

How to Embed XForm into a separate OpenMRS module UI

Make these changes for the JSP

```
<%@ include file="/WEB-INF/template/include.jsp"%>
<%@ include file="/WEB-INF/template/header.jsp"%>

<%@ include file="template/localHeader.jsp"%>

<openmrs:htmlInclude file="/moduleResources/xforms/formrunner/FormRunner.nocache.js"/>

<div id="main-wrap">
  <div id="sidebar">
    <div>
      <div id="purcformrunner"></div>

      <div id="formId" style="visibility:hidden;">${formId}</div>
      <div id="patientId" style="visibility:hidden;">${patientId}</div>

      <div id="dateTimeSubmitFormat" style="visibility:hidden;">${dateTimeSubmitFormat}</div>
      <div id="dateTimeDisplayFormat" style="visibility:hidden;">${dateTimeDisplayFormat}</div>

      <div id="dateSubmitFormat" style="visibility:hidden;">${dateSubmitFormat}</div>
      <div id="dateDisplayFormat" style="visibility:hidden;">${dateDisplayFormat}</div>

      <div id="entityIdName" style="visibility:hidden;">patientId</div>
      <div id="formIdName" style="visibility:hidden;">formId</div>

      <div id="entityFormDefDownloadUrlSuffix" style="visibility:hidden;"
>${entityFormDefDownloadUrlSuffix}</div>
      <div id="formDataUploadUrlSuffix" style="visibility:hidden;">${formDataUploadUrlSuffix}</div>
      <div id="afterSubmitUrlSuffix" style="visibility:hidden;">${afterSubmitUrlSuffix}</div>
      <div id="afterCancelUrlSuffix" style="visibility:hidden;">${afterCancelUrlSuffix}</div>
      <div id="externalSourceUrlSuffix" style="visibility:hidden;">moduleServlet/xforms
/widgetValueDownload?</div>
      <div id="multimediaUrlSuffix" style="visibility:hidden;">moduleServlet/xforms/multimediaDownload<
/div>

      <div id="defaultFontFamily" style="visibility:hidden;">${defaultFontFamily}</div>
      <div id="defaultFontSize" style="visibility:hidden;">${defaultFontSize}</div>
      <div id="defaultGroupBoxHeaderBgColor" style="visibility:hidden;">${defaultGroupBoxHeaderBgColor}<
/div>

      <div id="appendEntityIdAfterSubmit" style="visibility:hidden;">1</div>
      <div id="appendEntityIdAfterCancel" style="visibility:hidden;">1</div>

      <div id="timeSubmitFormat" style="visibility:hidden;">${timeSubmitFormat}</div>
      <div id="timeDisplayFormat" style="visibility:hidden;">${timeDisplayFormat}</div>

      <div id="showSubmitSuccessMsg" style="visibility:hidden;">${showSubmitSuccessMsg}</div>

      <div id="localeKey" style="visibility:hidden;">${localeKey}</div>
      <div id="decimalSeparators" style="visibility:hidden;">${decimalSeparators}</div>
      <div id="formatXml" style="visibility:hidden;">${formatXml}</div>

    </div>
  </div>
</div>

<script language="javascript">

var searchElement;
var conceptSearchElement;
var providerSearchElement;
var locationSearchElement;
var personSearchElement;
var options;

var PurcformsText = {
```

```
file: "<spring:message code="xforms.file" />",
view: "<spring:message code="xforms.view" />",
item: "<spring:message code="xforms.item" />",
tools: "<spring:message code="xforms.tools" />",
help: "<spring:message code="xforms.help" />",
newItem: "<spring:message code="xforms.newItem" />",
open: "<spring:message code="xforms.open" />",
save: "<spring:message code="xforms.save" />",
saveAs: "<spring:message code="xforms.saveAs" />",

openLayout: "<spring:message code="xforms.foropenLayoutms" />",
saveLayout: "<spring:message code="xforms.saveLayout" />",
openLanguageText: "<spring:message code="xforms.openLanguageText" />",
saveLanguageText: "<spring:message code="xforms.saveLanguageText" />",
close: "<spring:message code="xforms.close" />",

refresh: "<spring:message code="xforms.refresh" />",
addNew: "<spring:message code="xforms.addNew" />",
addNewChild: "<spring:message code="xforms.addNewChild" />",
deleteSelected: "<spring:message code="xforms.deleteSelected" />",
