"><br>
TITLE :<input type="text" name="title"><br>
NO. OF BOOKS : <input type="text" name="no"><br>
DATE : <input type="text" name="date"><br>
CREDIT CARD NUMBER : <input type="password" name="cno"><br></pre><br><br>
</div>
<br><br>
```

```
<div align="center">
<input  type="submit" value="ok"
name=”button1”>     <input
type="reset"
value="clear" name=”button2”>
</form>
</body>
</html>
```

Login.jsp:

```
%@page import=”java.sql.*”%
%@page import=”java.io.*”%
<%
out.println(“<html><body bgcolor=\”pink\”>”);
String id=request.getParameter(“id”);
String pwd=request.getParameter(“pwd”);
Driver d=new oracle.jdbc.driver.OracleDriver();
DriverManager.registerDriver(d);
Connection
con=DriverManager.getConnection(“jdbc:oracle:thin:@localhost:1521:orcl”,”scott”,”tiger
”);
Statement stmt=con.createStatement();
String sqlstmt=”select id,password from login where id=”+id+” and password=”+pwd+””;
ResultSet rs=stmt.executeQuery(sqlstmt);
int flag=0;
while(rs.next())
{
flag=1;
}
if(flag==0)
```

```
{
out.println("SORRY INVALID ID TRY AGAIN ID<br><br>");
out.println(" <a href=\"/tr1/login.html\">press LOGIN to RETRY</a>");
}
else
{
out.println("VALID LOGIN ID<br><br>");
out.println("<h3><ul>");
out.println("<li><ahref=\"profile.html\"><fontcolor=\"black\">USER
PROFILE</font></a></li><br><br>");
out.println("<li><ahref=\"catalog.html\"><fontcolor=\"black\">BOOKS
CATALOG</font></a></li><br><br>");
out.println("<li><ahref=\"order.html\"><fontcolor=\"black\">ORDER
CONFIRMATION</font></a></li><br><br>");
out.println("</ul>");
}
out.println("<body></html>");
%>
```

Reg.jsp:

```
%@page import="java.sql.*"%
%@page import="java.io.*"%
<%
out.println("<html><body bgcolor=\"pink\">");
String name=request.getParameter("name");
String addr=request.getParameter("addr");
String phno=request.getParameter("phno");
String id=request.getParameter("id");
String pwd=request.getParameter("pwd");
int no=Integer.parseInt(phno);
```

```
Driver d=new oracle.jdbc.driver.OracleDriver();
DriverManager.registerDriver(d);
Connection con=
DriverManager.getConnection (“jdbc:oracle:thin:@localhost:1521:orcl”,”scott”,”tiger”);
Statement stmt=con.createStatement();
String sqlstmt=”select id from login”;
ResultSet rs=stmt.executeQuery(sqlstmt);
int flag=0;
while(rs.next())
{
if(id.equals(rs.getString(1)))
{
flag=1;
}
}
if(flag==1)
{
out.println(“SORRY LOGIN ID ALREADY EXISTS TRY AGAIN WITH NEW ID
<br><br>”);
out.println(“<a href=\”/tr1/reg.html\”>press REGISTER to RETRY</a>”);
}
else
{
Statement stmt1=con.createStatement ();
stmt1.executeUpdate (“insert into login values
(“+name+”,”+addr+”,”+no+”,”+id+”,”+pwd+”)”);
out.println (“YOU DETAILS ARE ENTERED <br><br>”);
out.println (“<a href =\”/tr1/login.html\”>press LOGIN to login</a>”);
}
out.println (“</body></html>”);
```

%>

Profile.jsp:

```
<%@page import=”java.sql.*”%>
<%@page import=”java.io.*”%>
<%
out.println (“<html><body bgcolor=\”pink\”>”);
String id=request.getParameter(“id”);
Driver d=new oracle.jdbc.driver.OracleDriver();
DriverManager.regiserDriver(d);
Connection con=
DriverManager.getConnection (“jdbc:oracle:thin:@localhost:1521:orcl”,”scott”,”tiger”);
Statement stmt=con.createStatement ();
String sqlstmt=”select * from login where id=”+id+””;
ResultSet rs=stmt.executeQuery (sqlstmt);
int flag=0;
while(rs.next())
{
out.println (“<div align=\”center\”>”);
out.println (“NAME :”+rs.getString(1)+”<br>”);
out.println (“ADDRESS :”+rs.getString(2)+”<br>”);
out.println (“PHONE NO :”+rs.getString(3)+”<br>”);
out.println (“</div>”);
flag=1;
}
if(flag==0)
{
out.println(“SORRY INVALID ID TRY AGAIN ID <br><br>”);
out.println(“<a href=\”/tr1/profile.html\”>press HERE to RETRY </a>”);
}
out.println (“</body></html>”);
```

```
%>
```

Catalog.jsp:

