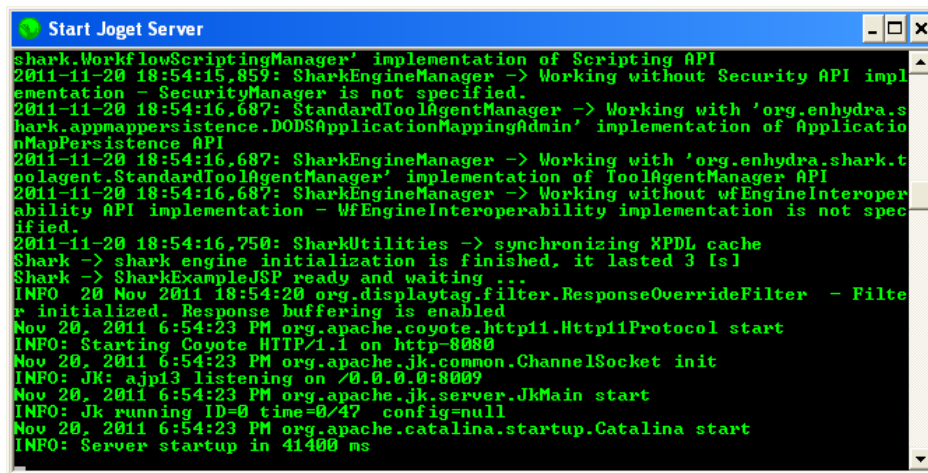


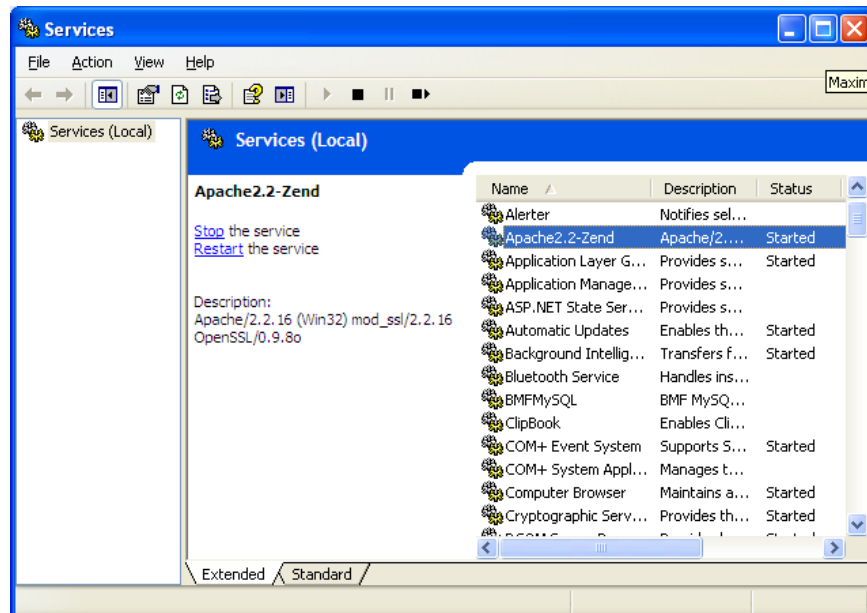
Integration between EXT JS, Joget Engine Workflow, and Zend Framework