moveUp: "<spring:message code="xforms.moveUp" />",
moveDown: "<spring:message code="xforms.moveDown" />",
cut: "<spring:message code="xforms.cut" />",
copy: "<spring:message code="xforms.copy" />",
paste: "<spring:message code="xforms.paste" />",

format: "<spring:message code="xforms.format" />",
languages: "<spring:message code="xforms.languages" />",
options: "<spring:message code="xforms.options" />",

helpContents: "<spring:message code="xforms.helpContents" />",
about: "<spring:message code="xforms.about" />",

forms: "<spring:message code="xforms.forms" />",
widgetProperties: "<spring:message code="xforms.widgetProperties" />",
properties: "<spring:message code="xforms.properties" />",
xformsSource: "<spring:message code="xforms.xformsSource" />",
designSurface: "<spring:message code="xforms.designSurface" />",
layoutXml: "<spring:message code="xforms.layoutXml" />",
languageXml: "<spring:message code="xforms.languageXml" />",
preview: "<spring:message code="xforms.preview" />",
modelXml: "<spring:message code="xforms.modelXml" />",

text: "<spring:message code="xforms.text" />",
helpText: "<spring:message code="xforms.helpText" />",
type: "<spring:message code="xforms.type" />",
binding: "<spring:message code="xforms.binding" />",
visible: "<spring:message code="xforms.visible" />",
enabled: "<spring:message code="xforms.enabled" />",
locked: "<spring:message code="xforms.locked" />",
required: "<spring:message code="xforms.required" />",
defaultValue: "<spring:message code="xforms.defaultValue" />",
descriptionTemplate: "<spring:message code="xforms.descriptionTemplate" />",

language: "<spring:message code="xforms.language" />",
skipLogic: "<spring:message code="xforms.skipLogic" />",
validationLogic: "<spring:message code="xforms.validationLogic" />",
dynamicLists: "<spring:message code="xforms.dynamicLists" />",

valuesFor: "<spring:message code="xforms.valuesFor" />",
whenAnswerFor: "<spring:message code="xforms.whenAnswerFor" />",
isEqualTo: "<spring:message code="xforms.isEqualTo" />",
forQuestion: "<spring:message code="xforms.forQuestion" />",
enable: "<spring:message code="xforms.enable" />",
disable: "<spring:message code="xforms.disable" />",
show: "<spring:message code="xforms.show" />",
hide: "<spring:message code="xforms.hide" />",
makeRequired: "<spring:message code="xforms.makeRequired" />",

when: "<spring:message code="xforms.when" />",
ofTheFollowingApply: "<spring:message code="xforms.ofTheFollowingApply" />",
```

```
all: "<spring:message code="xforms.all" />",
any: "<spring:message code="xforms.any" />",
none: "<spring:message code="xforms.none" />",
notAll: "<spring:message code="xforms.notAll" />",

addNewCondition: "<spring:message code="xforms.addNewCondition" />",

isEqualTo: "<spring:message code="xforms.isEqualTo" />",
isNotEqual: "<spring:message code="xforms.isNotEqual" />",
isLessThan: "<spring:message code="xforms.isLessThan" />",
isLessThanOrEqualTo: "<spring:message code="xforms.isLessThanOrEqualTo" />",
isGreaterThan: "<spring:message code="xforms.isGreaterThan" />",
isGreaterThanOrEqualTo: "<spring:message code="xforms.isGreaterThanOrEqualTo" />",
isNull: "<spring:message code="xforms.isNull" />",
isNotNull: "<spring:message code="xforms.isNotNull" />",
isInList: "<spring:message code="xforms.isInList" />",
isNotInList: "<spring:message code="xforms.isNotInList" />",
startsWith: "<spring:message code="xforms.startsWith" />",
doesNotStartWith: "<spring:message code="xforms.doesNotStartWith" />",
endsWith: "<spring:message code="xforms.endsWith" />",
doesNotEndWith: "<spring:message code="xforms.doesNotEndWith" />",
contains: "<spring:message code="xforms.contains" />",
doesNotContain: "<spring:message code="xforms.doesNotContain" />",
isBetween: "<spring:message code="xforms.isBetween" />",