```
<%@page import="java.sql.*"%>
<%@page import="java.io.*"%>
<%
out.println ("<html><body bgcolor=\"pink\">");
String title=request.getParameter ("title");
Driver d=new oracle.jdbc.driver.OracleDriver ();
DriverManager.regiserDriver (d);
Connection con=
DriverManager.getConnection ("jdbc:oracle:thin:@localhost:1521:orcl","scott","tiger");
Statement stmt=con.createStatement ();
String sqlstmt="select * from book where title="+title+"";
ResultSet rs=stmt.executeQuery (sqlstmt);
int flag=0;
while(rs.next())
{
out.println ("<div align=\"center\">");
out.println ("TITLE :"+rs.getString(1)+"<br>");
out.println ("AUTHOR :"+rs.getString(2)+"<br>");
out.println ("VERSION:"+rs.getString(3)+"<br>");
out.println ("PUBLISHER :" +rs.getString(4)+"<br>");
out.println ("COST :" +rs.getString(5)+"<br>");
out.println ("</div>");
flag=1;
}
if(flag==0)
{
out.println("SORRY INVALID ID TRY AGAIN ID <br><br>");
```

```
out.println("<a href=\"/tr1/catalog.html\">press HERE to RETRY </a>");
}
out.println ("</body></html>");
%>
```

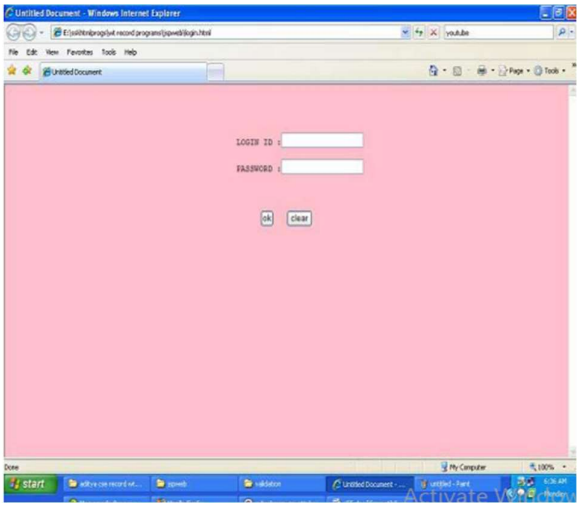
Order.jsp:

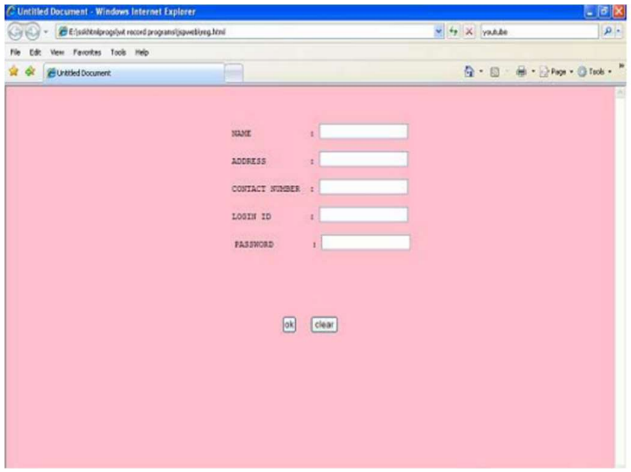
```
<%@page import="java.sql.*"%>
<%@page import="java.io.*"%>
<%
out.println ("<html><body bgcolor=\"pink\">");
String id=request.getParameter ("id");
String pwd=request.getParameter ("pwd");
String title=request.getParameter ("title");
String count1=request.getParameter ("no");
String date=request.getParameter ("date");
String cno=request.getParameter ("cno");
int count=Integer.parseInt(count1);
Driver d=new oracle.jdbc.driver.OracleDriver ();
DriverManager.regiserDriver (d);
Connection con=
DriverManager.getConnection ("jdbc:oracle:thin:@localhost:1521:orcl","scott","tiger");
Statement stmt=con.createStatement ();
String sqlstmt="select id, password from login";
ResultSet rs=stmt.executeQuery (sqlstmt);
int flag=0,amount,x;
while(rs.next())
{
if(id.equals(rs.getString(1))&& pwd.equals(rs.getString(2)))
{
flag=1;
```

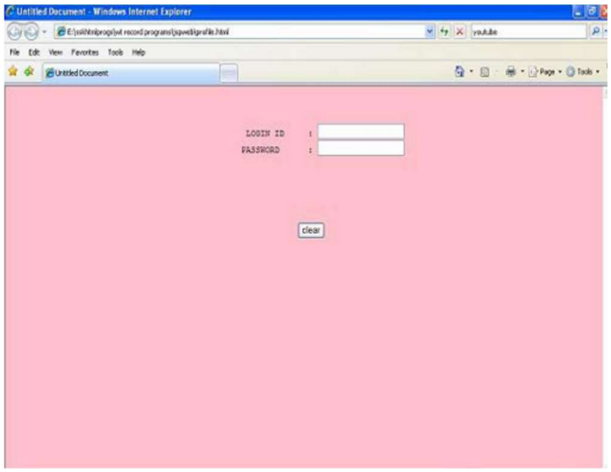
```
}
}
if(flag==0)
{
out.println("SORRY INVALID ID TRY AGAIN ID <br><br>");
out.println("<a href=\"/tr1/order.html\">press HERE to RETRY </a>");
}
else
{
Statement stmt2=con.createStatement();
String s="select cost from book where title="+title+"";
ResultSet rs1=stmt2.executeQuery(s);
int flag1=0;
while(rs1.next())
{
flag1=1;
x=Integer.parseInt(rs1.getString(1));
amount=count*x;
out.println("AMOUNT :"+amount+"<br><br><br><br>");
Statement stmt1=con.createStatement ();
stmt1.executeUpdate ("insert into details
("+id+","+title+","+amount+","+date+","+cno+")");
out.println ("YOU ORDER HAS TAKEN<br>");
}
if(flag1==0)
{
out.println("SORRY INVALID BOOK TRY AGAIN <br><br>");
out.println("<a href=\"/tr1/order.html\">press HERE to RETRY </a>");
}
}
```

out.println (“</body></html>”);%>

Output:







Result:

The static web pages are converted into dynamic web pages using JSP for book catalogue**.**

Ex No : 08

Date :

Creation of an XML documents

Aim:

To create and save an XML document at the server, which contain some users information. To develop Java Program takes user id as an input and returns the user details by taking the user information from the XML document.

Algorithm:

- Start the process
- Save Students information in the XML file on the specific location.
- Create and Establish the server connection between html file and XML file in the host
- Get the user ID as input
- Display the user's information.
- Stop the process.

Program:

index.html

