**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*002-JQuery-Ajax-Client-Load-Text.html\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<html>

<head>

<script language="javascript" src="Scripts/jquery-2.0.0.js"></script>

<script language="javascript">

jQuery(document).ready(mainEntry);

function mainEntry()

{

wireEvents();

}

function wireEvents(){

alert(",,,,,,,");

$('#targetDiv').load('IgateContents.txt');

}

</script>

</head>

<body>

hello......

<div id="targetDiv"> </div>

</body></html>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*IgateContents.txt\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

Hello Igators.

Hoew R U

I am fine.

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*003-JQuery-Ajax-Client-Load-Text2.html\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<html><head>

<script language="javascript" src="Scripts/jquery-2.0.0.js"></script>

<script language="javascript">

jQuery(document).ready(mainEntry);

function mainEntry()

{

wireEvents();

}

function wireEvents(){

alert ("in wire events ")

$('#btnLoadId').bind('click',{'fileName':'IgateContents.txt'},

eventClickHandler);

}

function eventClickHandler(event)

{

alert(",,,,,,,");

$('#targetDiv').load(event.data.fileName);

}

</script></head><body>

<input type="button" id="btnLoadId" value="LOAD"/>

hello......

<div id="targetDiv"> </div></body></html>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*004-JQuery-Ajax-Client-Load-Html\*\*\*\*\*\*\*\*\*\*\*\*\***

<html>

<head>

<script language="javascript" src="Scripts/jquery-2.0.0.js"></script>

<script language="javascript">

jQuery(document).ready(mainEntry);

function mainEntry()

{

wireEvents();

}

function wireEvents(){

alert ("in wire events ")

$('#btnLoadId').bind('click',{'fileName':'IgateContents.html'},

eventClickHandler);

}

function eventClickHandler(event)

{

alert(",,,,,,,");

$('#targetDiv').load('IgateContents.html #company');

}

</script></head><body>

<input type="button" id="btnLoadId" value="LOAD"/>

hello......

<div id="targetDiv"> </div>

</body></html>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*IgateContents.html\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Insert title here</title>

</head>

<body> Welcme All.

<div id="company">My Company Name Is IGate</div>

</body></html>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*005-JQuery-Ajax-Client-Load-Json.html\*\*\*\*\*\*\*\*\*\***

<html><head>

<script language="javascript" src="Scripts/jquery-2.0.0.js"></script>

<script language="javascript">

jQuery(document).ready(mainEntry);

function mainEntry()

{

wireEvents();

}

function wireEvents(){

alert ("in wire events ")

$('#btnLoadId').bind('click',clickHandler);

}

function clickHandler(event)

{

alert(",,,,,,,");

$('#targetDiv').load('IgateContents.json');

}

</script></head><body>

<input type="button" id="btnLoadId" value="Get Json Data"/>

hello......

<div id="targetDiv"> </div>

</body></html>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*IgateContents.html\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

{"EmployeeID":821219,"Name":"Vaishali","Company":"IGate"}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*006-JQuery-Ajax-Client-$Ajax-Json.html\*\*\*\*\*\*\*\***

<html>

<head>

<script language="javascript" src="Scripts/jquery-2.0.0.js"></script>

<script language="javascript">

jQuery(document).ready(mainEntry);

function mainEntry()

{

wireEvents();

}

function wireEvents(){

alert ("in wire events ")

$('#btnLoadId').bind('click',clickHandler);

}

function clickHandler(event)

{

alert('in handler')

$.get('IgateContents.json',

function(data){

$('#targetDiv').

append("The Return Value is "+data.Name);

},

'json');

}

</script></head><body>

<input type="button" id="btnLoadId" value="Get Json Data"/>

hello......

<div id="targetDiv"> </div>

</body></html>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 001-JS-Ajax-GET-Client.html\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<!--

when we submit a form we see astatus in task bar.

unless server gives response client cannot

do anything.

Such applications are called as classic web application.

client side scripting--executed on client machine.

server side scripting -executed on server m/c and response in

in html format with http protocol.

when we press refresh again same thing happens.

and again dom structure is created.if any new

node is added afterword then we don't get it.

This is a disadvantage of classic web application.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

classic web application has synchronous approach.

asynchronous means keeps on sending the request

and i can continue with my work.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

loss of operation context is lost.