isNotBetween: "<spring:message code="xforms.isNotBetween" />",

isValidWhen: "<spring:message code="xforms.isValidWhen" />",
errorMessage: "<spring:message code="xforms.errorMessage" />",
question: "<spring:message code="xforms.question" />",

addField: "<spring:message code="xforms.addField" />",
submit: "<spring:message code="xforms.submit" />",
addWidget: "<spring:message code="xforms.addWidget" />",
newTab: "<spring:message code="xforms.newTab" />",
deleteTab: "<spring:message code="xforms.deleteTab" />",
selectAll: "<spring:message code="xforms.selectAll" />",
load: "<spring:message code="xforms.load" />",

label: "<spring:message code="xforms.label" />",
textBox: "<spring:message code="xforms.textBox" />",
checkbox: "<spring:message code="xforms.checkbox" />",
radioButton: "<spring:message code="xforms.radioButton" />",
dropdownList: "<spring:message code="xforms.dropdownList" />",
textArea: "<spring:message code="xforms.textArea" />",
button: "<spring:message code="xforms.button" />",
datePicker: "<spring:message code="xforms.datePicker" />",
groupBox: "<spring:message code="xforms.groupBox" />",
repeatSection: "<spring:message code="xforms.repeatSection" />",
picture: "<spring:message code="xforms.picture" />",
videoAudio: "<spring:message code="xforms.videoAudio" />",
listBox: "<spring:message code="xforms.listBox" />",

deleteWidgetPrompt: "<spring:message code="xforms.deleteWidgetPrompt" />",
deleteTreeItemPrompt: "<spring:message code="xforms.deleteTreeItemPrompt" />",
selectDeleteItem: "<spring:message code="xforms.selectDeleteItem" />",

selectedPage: "<spring:message code="xforms.selectedPage" />",
shouldNotSharePageBinding: "<spring:message code="xforms.shouldNotSharePageBinding" />",
selectedQuestion: "<spring:message code="xforms.selectedQuestion" />",
shouldNotShareQuestionBinding: "<spring:message code="xforms.shouldNotShareQuestionBinding" />",
selectedOption: "<spring:message code="xforms.selectedOption" />",
shouldNotShareOptionBinding: "<spring:message code="xforms.shouldNotShareOptionBinding" />",
newForm: "<spring:message code="xforms.newForm" />",
page: "<spring:message code="xforms.page" />",
option: "<spring:message code="xforms.option" />",
noDataFound: "<spring:message code="xforms.noDataFound" />",

formSaveSuccess: "<spring:message code="xforms.formSaveSuccess" />",
selectSaveItem: "<spring:message code="xforms.selectSaveItem" />",
deleteAllWidgetsFirst: "<spring:message code="xforms.deleteAllWidgetsFirst" />",
deleteAllTabWidgetsFirst: "<spring:message code="xforms.deleteAllTabWidgetsFirst" />",
```

```
cantDeleteAllTabs: "<spring:message code="xforms.cantDeleteAllTabs" />",
noFormId: "<spring:message code="xforms.noFormId" />",
divFound: "<spring:message code="xforms.noFormId" />",
noFormLayout: "<spring:message code="xforms.noFormLayout" />",
formSubmitSuccess: "<spring:message code="xforms.formSubmitSuccess" />",
missingDataNode: "<spring:message code="xforms.missingDataNode" />",

openingForm: "<spring:message code="xforms.openingForm" />",
openingFormLayout: "<spring:message code="xforms.openingFormLayout" />",
savingForm: "<spring:message code="xforms.savingForm" />",
savingFormLayout: "<spring:message code="xforms.savingFormLayout" />",
refreshingForm: "<spring:message code="xforms.refreshingForm" />",
translatingFormLanguage: "<spring:message code="xforms.translatingFormLanguage" />",
savingLanguageText: "<spring:message code="xforms.savingLanguageText" />",
refreshingDesignSurface: "<spring:message code="xforms.refreshingDesignSurface" />",
loadingDesignSurface: "<spring:message code="xforms.loadingDesignSurface" />",
refreshingPreview: "<spring:message code="xforms.refreshingPreview" />",

count: "<spring:message code="xforms.count" />",
clickToPlay: "<spring:message code="xforms.clickToPlay" />",