```
<!DOCTYPE html>
<html>
<head>
<title>Searching for XML Elements </title>
<script>
function readXMLData()
{
var xmlDocumentObject, id , name , addr, phone, email;
xmlDocumentObject=new XMLHttpRequest();
xmlDocumentObject.open("GET","userlist.xml",false);
xmlDocumentObject.send();
xmlDocumentObject=xmlDocumentObject.responseXML;
```

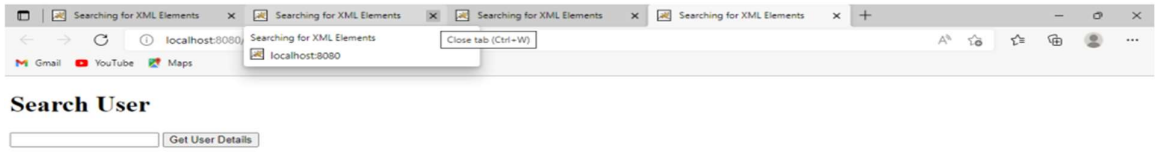
```
id = xmlDocumentObject.getElementsByTagName("userid");
name = xmlDocumentObject.getElementsByTagName("username");
address = xmlDocumentObject.getElementsByTagName("address");
phone = xmlDocumentObject.getElementsByTagName("phone");
email = xmlDocumentObject.getElementsByTagName("email");
for (i = 0; i < id.length; i++)
{
output=id[i].firstChild.nodeValue;
if (output == document.getElementById("myText").value)
{displayDIV.innerHTML = id[i].firstChild.nodeValue + "<br> " +
name[i].firstChild.nodeValue
+"<br> " +address[i].firstChild.nodeValue + "<br> " +
phone[i].firstChild.nodeValue+"<br>"+email[i].firstChild.nodeValue;
} } }
</script>
</head>
<body>
<h1>Search User</h1>
<input type="text" id="myText" value="">
<input type="BUTTON" VALUE="Get User Details" ONCLICK="readXMLData()">
<p>
<div id="displayDIV"> </div>
</body>
</html>
```

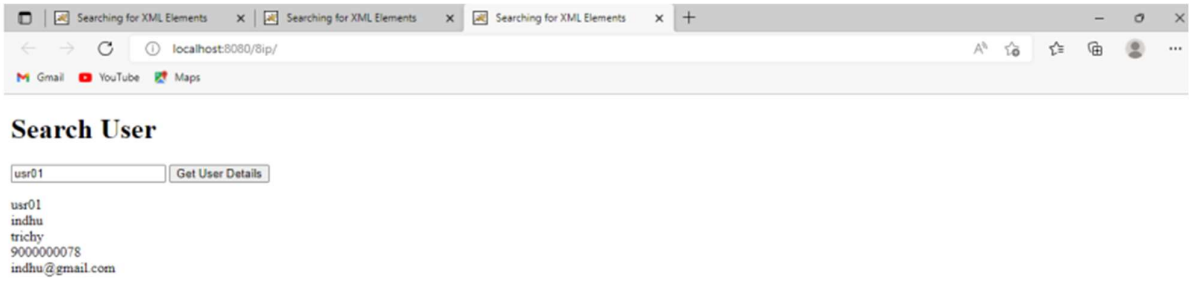
userlist.xml:

```
<userlist>
<userid>usr01</userid>
<username>indhu</username>
<address>trichy</address>
```

<phone>9000000078</phone>
<email>indhu@gmail.com</email>
<userid>usr02</userid>
<username>Pooja</username>
<address>chennai</address>
<phone>9111111111</phone>
<email>pooja@gmail.com</email>
<userid>usr03</userid>
<username>sadhana</username>
<address>telugana</address>
<phone>9222222222</phone>
<email>sadhana@gmail.com</email>
<userid>usr04</userid>
<username>sameera</username>
<address>bangalore</address>
<phone>9555555555</phone>
<email>sameera@gmail.com</email>
<userid>usr05</userid>
<username>naveena</username>
<address>Perambalur</address>
<phone>9666666666</phone>
<email>naveena@gmail.com</email>
</userlist>

Output:





Result:

Thus the Java Program takes user id as an input and returns the user details by taking the user information from the XML document has been executed successfully.

Ex No : 09a

Date :

Form validation using PHP regular expression

Aim:

To validate the form using PHP regular expression.

Algorithm:

- Start the process.
- Form is created for class registration with fields.
- These fields are validated using PHP code.
- Form is displayed.
- Stop the process.

Program:

index.php

```
<!DOCTYPE HTML>
<html>
<head>
<style>
.error {color: #FF0000;}
</style>
</head>
<body>
<?php
$nameErr = $emailErr = $genderErr = $websiteErr = "";
$name = $email = $gender = $comment = $website = "";
if ($_SERVER["REQUEST_METHOD"] == "POST") {
 if (empty($_POST["name"])) {
 $nameErr = "Name is required";
} else {
```

```
$name = test_input($_POST["name"]);
if (!preg_match("/^[a-zA-Z-' ]*$/",$name)) {
$nameErr = "Only letters and white space allowed";
}
}
if (empty($_POST["email"])) {
$emailErr = "Email is required";
} else {
$email = test_input($_POST["email"]);
if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
$emailErr = "Invalid email format";
}
}
if (empty($_POST["website"])) {
$website = "";
} else {
$website = test_input($_POST["website"]);
if (!preg_match("/\b(?:(?:https?|ftp):\/\/|www\.)[-a-z0-9+&@#\/%?=~_|!:,.;]*[-a-z0-
9+&@#\/%=~_|]/i",$website)) {
$websiteErr = "Invalid URL";
}
}
if (empty($_POST["comment"])) {
$comment = "";
} else {
$comment = test_input($_POST["comment"]);
}
if (empty($_POST["gender"])) {
$genderErr = "Gender is required";
} else {
```

```
 $gender = test_input($_POST["gender"]);
 }}
function test_input($data) {
 $data = trim($data);
 $data = stripslashes($data);
 $data = htmlspecialchars($data);
 return $data;
}
?>
<h2>PHP Form Validation Example</h2>
<p><span class="error">* required field</span></p>
<form method="post" action="<?php echo
htmlspecialchars($_SERVER["PHP_SELF"]);?>">
 Name: <input type="text" name="name" value="<?php echo $name;?>">
 <span class="error">* <?php echo $nameErr;?></span>
 <br><br>
 E-mail: <input type="text" name="email" value="<?php echo $email;?>">
 <span class="error">* <?php echo $emailErr;?></span>
 <br><br>
 Website: <input type="text" name="website" value="<?php echo $website;?>">
 <span class="error"><?php echo $websiteErr;?></span>
 <br><br>
 Comment: <textarea name="comment" rows="5" cols="40"><?php echo
$comment;?></textarea>
 <br><br>
 Gender:
 <input type="radio" name="gender" <?php if (isset($gender) &&
$gender=="female") echo "checked";?> value="female">Female
 <input type="radio" name="gender" <?php if (isset($gender) && $gender=="male")
echo "checked";?> value="male">Male
```