[dom manipulation using js is gone]

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

instant feed bach is not available in classic web app.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Rich Internet Application

AJax use client scripting that is JS

to get the data from web server.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

without refreshing page ajax change its contents.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Ajax support only portion of scrren to

update the data from server.[Partial Page Update]

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

classic web app are page driven whwere as

ajax is data driven app.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ajax engine converts xmlhttprequest to httprequest

and send to server

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

open() is used to specify a type of request

get and true means for asynchronous calls.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Ie-mozila -firefox

-->

<html>

<head>

<!-- <script language="javascript" src="../Scripts/jquery-2.0.0.js">

</script> -->

<script type="text/javascript">

var xmlHttp=null;

function LoadXMLHTTP() {

if(XMLHttpRequest)

{

//alert("supporetd..");

xmlHttp=new XMLHttpRequest();

}

else

{

//alert(" not supporetd..");

xmlHttp=new ActiveXObject("Microsoft.XMLHTTP");

}

}

function AddNumbers()

{

var firstNumber=document.getElementById("txtFirstNumberId").value;

var secondNumber=document.getElementById("txtSecondNumberId").value;

alert(firstNumber);

alert(secondNumber);

var params="txtFirstNumber="+firstNumber+

"&txtSecondNumber="+secondNumber;

alert(params);

var url="http://localhost:8081/AjaxJQueryJspAdditionDemo/Addition.jsp";

xmlHttp.open("GET",url+"?"+params,true);

//call back method will be executed when response will be send

//readystate=loading(1) loaded(2) interactive(3) complete(4)

xmlHttp.onreadystatechange=showResults;

//send method id used to send request

xmlHttp.send();

}

//call back method 4 times called

function showResults()

{

alert ("Hi ");

if(xmlHttp.readyState==4 && xmlHttp.status==200)

{

// document.forms[0].elements['txtResultId'].value=

// xmlHttp.responseText;

document.getElementById("txtResultId").value=xmlHttp.responseText;

}

}

</script></head>

<body onload="LoadXMLHTTP();">

<h3>Enter Details</h3>

<form >

First Number :<input type="text"

id="txtFirstNumberId"

name="txtFirstNumber"/><br/>

Second Result:<input type="text"

name="txtSecondNumber"

id="txtSecondNumberId"/><br/>

Result:<input type="text" name="txtResult"

id="txtResultId"/><br/>

<input type="button" name="btnAdd" value="ADD"

onclick="AddNumbers();"

/>

</form>

</body></html>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Addition.jsp\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<%

int num1=Integer.parseInt(request.getParameter("txtFirstNumber"));

int num2=Integer.parseInt(request.getParameter("txtSecondNumber"));

int res=num1+num2;

out.println(res);

%>

</body>

</html>

**\*\*\*\*\*\*\*\*\*\*\*\*** **005-Ajax-Servlet-Json-Demo.html\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<input type=*button* id=*"getEmpInfoId"* value=*"Get Employee Info"*>

<hr>

<div id=*"targetDiv"*>

</div>

</body>

<script src=*"http://ajax.googleapis.com/ajax/libs/jquery/1.7.2/jquery.js"* type=*"text/javascript"*></script>

<script type=*"text/javascript"*>

$('#getEmpInfoId').click( **function** (){

$.ajax(

{

type:"POST",

url:"http://localhost:8081/AjaxJQueryJspAdditionDemo/HelloServletController",

dataType:"json",

contentype:"application/json;charset=utf-8",

success: **function**(data,statusText,xhr)

{

$('#targetDiv').html("Emp Name : "+data.Name+"<br>"+

"empid : "+data.empid+"<br>"+

"Todays Date : "+data.date+"<br>"+ " Location : "+data.location+"<br>"

);

},

error : **function** (xhr,statusText,error){

$('#targetDiv').html(xhr.statusText);

}

});

});

</script>

</html>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*** **HelloServletController.java\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.ajax.controller;

import java.io.FileReader;

import java.io.IOException;

import java.io.PrintWriter;

import java.text.SimpleDateFormat;

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.codehaus.jettison.json.JSONException;

import org.codehaus.jettison.json.JSONObject;

public class HelloServletController extends HttpServlet {

private static final long serialVersionUID = 1L;

public HelloServletController() { super(); }

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

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

JSONObject json= new JSONObject();

try {

json.put("Name", "Vaishali Srivastava");

json.put("empid", 821219);

Date d= new Date();

SimpleDateFormat sd= new SimpleDateFormat("dd/MMM/yyyy");

String today=sd.format(d);

json.put("date", today);

json.put("location", "Pune");

json.put("deptName", "Training");

PrintWriter out= response.getWriter();

System.out.println("response sent....");

out.println(json.toString());

} catch (JSONException e) {

e.printStackTrace();

}

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*Web.xml\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<display-name>AjaxJQueryJspAdditionDemo</display-name>