loadingPreview: "<spring:message code="xforms.loadingPreview" />",
unexpectedFailure: "<spring:message code="xforms.unexpectedFailure" />",
uncaughtException: "<spring:message code="xforms.uncaughtException" />",
causedBy: "<spring:message code="xforms.causedBy" />",
openFile: "<spring:message code="xforms.openFile" />",
saveFileAs: "<spring:message code="xforms.saveFileAs" />",

alignLeft: "<spring:message code="xforms.alignLeft" />",
alignRight: "<spring:message code="xforms.alignRight" />",
alignTop: "<spring:message code="xforms.alignTop" />",
alignBottom: "<spring:message code="xforms.alignBottom" />",
makeSameWidth: "<spring:message code="xforms.makeSameWidth" />",
makeSameHeight: "<spring:message code="xforms.makeSameHeight" />",
makeSameSize: "<spring:message code="xforms.makeSameSize" />",
layout: "<spring:message code="xforms.layout" />",
deleteTabPrompt: "<spring:message code="xforms.deleteTabPrompt" />",

text: "<spring:message code="xforms.text" />",
toolTip: "<spring:message code="xforms.toolTip" />",
childBinding: "<spring:message code="xforms.childBinding" />",
width: "<spring:message code="xforms.width" />",
height: "<spring:message code="xforms.height" />",
left: "<spring:message code="xforms.left" />",
top: "<spring:message code="xforms.top" />",
tabIndex: "<spring:message code="xforms.tabIndex" />",
repeat: "<spring:message code="xforms.repeat" />",
externalSource: "<spring:message code="xforms.externalSource" />",
displayField: "<spring:message code="xforms.displayField" />",
valueField: "<spring:message code="xforms.valueField" />",
fontFamily: "<spring:message code="xforms.fontFamily" />",
foreColor: "<spring:message code="xforms.foreColor" />",
fontWeight: "<spring:message code="xforms.fontWeight" />",
fontStyle: "<spring:message code="xforms.fontStyle" />",
fontSize: "<spring:message code="xforms.fontSize" />",
textDecoration: "<spring:message code="xforms.textDecoration" />",
textAlign: "<spring:message code="xforms.textAlign" />",
backgroundColor: "<spring:message code="xforms.backgroundColor" />",
borderStyle: "<spring:message code="xforms.borderStyle" />",
borderWidth: "<spring:message code="xforms.borderWidth" />",
borderColor: "<spring:message code="xforms.borderColor" />",
aboutMessage: "<spring:message code="xforms.aboutMessage" />",
more: "<spring:message code="xforms.more" />",
requiredErrorMsg: "<spring:message code="xforms.requiredErrorMsg" />",
questionTextDesc: "<spring:message code="xforms.questionTextDesc" />",
questionDescDesc: "<spring:message code="xforms.questionDescDesc" />",
questionIdDesc: "<spring:message code="xforms.questionIdDesc" />",
defaultValDesc: "<spring:message code="xforms.defaultValDesc" />",
questionTypeDesc: "<spring:message code="xforms.questionTypeDesc" />",
qtnTypeText: "<spring:message code="xforms.qtnTypeText" />",
qtnTypeNumber: "<spring:message code="xforms.qtnTypeNumber" />",
qtnTypeDecimal: "<spring:message code="xforms.qtnTypeDecimal" />",
```

```
qtnTypeDate: "<spring:message code="xforms.qtnTypeDate" />",
qtnTypeTime: "<spring:message code="xforms.qtnTypeTime" />",
qtnTypeDateTime: "<spring:message code="xforms.qtnTypeDateTime" />",
qtnTypeBoolean: "<spring:message code="xforms.qtnTypeBoolean" />",
qtnTypeSingleSelect: "<spring:message code="xforms.qtnTypeSingleSelect" />",
qtnTypeMultSelect: "<spring:message code="xforms.qtnTypeMultSelect" />",
qtnTypeRepeat: "<spring:message code="xforms.qtnTypeRepeat" />",
qtnTypePicture: "<spring:message code="xforms.qtnTypePicture" />",
qtnTypeVideo: "<spring:message code="xforms.qtnTypeVideo" />",
qtnTypeAudio: "<spring:message code="xforms.qtnTypeAudio" />",
qtnTypeSingleSelectDynamic: "<spring:message code="xforms.qtnTypeSingleSelectDynamic" />",
deleteCondition: "<spring:message code="xforms.deleteCondition" />",
addCondition: "<spring:message code="xforms.addCondition" />",