I. Environment Settings

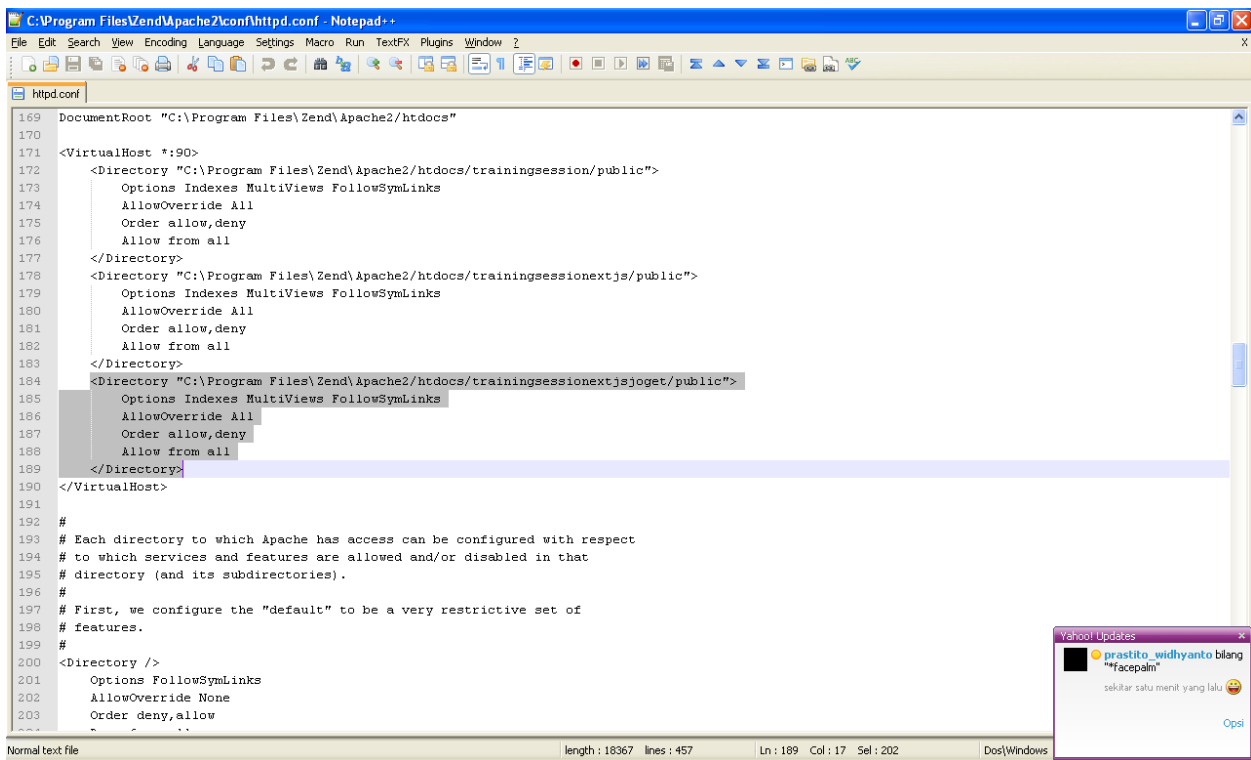
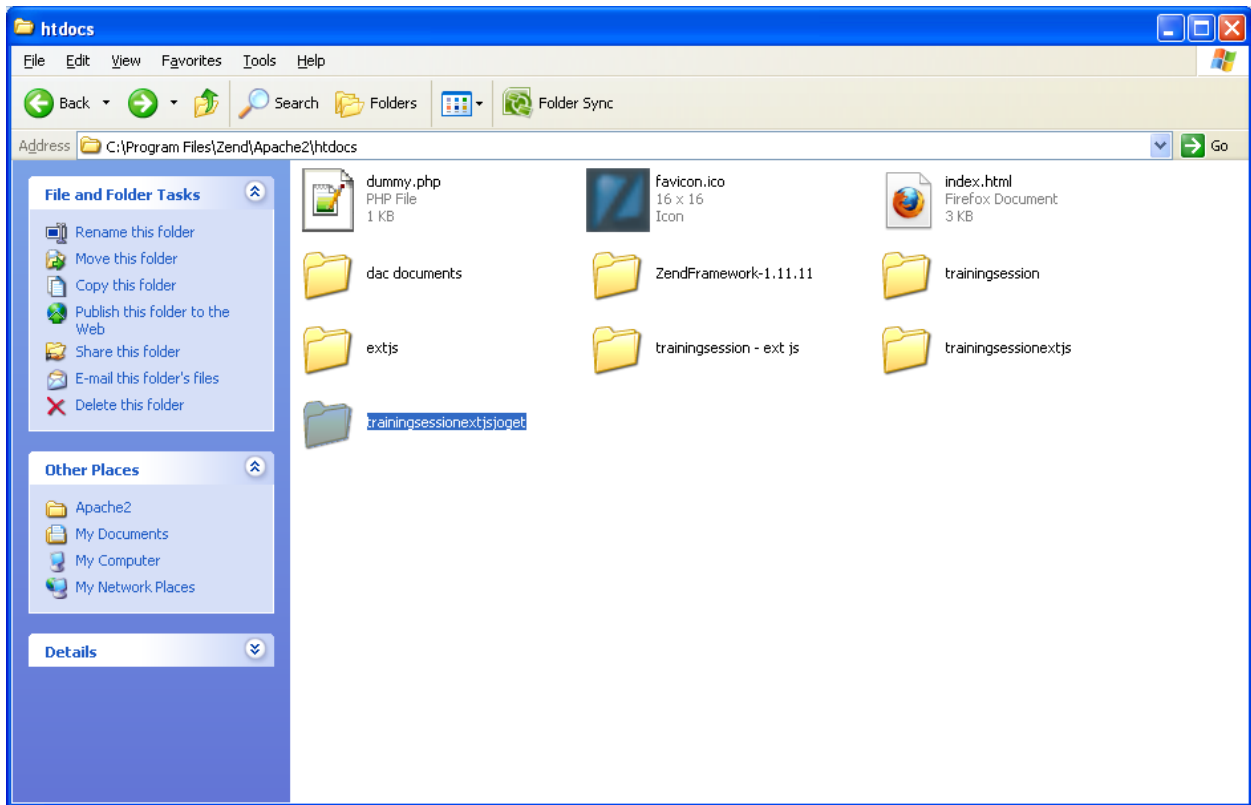
First, you need to make sure all the necessary services already running on your computer. Services which are needed to check are Joget Server and Apache Zend Server.



```
shark.WorkflowScriptingManager' implementation of Scripting API
2011-11-20 18:54:15.859: SharkEngineManager -> Working without Security API impl
mentation - SecurityManager is not specified.
2011-11-20 18:54:16.687: StandardToolAgentManager -> Working with 'org.enhydra.s
hark.appmappersistence.DODSApplicationMappingAdmin' implementation of Applicatio
nMapPersistence API
2011-11-20 18:54:16.687: SharkEngineManager -> Working with 'org.enhydra.shark.t
oolagent.StandardToolAgentManager' implementation of ToolAgentManager API
2011-11-20 18:54:16.697: SharkEngineManager -> Working without wfEngineInteroper
ability API implementation - wfEngineInteroperability implementation is not spec
ified.
2011-11-20 18:54:16.750: SharkUtilities -> synchronizing XPDL cache
Shark -> shark engine initialization is finished, it lasted 3 ts!
Shark -> SharkExampleJSP ready and waiting ...
INFO: 20 Nov 2011 18:54:20 org.displaytag.filter.ResponseOverrideFilter - Filter
r initialized. Response buffering is enabled
Nov 20, 2011 6:54:23 PM org.apache.coyote.http11.Http11Protocol start
INFO: Starting Coyote HTTP/1.1 on http-8080
Nov 20, 2011 6:54:23 PM org.apache.jk.common.ChannelSocket init
INFO: JK: ajp13 listening on /0.0.0.0:8009
Nov 20, 2011 6:54:23 PM org.apache.jk.server.JkMain start
INFO: Jk running ID=0 time=0/47 config=null
Nov 20, 2011 6:54:23 PM org.apache.catalina.startup.Catalina start
INFO: Server startup in 41400 ms
```