<welcome-file-list>

<welcome-file>index.html</welcome-file>

</welcome-file-list>

<servlet>

<servlet-name>HelloServletController</servlet-name>

<servlet-class>com.ajax.controller.HelloServletController</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>HelloServletController</servlet-name>

<url-pattern>/HelloServletController</url-pattern>

</servlet-mapping>

<servlet>

<description></description>

<display-name>InsertPersonServlet</display-name>

<servlet-name>InsertPersonServlet</servlet-name>

<servlet-class>com.ajax.controller.InsertPersonServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>InsertPersonServlet</servlet-name>

<url-pattern>/InsertPersonServlet</url-pattern>

</servlet-mapping>

</web-app>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*InsertServlet.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.ajax.controller;

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;

import org.codehaus.jettison.json.JSONException;

import org.codehaus.jettison.json.JSONObject;

import com.ajax.bean.Person;

public class InsertPersonServlet extends HttpServlet

{

private static final long serialVersionUID = 1L;

Person parr[]=new Person[50];

static int index=0;

public InsertPersonServlet()

{

super();

storeDetails();

}

public void storeDetails()

{

parr[0]=new Person(822599, "yogini", "naik", "Pune");

parr[1]=new Person(12345, "Gikita", "Talsania", "Pune");

parr[2]=new Person(235333, "Shraddha", "Jadhav", "Pune");

parr[3]=new Person(121112, "Yukti", "Valecha", "Pune");

parr[4]=new Person(854123, "Vaishali", "Srivastava", "Pune");

}

protected void doGet(HttpServletRequest request,

HttpServletResponse response) throws ServletException, IOException {

doPost(request,response);

}

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException

{

JSONObject json= new JSONObject();

String empid= request.getParameter("employeeId");

System.out.println(empid);

int id=Integer.parseInt(empid);

PrintWriter out= response.getWriter();

int i=0;

try

{

for(i=0;i<5;i++)

{

if(parr[i].getEmpId()==id)

{

System.out.println("hello.....");

json.put("FirstName", parr[i].getFirstName());

json.put("LastName",parr[i].getLastName());

json.put("location", parr[i].getLocation());

break;

}

}

if(i==5)

json.put("ErrorMsg", "Record Not Found");

out.println(json.toString());

}

catch (JSONException e)

{

e.printStackTrace();

} }}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Person.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**package** com.ajax.bean;

**public** **class** Person {

**private** **int** empId;

**private** String firstName;

**private** String lastName;

**private** String location;

**public** **int** getEmpId() { **return** empId; }

**public** **void** setEmpId(**int** empId) { **this**.empId = empId; }

**public** String getFirstName() { **return** firstName; }

**public** **void** setFirstName(String firstName) { **this**.firstName = firstName; }

**public** String getLastName() { **return** lastName; }

**public** **void** setLastName(String lastName) {**this**.lastName = lastName; }

**public** String getLocation() {**return** location; }

**public** **void** setLocation(String location) {**this**.location = location; }

**public** String toString() { **return** empId+" " + firstName + " " + lastName

+ " " + location ;

}

**public** Person(**int** empId, String firstName, String lastName, String location) {

**this**.empId = empId;

**this**.firstName = firstName;

**this**.lastName = lastName;

**this**.location = location;

}

**public** Person() { }

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*InsertRecord.html\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<hr>

Enter Employee Id :<input type=*"text"* id=*"txtEmpId"*>

<input type=*button* id=*"btnDisplayRecordId"* value=*"Display Record"*>

<div id=*"targetDiv"*>

</div>

</body>

<!-- <script src="http://ajax.googleapis.com/ajax/libs/jquery/1.7.2/jquery.js" type="text/javascript"></script> -->

<script language=*"javascript"* src=*"Scripts/jquery-2.0.0.js"*>

</script>

<script type=*"text/javascript"*>

$('#btnDisplayRecordId').click( **function** (){

**var** empId=$('#txtEmpId').val();

$.ajax(

{

type:"GET",

url:"http://localhost:8081/AjaxJQueryJspAdditionDemo/InsertPersonServlet",

dataType:"json",

data:{employeeId:empId},

contentype:"application/json;charset=utf-8",

success: **function**(data,statusText,xhr)

{

**if**(data.ErrorMsg==undefined){

alert("Success Retrived....");

$('#targetDiv').html

("<p>"+data.FirstName+" "+data.LastName+" "+ data.location+"</p>");

}

**else**

{

alert("error");

$('#targetDiv').html

("<font color=red>"+data.ErrorMsg+"</font>");

}},

error :**function** (xhr,statusText,error){

$('#targetDiv').html(xhr.statusText);

}

});

});

</script></html>