value: "<spring:message code="xforms.value" />",
questionValue: "<spring:message code="xforms.questionValue" />",
and: "<spring:message code="xforms.and" />",
deleteItemPrompt: "<spring:message code="xforms.deleteItemPrompt" />",
changeWidgetTypePrompt: "<spring:message code="xforms.changeWidgetTypePrompt" />",
removeRowPrompt: "<spring:message code="xforms.removeRowPrompt" />",
remove: "<spring:message code="xforms.remove" />",
browse: "<spring:message code="xforms.browse" />",
clear: "<spring:message code="xforms.clear" />",
deleteItem: "<spring:message code="xforms.deleteItem" />",
cancel: "<spring:message code="xforms.cancel" />",
clickToAddNewCondition: "<spring:message code="xforms.clickToAddNewCondition" />",
qtnTypeGPS: "<spring:message code="xforms.qtnTypeGPS" />",
qtnTypeBarcode: "<spring:message code="xforms.qtnTypeBarcode" />",
qtnTypeGroup: "<spring:message code="xforms.qtnTypeGroup" />",
palette: "<spring:message code="xforms.palette" />",
saveAsXhtml: "<spring:message code="xforms.saveAsXhtml" />",
groupWidgets: "<spring:message code="xforms.groupWidgets" />",
action: "<spring:message code="xforms.action" />",
submitting: "<spring:message code="xforms.submitting" />",
authenticationPrompt: "<spring:message code="xforms.authenticationPrompt" />",
invalidUser: "<spring:message code="xforms.invalidUser" />",
login: "<spring:message code="xforms.login" />",
userName: "<spring:message code="xforms.userName" />",
password: "<spring:message code="xforms.password" />",
noSelection: "<spring:message code="xforms.noSelection" />",
cancelFormPrompt: "<spring:message code="xforms.cancelFormPrompt" />",
print: "<spring:message code="xforms.print" />",
yes: "<spring:message code="xforms.yes" />",
no: "<spring:message code="xforms.no" />",
searchServer: "<spring:message code="xforms.searchServer" />",
recording: "<spring:message code="xforms.recording" />",
search: "<spring:message code="xforms.search" />",
processingMsg: "<spring:message code="xforms.processingMsg" />",
length: "<spring:message code="xforms.length" />",
clickForOtherQuestions: "<spring:message code="xforms.clickForOtherQuestions" />",
ok: "<spring:message code="xforms.ok" />",
undo: "<spring:message code="xforms.undo" />",
redo: "<spring:message code="xforms.redo" />",
loading: "<spring:message code="xforms.loading" />",
allQuestions: "<spring:message code="xforms.allQuestions" />",
selectedQuestions: "<spring:message code="xforms.selectedQuestions" />",
otherQuestions: "<spring:message code="xforms.otherQuestions" />",
wrongFormat: "<spring:message code="xforms.wrongFormat" />",
timeWidget: "<spring:message code="xforms.timeWidget" />",
dateTimeWidget: "<spring:message code="xforms.dateTimeWidget" />",
lockWidgets: "<spring:message code="xforms.lockWidgets" />",
unlockWidgets: "<spring:message code="xforms.unlockWidgets" />",
changeWidgetH: "<spring:message code="xforms.changeWidgetH" />",
changeWidgetV: "<spring:message code="xforms.changeWidgetV" />",
changeToTextBoxWidget: "<spring:message code="xforms.changeToTextBoxWidget" />",
saveAsPurcForm: "<spring:message code="xforms.saveAsPurcForm" />",
localeChangePrompt: "<spring:message code="xforms.localeChangePrompt" />",
javaScriptSource: "<spring:message code="xforms.javaScriptSource" />",
calculation: "<spring:message code="xforms.calculation" />",
id: "<spring:message code="xforms.id" />",
formKey: "<spring:message code="xforms.formKey" />",
logo: "<spring:message code="xforms.logo" />",
```

```

filterField: "<spring:message code="xforms.filterField" />",
table: "<spring:message code="xforms.table" />",
horizontalLine: "<spring:message code="xforms.horizontalLine" />",
verticalLine: "<spring:message code="xforms.verticalLine" />",
addRowsBelow: "<spring:message code="xforms.addRowsBelow" />",
addRowsAbove: "<spring:message code="xforms.addRowsAbove" />",