```
 <input type="radio" name="gender" <?php if (isset($gender) && $gender=="other")
echo "checked";?> value="other">Other
 <span class="error">* <?php echo $genderErr;?></span>
 <br><br>
 <input type="submit" name="submit" value="Submit">
</form>
<?php
echo "<h2>Your Input:</h2>";
echo $name;
echo "<br>";
echo $email;
echo "<br>";
echo $website;
echo "<br>";
echo $comment;
echo "<br>";
echo $gender;
?>
</body>
</html>
```

Output:

Result:

The form is validated using PHP regular expression.

Ex No : 09b

Date :

Storing a form data in PHP

Aim:

To store a PHP form data into database.

Algorithm:

- Start the process.
- Form is created with fields name, mail id, contact and address.
- Table is created in mysql.
- The input data entered into the fields are stored using PHP code.
- Stop the process.

Program:

index.php

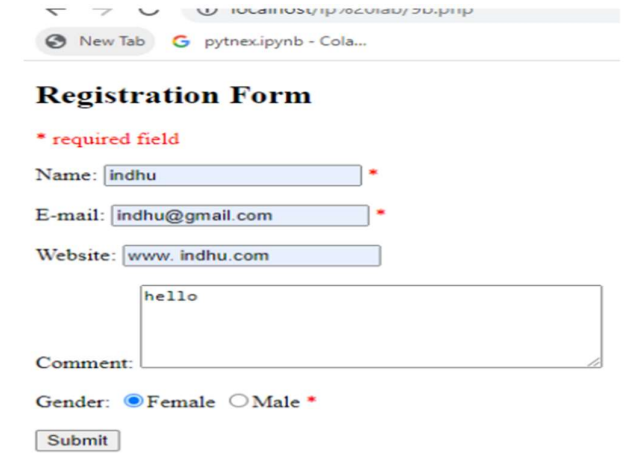
```
<!DOCTYPE html>
<html>
<head>
<style>
.error {color: #FF0000;}
</style>
</head>
<body>
<?php
$nameErr = $emailErr = $genderErr = $websiteErr = "";
$name = $email = $gender = $comment = $website =$result= "";
if ($_SERVER["REQUEST_METHOD"] == "POST") {
if (empty($_POST["name"])) {
$nameErr = "Name is required";
} else {
$name = test_input($_POST["name"]);
```

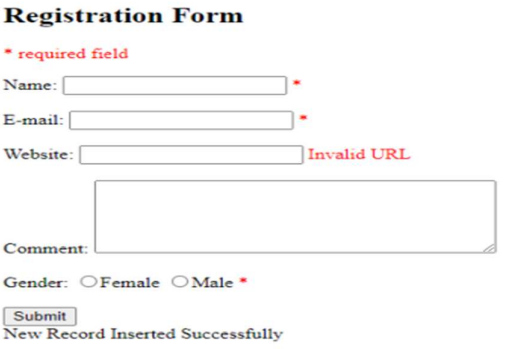
```
if (!preg_match("/^[a-zA-Z ]*$/",$name)) {
$nameErr = "Only letters and white space allowed";
}
}
50
if (empty($_POST["email"])) {
$emailErr = "Email is required";
} else {
$email = test_input($_POST["email"]);
if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
$emailErr = "Invalid email format";
}
}
if (empty($_POST["website"])) {
$website = "";
} else {
$website = test_input($_POST["website"]);
if (!preg_match("/\b(?:(?:https?|ftp):\/\/|www\.)[-a-z0-9+&@#\/%?=~_|!:,.;]*[-a-z0-
9+&@#\/%=~_|]/i",$website)) {
$websiteErr = "Invalid URL";
}
}
if (empty($_POST["comment"])) {
$comment = "";
} else {
$comment = test_input($_POST["comment"]);
}
if (empty($_POST["gender"])) {
$genderErr = "Gender is required";
} else {
```

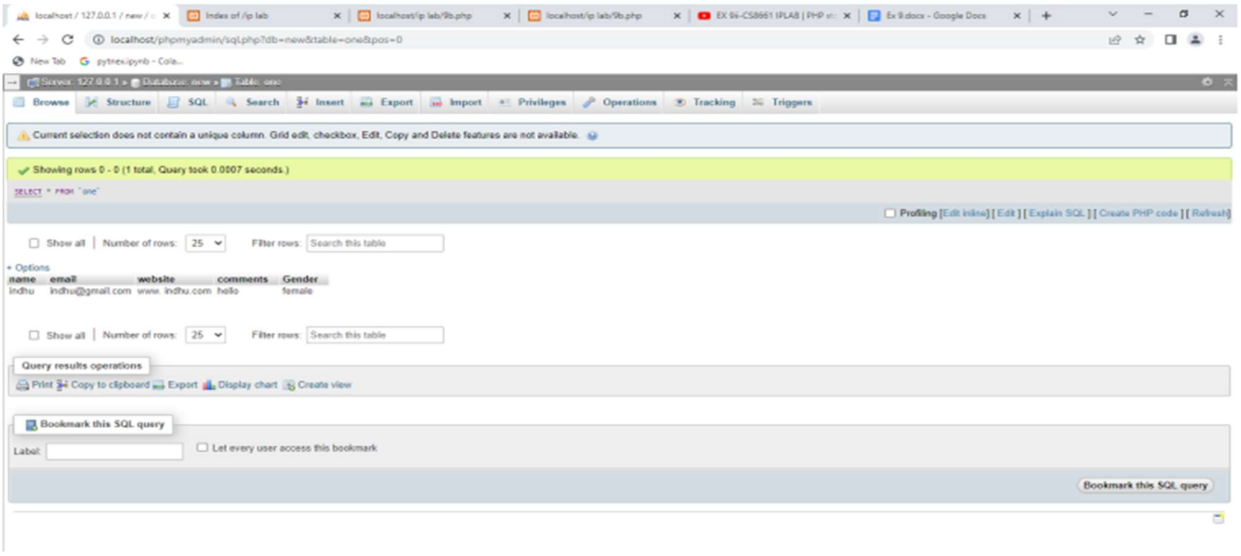
```
$gender = test_input($_POST["gender"]);
}
$servername = "localhost";
51
$username = "root";
$password = "";
$dbname = "iplab";
$conn = new mysqli($servername, $username, $password, $dbname);
if ($conn->connect_error) {
die("Connection failed: " . $conn->connect_error);
}
$sql = "INSERT INTO register (name, email,website,comments,gender)
VALUES ('$name', '$email', '$website','$comment', '$gender')";
if ($conn->query($sql) === TRUE) {
$result="New Record Inserted Successfully";
} else {
echo "Error: " . $sql . "<br>" . $conn->error;
}
$conn->close();
}
function test_input($data) {
$data = trim($data);
$data = stripslashes($data);
$data = htmlspecialchars($data);
return $data;
}
?>
<h2>Registration Form</h2>
<p><span class="error">* required field</span></p>
<form method="post" action="<?php echo
```

