

How to Embed HTML Form (generated by HTML Form Entry module) in a custom module

This guide is targeted for openmrs developers who are looking to Embed HTML Form Entry module generated Form into a Separate OpenMRS module view/jsp

Something look like this: -->

Actually we need only two files to get things done:

1. `HtmlFormEntryController.java`: <https://github.com/openmrs/openmrs-module-htmlformentry/blob/master/omod/src/main/java/org/openmrs/module/htmlformentry/web/controll/HtmlFormEntryController.java>

But to backup the HTML form entry dependent files, you have to add the HTML form entry API maven dependency into the POM

```
<properties>
...
  <htmlformentryModuleVersion>2.1.1</htmlformentryModuleVersion>
...
</properties>

  <dependency>
    <groupId>org.openmrs.module</groupId>
    <artifactId>htmlformentry-api</artifactId>
    <version>${htmlformentryModuleVersion}</version>
    <scope>provided</scope>
  </dependency>
```

2. `htmlFormEntry.jsp`: <https://github.com/openmrs/openmrs-module-htmlformentry/blob/master/omod/src/main/webapp/htmlFormEntry.jsp>

Notice the `${command.htmlToDisplay} <!-- THIS is where the Magic happens: Rendering the HTML form and displaying on this particular Div --%>`

```
package org.openmrs.module.patientnarratives.web.controller;
import java.io.PrintWriter;
import java.io.StringWriter;
import java.util.Collections;
import java.util.List;
import javax.servlet.http.HttpServletRequest;
import org.apache.commons.logging.Log;
import org.apache.commons.logging.LogFactory;
import org.openmrs.Encounter;
import org.openmrs.Form;
import org.openmrs.Patient;
import org.openmrs.api.context.Context;
import org.openmrs.module.htmlformentry.BadFormDesignException; // <----- these imports will be taken after
you update the maven dependencies in POM
import org.openmrs.module.htmlformentry.FormEntryContext.Mode;
import org.openmrs.module.htmlformentry.FormEntrySession;
import org.openmrs.module.htmlformentry.FormSubmissionError;
import org.openmrs.module.htmlformentry.HtmlForm;
import org.openmrs.module.htmlformentry.HtmlFormEntryUtil;
import org.openmrs.module.htmlformentry.ValidationException;
import org.openmrs.util.OpenmrsUtil;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.util.StringUtils;
import org.springframework.validation.Errors;
import org.springframework.web.bind.annotation.ModelAttribute;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMethod;
import org.springframework.web.bind.annotation.RequestParam;
import org.springframework.web.servlet.ModelAndView;
```

```

import org.springframework.web.servlet.view.RedirectView;
/**
 * The controller for entering/viewing a form.
 * <p/>
 * Handles {@code htmlFormEntry.form} requests. Renders view {@code htmlFormEntry.jsp}.
 * <p/>
 * TODO: This has a bit too much logic in the onSubmit method. Move that into the FormEntrySession.
 */
@Controller
public class HtmlFormEntryEmbedController {
    protected final Log log = LoggerFactory.getLog(getClass());
    // public final static String closeDialogView = "/module/htmlformentry/closeDialog";
    public final static String FORM_IN_PROGRESS_KEY = "HTML_FORM_IN_PROGRESS_KEY";
    public final static String FORM_IN_PROGRESS_VALUE = "HTML_FORM_IN_PROGRESS_VALUE";
    public final static String FORM_PATH = "/module/patientnarratives/htmlFormEntry";
    @RequestMapping(method=RequestMethod.GET, value=FORM_PATH)
    public void showForm() {
        // Intentionally blank. All work is done in the getFormEntrySession method
    }
    @ModelAttribute("command")
    public FormEntrySession getFormEntrySession(HttpServletRequest request,
        // @RequestParam doesn't pick up query parameters (in the url)
        in a POST, so I'm handling encounterId, modeParam, and which specially
        /*@RequestParam(value="mode", required=false) String modeParam,
        */
        /*@RequestParam(value="encounterId", required=false) Integer
        encounterId,*/
        /*@RequestParam(value="which", required=false) String which,*/
        @RequestParam(value="patientId", required=false) Integer
        patientId,
        /*@RequestParam(value="personId", required=false) Integer
        personId,*/
        @RequestParam(value="formId", required=false) Integer formId,
        @RequestParam(value="htmlformId", required=false) Integer
        htmlFormId,
        @RequestParam(value="returnUrl", required=false) String
        returnUrl,
        @RequestParam(value="formModifiedTimestamp", required=false)
        Long formModifiedTimestamp,
        @RequestParam(value="encounterModifiedTimestamp",
        required=false) Long encounterModifiedTimestamp,
        @RequestParam(value="hasChangedInd", required=false) String
        hasChangedInd) throws Exception {