We will reuse the previous training code which is “trainingsessionextjs” project. Simply, copy and paste this folder into the htdocs. Rename it into “trainingsessionextjsjoget”. And don’t forget to add virtual tag in httpd.conf to fulfill clean url . Then restart, zend server.



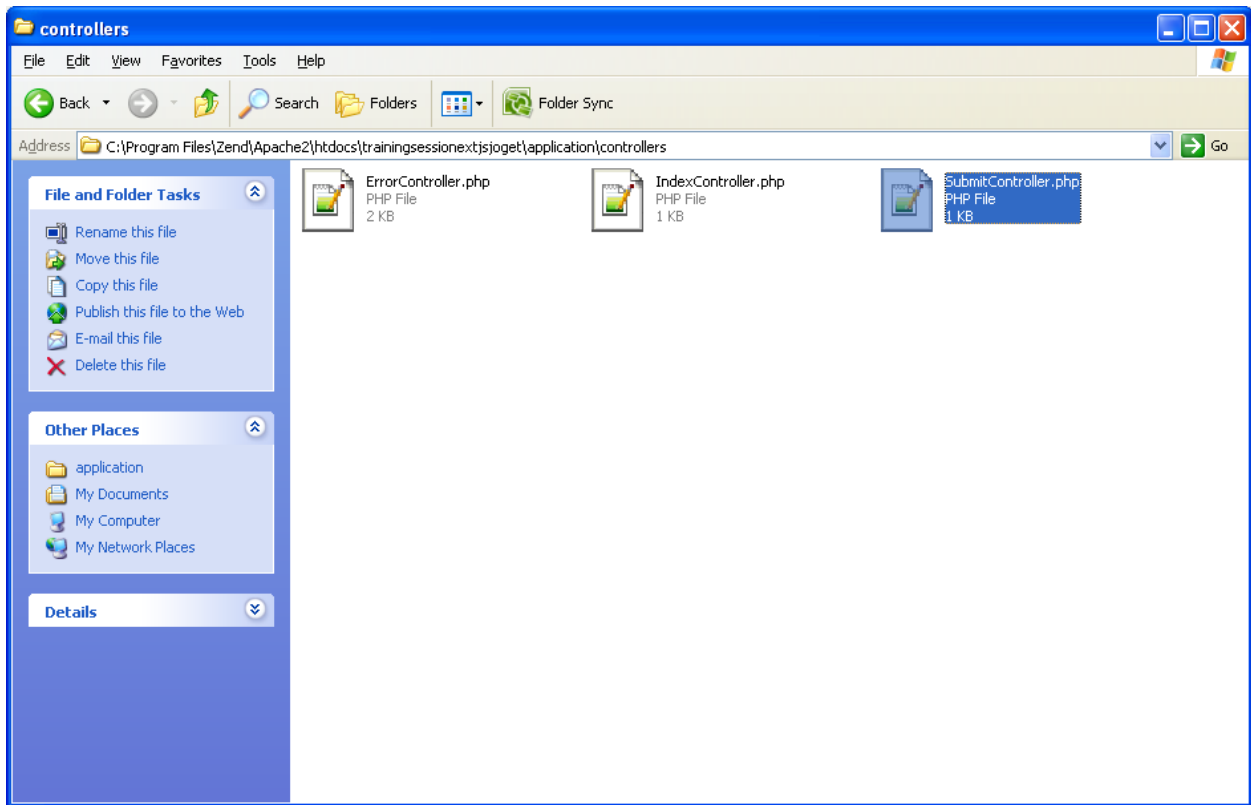
Don't forget either to change url when we submit a request to server. Here is the screenshot.

```
1 var action = Ext.create('Ext.Action', {
2     text: 'Action 1',
3     iconCls: 'icon-add',
4     handler: function() {
5         Ext.Ajax.request({
6             url: "/trainingessionextjsjoget/public/Submit",
7             params: formPanel.getForm().getValues(),
8             method: 'GET',
9             success: function(response, opts) {
10                //standar message box
11                Ext.MessageBox.alert('Status', 'Data saved successfully.');
```

II. Development

1. Create & Accept Process

Now, open file submitController.php, we will edit submit function to integrated with Joget Workflow.