```
htmlspecialchars($_SERVER["PHP_SELF"]);?>">
Name: <input type="text" name="name">
52
<span class="error">* <?php echo $nameErr;?></span>
<br><br>
E-mail: <input type="text" name="email">
<span class="error">* <?php echo $emailErr;?></span>
<br><br>
Website: <input type="text" name="website">
<span class="error"><?php echo $websiteErr;?></span>
<br><br>
Comment: <textarea name="comment" rows="5" cols="40"></textarea>
<br><br>
Gender:
<input type="radio" name="gender" value="female">Female
<input type="radio" name="gender" value="male">Male
<span class="error">* <?php echo $genderErr;?></span>
<br><br>
<input type="submit" name="submit" value="Submit">
</form>
<?php
echo $result;
?>
</body>
</html>
```

Output:







Result:

The PHP form data is stored into the database.

Ex No : 10

Date:

Web Services for finding people's opinion

Aim:

To Write a web services for finding what people think by asking 500 people's opinion for any consumer product.

Algorithm:

- Start the process.
- Open the home page.
- Enter the login ID and type the comments then submit.
- Retrieve comments with post id
- Display the comments.

Program:

Index.php

```
<!doctype html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<title>jQuery Ajax Comment System - Demo</title>
<link rel="stylesheet" href="css/style.css">
<script src="http://ajax.googleapis.com/ajax/libs/jquery/1.10.2/jquery.min.js"></script>
<script src="js/script.js"></script>
</head>
<body>
<div class="wrap">
<h1> Maggy Noodles Comment System</h1>
<?php
// retrive post
include('config.php');
```

```
include ('function.php');
dbConnect();
$query = mysql_query(
'SELECT *
FROM post
WHERE post_id = 1');
$row = mysql_fetch_array($query);
?>
<div class="post">
<h2><?php echo $row['post_title']?></h2>
<p><?php echo $row['post_body']?></p>
</div>
<?php
// retrive comments with post id
$comment_query = mysql_query(
"SELECT *
FROM comment
WHERE post_id = {$row['post_id']}
ORDER BY comment_id DESC
LIMIT 15");
?>
<h2>Comments.....</h2>
<div class="comment-block">
<?php while($comment = mysql_fetch_array($comment_query)): ?>
<div class="comment-item">
<div class="comment-avatar">
<img src="<?php echo avatar($comment['mail']) ?>" alt="avatar">
</div>
<div class="comment-post">
<h3><?php echo $comment['name'] ?> <span>said....</span></h3>
```

```
<p><?php echo $comment['comment']?></p>
</div>
</div>
<?php endwhile?>
</div>
<h2>Submit new comment</h2>
<!--comment form -->
<form id="form" method="post">
<!-- need to supply post id with hidden fild -->
<input type="hidden" name="postid" value="<?php echo $row['post_id']?>">
<label>
<span>Name *</span>
<input type="text" name="name" id="comment-name" placeholder="Your name here...."
required>
</label>
<label>
<span>Email *</span>
<input type="email" name="mail" id="comment-mail" placeholder="Your mail here...."
required>
</label>
<label>
<span>Your comment *</span>
<textarea name="comment" id="comment" cols="30" rows="10" placeholder="Type your
comment
here...." required></textarea>
</label>
<input type="submit" id="submit" value="Submit Comment">
</form>
</div>
</body>
```

