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Bean Shell

1.

2.

3.

- 1. ID
- 2.
- 3.
- 4.
- 5.

4.

5./ API

6.

Joget Workflow Source Code

Macbook Pro:Joget5.0.1

```
- Home
- joget
  - plugins
  - jw-community
    -5.0.1
```

```
""jw-community"Joget Workflow
```

```
"plugins"maven
```

```
cd joget/plugins/  
~/joget/jw-community/5.0.1/wflow-plugin-archetype/create-plugin.sh org.joget mood_rating 5.0.1
```

```
shellmaven
```

```
Define value for property 'version': 1.0-SNAPSHOT: : 5.0.0  
[INFO] Using property: package = org.joget  
Confirm properties configuration:  
groupId: org.joget  
artifactId: mood_rating  
version: 5.0.0  
package: org.joget  
Y: : y
```

```
"BUILD SUCCESS""plugins""mood_rating"
```

```
IDEmaven NetBeans
```

7. Just code it!

a.

```
"org.joget""MoodRatingField"org.joget.apps.form.lib.Radio org.joget.apps.form.lib.Radio org.joget.apps.form.model.Element
```

b.

```
AppPluginUtil.getMessage18nMESSAGE_PATH
```

Implementation of all basic abstract methods

```
package org.joget;

import java.util.Map;
import org.joget.apps.app.service.AppPluginUtil;
import org.joget.apps.app.service.AppUtil;
import org.joget.apps.form.lib.Radio;
import org.joget.apps.form.model.FormBuilderPalette;

public class MoodRatingField extends Radio {

    private final static String MESSAGE_PATH = "message/form/MoodRatingField";

    @Override
    public String getName() {
        return "Mood Rating";
    }

    @Override
    public String getVersion() {
        return "5.0.0";
    }

    @Override
    public String getClassName() {
        return getClass().getName();
    }

    @Override
    public String getFormBuilderCategory() {
        return FormBuilderPalette.CATEGORY_CUSTOM;
    }

    @Override
    public String getLabel() {
        //support i18n
        return AppPluginUtil.getMessage("org.joget.MoodRatingField.pluginLabel", getClassName(), MESSAGE_PATH);
    }

    @Override
    public String getDescription() {
        //support i18n
        return AppPluginUtil.getMessage("org.joget.MoodRatingField.pluginDesc", getClassName(), MESSAGE_PATH);
    }

    @Override
    public String getPropertyOptions() {
        return AppUtil.readPluginResource(getClass().getName(), "/properties/form/moodRatingField.json", null,
true, MESSAGE_PATH);
    }

    @Override
    public String getFormBuilderTemplate() {
        return "<label class='label'>" + getLabel() + "</label>";
    }
}
```

UigetPropertyOptions "/properties/form/moodRatingField.json""mood_rating / src / main""resources / properties / form""properties""moodRatingField.json"

"@@ message.key @@"i18n

```
[{
  title : '@@form.moodRating.config@@',
  properties : [{
    name : 'id',
    label : '@@form.radio.id@@',
    type : 'textfield',
    required : 'True',
    regex_validation : '^[a-zA-Z0-9_]+$',
    validation_message : '@@form.radio.invalidId@@'
  },
  {
    name : 'label',
    label : '@@form.radio.label@@',
    type : 'textfield',
    value : '@@org.joget.MoodRatingField.pluginLabel@@'
  }
  ],
},
{
  title : '@@form.radio.advancedOptions@@',
  properties : [{
    label : '@@form.radio.data@@',
    type : 'header'
  },
  {
    name : 'validator',
    label : '@@form.radio.validator@@',
    type : 'elementselect',
    options_ajax : '[CONTEXT_PATH]/web/property/json/getElements?classname=org.joget.apps.form.model.
FormValidator',
    url : '[CONTEXT_PATH]/web/property/json[APP_PATH]/getPropertyOptions'
  },
  {
    label : '@@form.radio.ui@@',
    type : 'header'
  },
  {
    name : 'readonly',
    label : '@@form.radio.readonly@@',
    type : 'checkbox',
    value : 'False',
    options : [{
      value : 'true',
      label : ''
    }]
  },
  {
    label : '@@form.radio.workflow@@',
    type : 'header'
  },
  {
    name : 'workflowVariable',
    label : '@@form.radio.workflowVariable@@',
    type : 'textfield'
  }
  ]
}]
```

```

@Override
public String renderTemplate(FormData formData, Map dataModel) {
    String template = "moodRatingField.ftl";

    // set value
    String value = FormUtil.getElementPropertyValue(this, formData);
    dataModel.put("value", value);
    String html = FormUtil.generateElementHtml(this, formData, template, dataModel);
    return html;
}