Edit the submit function as shown below.

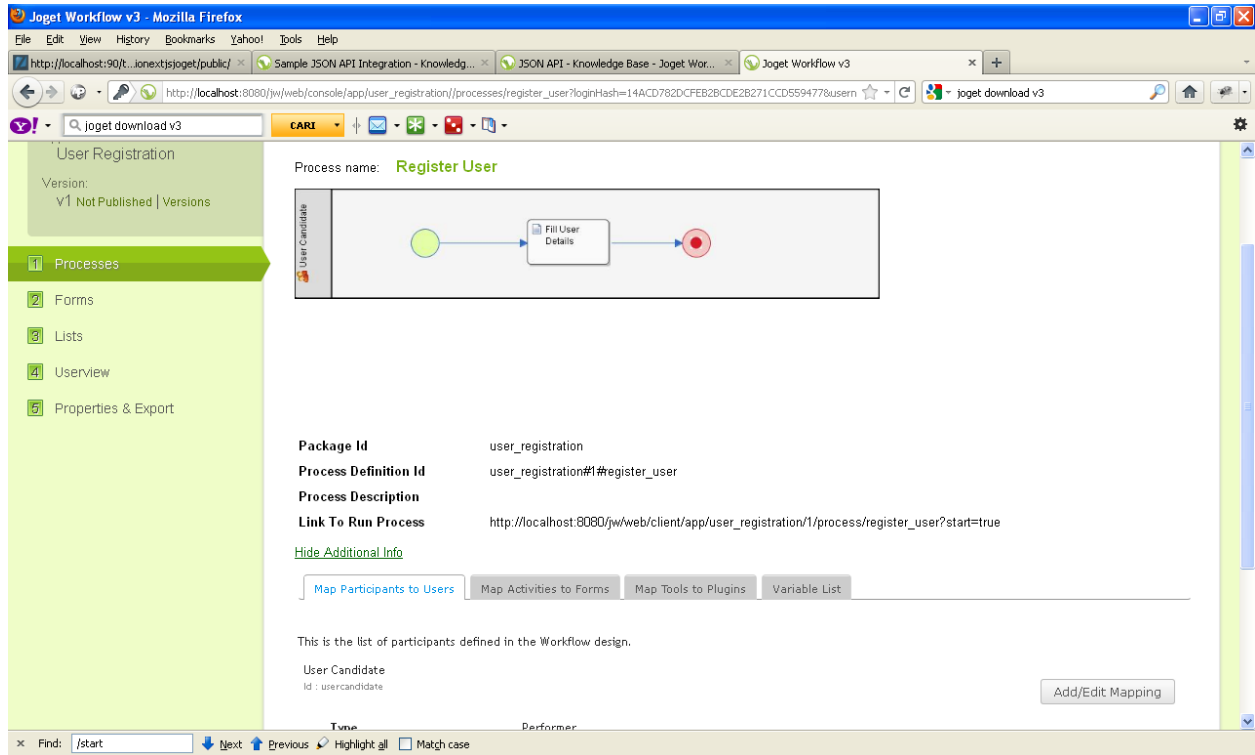
```
1 <?php
2 class SubmitController extends Zend_Controller_Action {
3
4     public function init(){
5
6     }
7
8     public function indexAction(){
9         //override default render path
10        $this->getHelper("viewRenderer")->setNoRender();
11
12        //insert data into database
13        $name = $this->_request->getQuery("name");
14        $address = $this->_request->getQuery("address");
15
16        //integrated with joget workflow
17
18
19
20        return "Data Successfully Saved on Database";
21    }
22 }
```

- Start process

/web/json/workflow/process/start/(*:processId)

Example :

/web/json/workflow/process/start/user_registration:1:register_user?j_username=admin&j_password=admin



- Accept the process

web/json/workflow/assignment/accept/(*:activityId)

example :

/web/json/workflow/assignment/accept/[activity Id which is got from start process result]?j_username=admin&j_password=admin