```
</html>
```

Ajax_Comment.php

```
<?php
if (isset( $_SERVER['HTTP_X_REQUESTED_WITH'] )):
include('config.php');
include('function.php');
dbConnect();
if (!empty($_POST['name']) AND !empty($_POST['mail']) AND
!empty($_POST['comment']) AND !empty($_POST['postid'])) {
$name = mysql_real_escape_string($_POST['name']);
$mail = mysql_real_escape_string($_POST['mail']);
$comment = mysql_real_escape_string($_POST['comment']);
$postId = mysql_real_escape_string($_POST['postid']);
mysql_query("
INSERT INTO comment
(name, mail, comment, post_id)
VALUES('{$name}', '{$mail}', '{$comment}', '{$postId}')");
}
?>
<div class="comment-item">
<div class="comment-avatar">
<img src="<?php echo avatar($mail) ?>" alt="avatar">
</div>
<div class="comment-post">
<h3><?php echo $name ?> <span>said....</span></h3>
<p><?php echo $comment?></p>
</div>
</div>
<?php
dbConnect(0);
```

endif?>

Config.php

```
<?php
# db configuration
define('DB_HOST', 'localhost');
define('DB_USER', 'root');
define('DB_PASS', 'root');
define('DB_NAME', 'dbname');
?>
```

Function.php

```
<?php
/**
* Connect to mysql server
* @param bool
* @use true to connect false to close
*/
function dbConnect($close=true){
if (!$close) {
mysql_close($link);
return true;
}
$link = mysql_connect(DB_HOST, DB_USER, DB_PASS) or die('Could not connect to
MySQL DB ') . mysql_error();
if (!mysql_select_db(DB_NAME, $link))
return false;
}
/**
* gravatar Image
* @see http://en.gravatar.com/site/implement/images/
*/
```

```
function avatar($mail, $size = 60){
$url = "http://www.gravatar.com/avatar/";
$url .= md5( strtolower( trim( $mail ) ) );
// $url .= "?d=" . urlencode( $default );
$url .= "&s=" . $size;
return $url;
}
?>
```

Style.CSS

```
/* general styling */
*{
margin: 0;
padding: 0;
box-sizing: border-box;
-webkit-box-sizing: border-box;
-moz-box-sizing: border-box;
-webkit-font-smoothing: antialiased;
-moz-font-smoothing: antialiased;
-o-font-smoothing: antialiased;
font-smoothing: antialiased;
text-rendering: optimizeLegibility;
}
body{
font: 12px Arial,Tahoma,Helvetica,FreeSans,sans-serif;
text-transform: inherit;
color: #333;
background: #e7edee;
width: 100%;
text-shadow: 0 1px 1px rgba(0, 0, 0, 0.2)
```

```
}
.wrap{
width: 720px;
margin: 15px auto;
padding: 15px 20px;
background: white;
border: 2px solid #DBDBDB;
-webkit-border-radius: 5px;
-moz-border-radius: 5px;
border-radius: 5px;
overflow: hidden;
}
a{ text-decoration: none; color: #333}
h1{
font-family: Georgia, "Times New Roman", Times, serif;
font-size: 2.8em;
text-align: center;
margin: 25px 0;
}
h2{font-size: 1.5em; margin: 8px 0}
h3{
font-size: 1.2em;
margin: 5px 0;
}
h3 span{
font-weight: normal;
font-size: 1em;
}
.item{
clear: both;
```

```
margin:0;
padding: 10px;
overflow: hidden;
border-top: 1px solid #DBDBDB;
}
.item:last-child{border-bottom:1px solid #DBDBDB}
.item:hover{background: #f9f9f9}
.post{
padding: 10px 0;
border-bottom: 1px solid #E6E6E6;
}
.comment-block{
margin: 20px 0 20px 20px;
}
.comment-item{
overflow: hidden;
width: 500px;
clear: both;
padding: 10px;
border: 1px solid #E6E6E6;
border-radius: 5px;
margin: 5px;
}
.comment-avatar{
width: 60px;
float: left;
}
.comment-avatar img{
width: 60px;
height: 60px;
```

```
border-radius: 5px;
}
.comment-post{
width: 400px;
float: left;
padding: 0 5px 0 10px;
}
#form{
clear: both;
margin: 10px;
width: 500px;
}
/* form styling */
input[type="text"],
input[type="email"],
input[type="tel"],
input[type="url"],
textarea {
width:100%;
background: #fff;
border: 1px solid #ddd;
font-size: 13px;
line-height: 20px;
margin: 0;
padding: 7px 10px;
box-shadow: inset 0 1px 2px #eee;
border:1px solid #CCC;
margin:0 0 5px;
border-radius:5px;
}
```