        long ts = System.currentTimeMillis();
        Mode mode = Mode.VIEW;
        Integer personId = null;
        patientId = 2;
        formId = 3; // <-----this is where you need to mention the FORM ID or HTML Form id in
        below variable
        htmlFormId = 1; //<-----|
        //Integer.parseInt(request.getParameter("formId"));
        if (StringUtils.hasText(request.getParameter("personId"))) {
        // StringUtils.hasText(request.getParameter("personId")) {
        //     personId = Integer.valueOf(request.getParameter("personId"));
        // }
        String modeParam = request.getParameter("mode");
        if ("enter".equalsIgnoreCase(modeParam)) {
            mode = Mode.ENTER;
        }
        else if ("edit".equalsIgnoreCase(modeParam)) {
            mode = Mode.EDIT;
        }
        }
        Patient patient = null;
        Encounter encounter = null;
        Form form = null;
        HtmlForm htmlForm = null;
        if (StringUtils.hasText(request.getParameter("encounterId"))) {
            Integer encounterId = Integer.valueOf(request.getParameter("encounterId"));
            encounter = Context.getEncounterService().getEncounter(encounterId);
            if (encounter == null)
                throw new IllegalArgumentException("No encounter with id=" + encounterId);
            patient = encounter.getPatient();

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        patientId = patient.getPatientId();
        personId = patient.getPersonId();
        if (formId != null) { // I think formId is allowed to differ from encounter.form.id because of
HtmlFormFlowsheet
            form = Context.getFormService().getForm(formId);
            htmlForm = HtmlFormEntryUtil.getService().getHtmlFormByForm(form);
            if (htmlForm == null)
                throw new IllegalArgumentException("No HtmlForm associated with formId " + formId);
        } else {
            form = encounter.getForm();
            htmlForm = HtmlFormEntryUtil.getService().getHtmlFormByForm(encounter.getForm());
            if (htmlForm == null)
                throw new IllegalArgumentException("The form for the specified encounter ( " + encounter.
getForm() + ") does not have an HtmlForm associated with it");
        }
    } else { // no encounter specified
        // get person from patientId/personId (register module uses patientId, htmlformentry uses personId)
        if (patientId != null) {
            personId = patientId;
        }
        if (personId != null) {
            patient = Context.getPatientService().getPatient(personId);
        }
        // determine form
        if (htmlFormId != null) {
            htmlForm = HtmlFormEntryUtil.getService().getHtmlForm(htmlFormId);
        } else if (formId != null) {
            form = Context.getFormService().getForm(formId);
            htmlForm = HtmlFormEntryUtil.getService().getHtmlFormByForm(form);
        }
        if (htmlForm == null) {
            throw new IllegalArgumentException("You must specify either an htmlFormId or a formId for a
valid html form");
        }
        String which = request.getParameter("which");
        if (StringUtils.hasText(which)) {
            if (patient == null)
                throw new IllegalArgumentException("Cannot specify 'which' without specifying a person
/patient");
            List<Encounter> encs = Context.getEncounterService().getEncounters(patient, null, null, null,
Collections.singleton(form), null, null, false);
            if (which.equals("first")) {
                encounter = encs.get(0);
            } else if (which.equals("last")) {
                encounter = encs.get(encs.size() - 1);
            } else {
                throw new IllegalArgumentException("which must be 'first' or 'last'");
            }
        }
    }
}
if (mode != Mode.ENTER && patient == null)
    throw new IllegalArgumentException("No patient with id of personId=" + personId + " or patientId="
+ patientId);
FormEntrySession session = null;
if (mode == Mode.ENTER && patient == null) {
    patient = new Patient();
}
if (encounter != null) {
    session = new FormEntrySession(patient, encounter, mode, htmlForm, request.getSession());
}
else {
    session = new FormEntrySession(patient, htmlForm, request.getSession());
}
if (StringUtils.hasText(returnUrl)) {
    session.setReturnUrl(returnUrl);
}
// Since we're not using a sessionForm, we need to check for the case where the underlying form was
modified while a user was filling a form out
if (formModifiedTimestamp != null) {
    if (!OpenmrsUtil.nullSafeEquals(formModifiedTimestamp, session.getFormModifiedTimestamp())) {
        throw new RuntimeException(Context.getMessageSourceService().getMessage("htmlformentry.error.