addColumnsRight: "<spring:message code="xforms.addColumnsRight" />",
addColumnsLeft: "<spring:message code="xforms.addColumnsLeft" />",
numberOfRowsPrompt: "<spring:message code="xforms.numberOfRowsPrompt" />",
numberOfColumnsPrompt: "<spring:message code="xforms.numberOfColumnsPrompt" />",
deleteColumn: "<spring:message code="xforms.deleteColumn" />",
deleteRow: "<spring:message code="xforms.deleteRow" />",
repeatChildDataNodeNotFound: "<spring:message code="xforms.repeatChildDataNodeNotFound" />",
selectedFormField: "<spring:message code="xforms.selectedFormField" />",
edit: "<spring:message code="xforms.edit" />",
find: "<spring:message code="xforms.find" />",
css: "<spring:message code="xforms.css" />",
bold: "<spring:message code="xforms.bold" />",
italic: "<spring:message code="xforms.italic" />",
underline: "<spring:message code="xforms.underline" />",
mergeCells: "<spring:message code="xforms.mergeCells" />"
};

function initialize(){
}

function isUserAuthenticated(){
    DWRXformsService.isAuthenticated(checkIfLoggedInCallback);
}

function authenticateUser(username, password){
    DWRXformsService.authenticate(username,password,checkIfLoggedInCallback);
}

function checkIfLoggedInCallback(isLoggedIn) {
    authenticationCallback(isLoggedIn);
}

</script>

<%@ include file="/WEB-INF/template/footer.jsp"%>

```

Make these changes for the Controller class of that respective JSP

```

/**
 * The contents of this file are subject to the OpenMRS Public License
 * Version 1.0 (the "License"); you may not use this file except in
 * compliance with the License. You may obtain a copy of the License at
 * http://license.openmrs.org
 *
 * Software distributed under the License is distributed on an "AS IS"
 * basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the
 * License for the specific language governing rights and limitations
 * under the License.
 *
 * Copyright (C) OpenMRS, LLC. All Rights Reserved.
 */
package org.openmrs.module.patientnarratives.web.controller;

import java.util.HashMap;
import java.util.Map;

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

import org.apache.commons.logging.Log;
import org.apache.commons.logging.LogFactory;
import org.openmrs.Encounter;
import org.openmrs.Form;
import org.openmrs.api.FormService;
import org.openmrs.api.context.Context;
import org.springframework.validation.BindException;
import org.springframework.validation.Errors;
import org.springframework.web.servlet.ModelAndView;
import org.springframework.web.servlet.mvc.SimpleFormController;
import org.springframework.web.servlet.view.RedirectView;

/**
 * Provides browser based XForm data entry services.
 *
 * @author Daniel
 */
public class PatientNarrativesSubmitController extends SimpleFormController{

    /** Logger for this class and subclasses */
    protected final Log log = LogFactory.getLog(getClass());

    @Override
    protected Map referenceData(HttpServletRequest request, Object obj, Errors err) throws Exception {
        HashMap<String, Object> map = new HashMap<String, Object>();

        Integer formId = 1; //Integer.parseInt(request.getParameter("formId"));
        map.put("formId", formId);
        map.put("patientId", 2); // Integer.parseInt(request.getParameter("patientId"));
        map.put("formName", ((FormService)Context.getService(FormService.class)).getForm(formId).getName());
        map.put("entityFormDefDownloadUrlSuffix", "moduleServlet/xforms/xformDownload?
target=xformentry&contentType=xml&");
        map.put("formDataUploadUrlSuffix", "module/xforms/xformDataUpload.form");
        map.put("afterSubmitUrlSuffix", "patientDashboard.form?");

        return map;
    }

    @Override
    protected Object formBackingObject(HttpServletRequest request) throws Exception {

        return "Not Yet";
    }
}

```