```

renderTemplate "moodRatingField.ftl" "mood_rating / src / main / resources / templates" [FreeMaker](#)

```

<div class="form-cell mood_rating" ${elementMetaData!}>
    <label class="label">${element.properties.label} <span class="form-cell-validator">${decoration}</span><#if
error??> <span class="form-error-message">${error}</span></#if></label>
    <div class="form-cell-value" id="${elementParamName!}${element.properties.elementUniqueKey!}">
    <#if !(request.getAttribute("org.joget.MoodRatingField"))??> >
        <style>
            .mood_rating .tdstyle {text-align:center;width:20%;border:0px none transparent !important;}
        </style>
    </#if>
    <table style="width:150px">
        <tbody>
            <tr>
                <td class="tdstyle"></td>
                <td class="tdstyle"></td>
                <td class="tdstyle"></td>
                <td class="tdstyle"></td>
                <td class="tdstyle"></td>
            </tr>
            <tr>
                <#list ['5', '4', '3', '2', '1'] as i>
                    <td class="tdstyle">
                        <input grouping="${elementParamName!}" id="${elementParamName!}"
name="${elementParamName!}" type="radio" value="${i}" <#if error??>class="form-error-cell"</#if> <#if element.
properties.readonly! == 'true'> disabled</#if> <#if value?? && value == i>checked</#if> />
                        </td>
                </#list>
            </tr>
        </tbody>
    </table>
    </div>
    <div style="clear:both;"></div>
</div>

```

"mood_rating / src / main / resources / resources / image"

c.

d.

getLabelgetDescription18ni18n

"mood_rating / src / main" "resources / message / form" "MoodRatingField.properties"

```
org.joget.MoodRatingField.pluginLabel=Mood Rating
org.joget.MoodRatingField.pluginDesc=Form Field for rating mood
form.moodRating.config=Edit Mood Rating
```

e. Felix

ActivatorFelix

```
public void start(BundleContext context) {
    registrationList = new ArrayList<ServiceRegistration>();
    //Register plugin here
    registrationList.add(context.registerService(MoodRatingField.class.getName(), new MoodRatingField(),
null));
}
```

f.

"mood_rating / target" "mood_rating-5.0.0.jar"

jar jar

Filter by Type Form Element				
<input type="checkbox"/>	Plugin Name	Plugin Description	Plugin Version	
<input type="checkbox"/>	Mood Rating	Form Field for rating mood	5.0.0	
<input type="checkbox"/>	Multi Paged Form		5.0.0	
<input type="checkbox"/>	Multi Paged Form - Child P		5.0.0	
<input type="checkbox"/>	MWP-15-K-0		5.0.0	



..

Property Editor

Edits

Edit Mood Rating

Edit Mood Rating > Advanced Options

ID *

field?

Label

Mood Rating

< Prev

Next >

OK

Cancel

Advanced Options

Edit Mood Rating > Advanced Options

Data

Validator

UI

Readonly

Workflow

Workflow Variable

< Prev

Next >

OK

Cancel

Account Details

Drag This Column

Account ID *

Account Name *

Mood Rating

Account Details

Account ID *

Account Name *

Mood Rating

Address Details

Address

City

State

Country

8.

[mood_rating_src.zip](#)

[jar](#)<http://marketplace.joget.org/>