```
textarea {
height:100px;
max-width:100%;
}
input[type="submit"] {
cursor:pointer;
width:100%;
border:none;
background:#991D57;
background-image:linear-gradient(bottom, #8C1C50 0%, #991D57 52%);
background-image:-moz-linear-gradient(bottom, #8C1C50 0%, #991D57 52%);
background-image:-webkit-linear-gradient(bottom, #8C1C50 0%, #991D57 52%);
color:#FFF;
margin:0 0 5px;
padding:10px;
border-radius:5px;
}
input[type="submit"]:hover {
background-image:linear-gradient(bottom, #9C215A 0%, #A82767 52%);
background-image:-moz-linear-gradient(bottom, #9C215A 0%, #A82767 52%);
background-image:-webkit-linear-gradient(bottom, #9C215A 0%, #A82767 52%);
-webkit-transition:background 0.3s ease-in-out;
-moz-transition:background 0.3s ease-in-out;
transition:background-color 0.3s ease-in-out;
}
input[type="submit"]:active {
box-shadow:inset 0 1px 3px rgba(0,0,0,0.5);
}
input:focus,
textarea:focus {
```

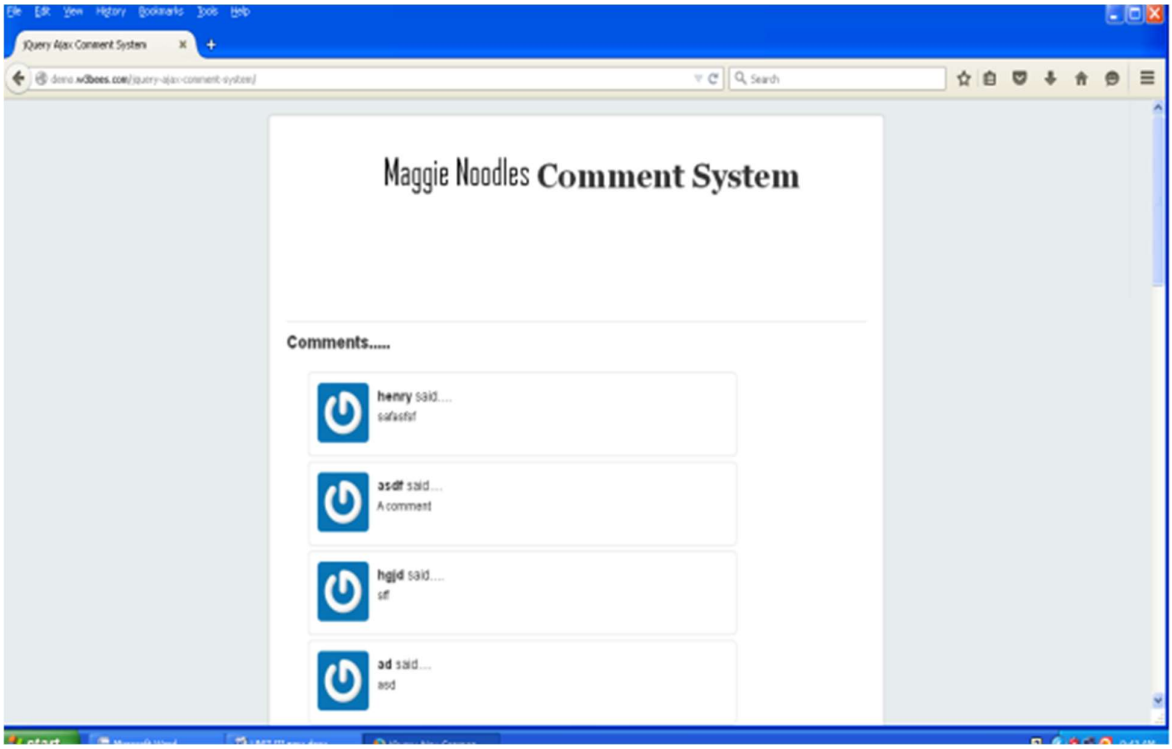
```
outline:0;
border:1px solid #999;
}
label{
display: block;
margin: 5px 0;
font-weight: 900;
cursor: pointer;
}
.alert{
display: none;
padding: 8px 35px 8px 14px;
margin: 20px 0;
text-shadow: 0 1px 0 rgba(255, 255, 255, 0.5);
color: #468847;
background-color: #dff0d8;
border-color: #d6e9c6;
-webkit-border-radius: 4px;
-moz-border-radius: 4px;
border-radius: 4px;
}
```

Script.js

```
$(document).ready(function(){
var form = $('form');
var submit = $('#submit');
form.on('submit', function(e) {
// prevent default action
e.preventDefault();
// send ajax request
$.ajax({
```

```
url: 'ajax_comment.php',
type: 'POST',
cache: false,
data: form.serialize(), //form serizlize data
beforeSend: function(){
// change submit button value text and disabled it
submit.val('Submitting...').attr('disabled', 'disabled');
},
success: function(data){
// Append with fadeIn see http://stackoverflow.com/a/978731
var item = $(data).hide().fadeIn(800);
$('.comment-block').append(item);
// reset form and button
form.trigger('reset');
submit.val('Submit Comment').removeAttr('disabled');
},
error: function(e){
alert(e);
}
});
});
});
```

Output:



Result:

Thus a web services for finding what people think by asking 500 people's opinion for any consumer product has been executed successfully.