```

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formModifiedBeforeSubmission"));
    }
}
// Since we're not using a sessionForm, we need to make sure this encounter hasn't been modified since
the user opened it
if (encounter != null) {
    if (encounterModifiedTimestamp != null && !OpenmrsUtil.nullSafeEquals(encounterModifiedTimestamp,
session.getEncounterModifiedTimestamp())) {
        throw new RuntimeException(Context.getMessageSourceService().getMessage("htmlformentry.error.
encounterModifiedBeforeSubmission"));
    }
}
if (hasChangedInd != null) session.setHasChangedInd(hasChangedInd);
Context.setVolatileUserData(FORM_IN_PROGRESS_KEY, session);
log.info("Took " + (System.currentTimeMillis() - ts) + " ms");
return session;
}
/*
 * I'm using a return type of ModelAndView so I can use RedirectView rather than "redirect:" and preserve
the fact that
 * returnUrl values from the pre-annotated-controller days will have the context path already
 */
@RequestMapping(method=RequestMethod.POST, value=FORM_PATH)
public ModelAndView handleSubmit(@ModelAttribute("command") FormEntrySession session,
Errors errors,
HttpServletRequest request,
Model model) throws Exception {
    try {
        List<FormSubmissionError> validationErrors = session.getSubmissionController().validateSubmission
(session.getContext(), request);
        if (validationErrors != null && validationErrors.size() > 0) {
            errors.reject("Fix errors");
        }
    } catch (Exception ex) {
        log.error("Exception during form validation", ex);
        errors.reject("Exception during form validation, see log for more details: " + ex);
    }
    if (errors.hasErrors()) {
        return new ModelAndView(FORM_PATH, "command", session);
    }
    // no form validation errors, proceed with submission
    session.prepareForSubmit();
    if (session.getContext().getMode() == Mode.ENTER && session.hasPatientTag() && session.getPatient() ==
null
        && (session.getSubmissionActions().getPersonsToCreate() == null || session.
getSubmissionActions().getPersonsToCreate().size() == 0))
        throw new IllegalArgumentException("This form is not going to create an Patient");
    if (session.getContext().getMode() == Mode.ENTER && session.hasEncouterTag() && (session.
getSubmissionActions().getEncountersToCreate() == null || session.getSubmissionActions().
getEncountersToCreate().size() == 0))
        throw new IllegalArgumentException("This form is not going to create an encounter");
    try {
        session.getSubmissionController().handleFormSubmission(session, request);
        HtmlFormEntryUtil.getService().applyActions(session);
        String successView = session.getReturnUrlWithParameters();
        if (successView == null)
            successView = request.getContextPath() + "/patientDashboard.form" + getQueryParameters(request,
session);
        if (StringUtils.hasText(request.getParameter("closeAfterSubmission"))) {
            return new ModelAndView(closeDialogView, "dialogToClose", request.getParameter
("closeAfterSubmission"));
        } else {
            return new ModelAndView(new RedirectView(successView));
        }
    } catch (ValidationException ex) {
        log.error("Invalid input:", ex);
        errors.reject(ex.getMessage());
    } catch (BadFormDesignException ex) {
        log.error("Bad Form Design:", ex);
        errors.reject(ex.getMessage());
    } catch (Exception ex) {