2. Form Submit

Joget Workflow version 3.0

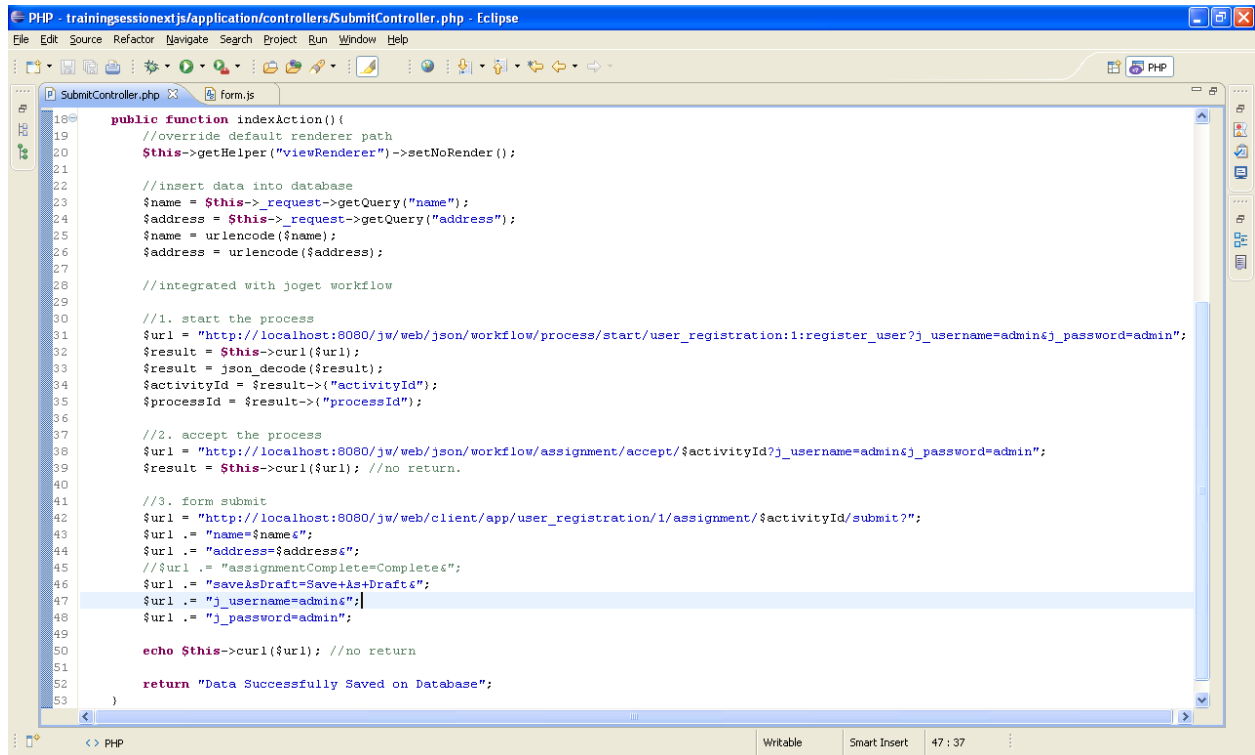
/web/client/app/user_registration/1/assignment/\$activityId/submit? (*:data)

Joget Workflow Older version (see memodinas document for details).

Options :

saveAsDraft = "Save As Draft" (saving the form as a draft)

assignmentComplete="Complete" (saving the form and complete the process)



```
18 public function indexAction(){
19     //override default renderer path
20     $this->getHelper("viewRenderer")->setNoRender();
21
22     //insert data into database
23     $name = $this->_request->getQuery("name");
24     $address = $this->_request->getQuery("address");
25     $name = urlencode($name);
26     $address = urlencode($address);
27
28     //integrated with joget workflow
29
30     //1. start the process
31     $url = "http://localhost:8080/jw/web/json/workflow/process/start/user_registration:1:register_user?j_username=admin&j_password=admin";
32     $result = $this->curl($url);
33     $result = json_decode($result);
34     $activityId = $result->("activityId");
35     $processId = $result->("processId");
36
37     //2. accept the process
38     $url = "http://localhost:8080/jw/web/json/workflow/assignment/accept/$activityId?j_username=admin&j_password=admin";
39     $result = $this->curl($url); //no return.
40
41     //3. form submit
42     $url = "http://localhost:8080/jw/web/client/app/user_registration/1/assignment/$activityId/submit?";
43     $url .= "name=$name&";
44     $url .= "address=$address&";
45     // $url .= "assignmentComplete=Complete&";
46     $url .= "saveAsDraft=Save+As+Draft&";
47     $url .= "j_username=admin&";
48     $url .= "j_password=admin";
49
50     echo $this->curl($url); //no return
51
52     return "Data Successfully Saved on Database";
53 }
```

```
PHP - trainingnextjs/application/controllers/SubmitController.php - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
SubmitController.php form.js PHP
3
4 public function init(){
5
6 }
7
8 public function curl($url){
9     $ch = curl_init($url);
10    curl_setopt($ch, CURLOPT_URL, $url);
11    curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);
12    $result = curl_exec($ch);
13    print_r(curl_getinfo($ch));
14    curl_close($ch);
15    return $result;
16 }
17
18 public function indexAction(){
19     //override default renderer path
20     $this->getHelper("viewRenderer")->setNoRender();
21
22     //insert data into database
23     $name = $this->_request->getQuery("name");
24     $address = $this->_request->getQuery("address");
25     $name = urlencode($name);
26     $address = urlencode($address);
27
28     //integrated with joget workflow
29
30     //1. start the process
31     $url = "http://localhost:8080/jw/web/json/workflow/process/start/user_registration:1:register_user?j_username=admin&j_password=admin";
32     $result = $this->curl($url);
33     $result = json_decode($result);
34     $activityId = $result->("activityId");
35     $processId = $result->("processId");
36
37     //2. accept the process
38     $url = "http://localhost:8080/jw/web/json/workflow/assignment/accept/$activityId?j_username=admin&j_password=admin";

```

Now, you could try to click "action 1", In this screen shot, I use firebug to debug the request.

The screenshot shows a Mozilla Firefox browser window with two tabs: 'Joget Workflow v3'. The address bar shows 'http://localhost:90/trainingnextjsjoget/public/'. The page content displays a form titled 'Action 1' with the following fields: 'Text field: Text field value', 'Password field:', 'File upload: Browse...', 'TextArea: Textarea value', and 'Display field: Display field value'. Below the form is a 'Footer' section. The Firebug console is open, showing a 'GET' request to 'http://localhost:90/trainingnextjsjoget/public/'. The request parameters are: '_dc=1322066913699', 'address=Textarea value', 'date1', 'name=Text field value', 'numberfield1=5', and 'password1'. The console also shows the request size as 8.2 KB and the response size as 8.2 KB.

The result in joget workflow engine.

The screenshot shows the Joget Workflow v3 interface in a Mozilla Firefox browser. The main content area displays a table of processes. The table has the following data:

Process	Activity Name	Date Created	Service Level Mon	Due Date
Register User	Fill User Details	23-11-2011 04:48 PM	-	-
Register User	Fill User Details	23-11-2011 03:24 PM	-	-
Register User	Fill User Details	23-11-2011 03:23 PM	-	-
Proposal Approval Pr	Approve Proposal	23-11-2011 03:23 PM	-	-

Below the table, there is a pagination control showing "Page 1 of 1" and "Displaying 1 to 4 of 4 items". There are also buttons for "Embed Code" and "RSS".

The screenshot shows the Joget Workflow v3 interface with a modal form open. The form is titled "Register User - Fill User Details" and contains the following fields:

- Section**
- Name**: Text field value
- Address**: Textarea value

At the bottom of the form, there are two buttons: "Save As Draft" and "Complete".