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        log.error("Exception trying to submit form", ex);
        StringWriter sw = new StringWriter();
        ex.printStackTrace(new PrintWriter(sw));
        errors.reject("Exception! " + ex.getMessage() + "<br/>" + sw.toString());
    }
    // if we get here it's because we caught an error trying to submit/apply
    return new ModelAndView(FORM_PATH, "command", session);
}
protected String getQueryParameters(HttpServletRequest request, FormEntrySession formEntrySession) {
    return "?patientId=" + formEntrySession.getPatient().getPersonId();
}
}
}

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

<openmrs:htmlInclude file="${pageContext.request.contextPath}/moduleResources/patientnarratives/css/styles.css"
/>

<%@ page import="net.tanesha.recaptcha.ReCaptcha" %>
<%@ page import="net.tanesha.recaptcha.ReCaptchaFactory" %>

<c:set var="OPENMRS_DO_NOT_SHOW_PATIENT_SET" scope="request" value="true"/>
<c:set var="pageFragment" value="${param.pageFragment != null && param.pageFragment}"/>
<c:set var="inPopup" value="${pageFragment || (param.inPopup != null && param.inPopup)}"/>

<c:if test="${not pageFragment}">
    <c:set var="DO_NOT_INCLUDE_JQUERY" value="true"/>
    <c:choose>
        <c:when test="${inPopup}">
            <%@ include file="/WEB-INF/template/headerMinimal.jsp" %>
        </c:when>
        <c:otherwise>
            <%@ include file="/WEB-INF/template/header.jsp" %>
        </c:otherwise>
    </c:choose>

    <openmrs:htmlInclude file="/dwr/engine.js" />
    <openmrs:htmlInclude file="/dwr/util.js" />
    <openmrs:htmlInclude file="/dwr/interface/DWRHtmlFormEntryService.js" />
    <openmrs:htmlInclude file="/moduleResources/htmlformentry/htmlFormEntry.js" />
    <openmrs:htmlInclude file="/moduleResources/htmlformentry/htmlFormEntry.css" />
    <openmrs:htmlInclude file="/moduleResources/htmlformentry/jquery-ui-1.8.17.custom.css" />
    <openmrs:htmlInclude file="/moduleResources/htmlformentry/jquery-1.4.2.min.js" />
    <script type="text/javascript">
        $j = jQuery.noConflict();
    </script>
    <openmrs:htmlInclude file="/moduleResources/htmlformentry/jquery-ui-1.8.17.custom.min.js" />
</c:if>

<script type="text/javascript">
    var propertyAccessorInfo = new Array();

    // individual forms can define their own functions to execute before a form validation or submission by
    adding them to these lists
    // if any function returns false, no further functions are called and the validation or submission is
    cancelled
    var beforeValidation = new Array(); // a list of functions that will be executed before the validation
    of a form
    var beforeSubmit = new Array(); // a list of functions that will be executed before the submission
    of a form

    // boolean to track whether or not jquery document ready function fired
    var initInd = true;

    // booleans used to track whether we are in the process of submitted or discarding a formk
    var isSubmittingInd = false;
    var isDiscardingInd = false;

    $j(document).ready(function() {

```

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    $('#deleteButton').click(function() {
        // display a "deleting form" message
        $('#confirmDeleteFormPopup').children("center").html('<spring:message code="htmlformentry.
deletingForm"/>');

        // do the post that does the actual delete
        $.post("<c:url value='/module/htmlformentry/deleteEncounter.form'/>",
            {
                encounterId: "${command.encounter.encounterId}",
                htmlFormId: "${command.htmlFormId}",
                returnUrl: "${command.returnUrlWithParameters}",
                reason: $('#deleteReason').val()
            },
            function(data) {
                var url = "${command.returnUrlWithParameters}";
                if (url == null || url == "") {
                    url = "${pageContext.request.contextPath}/patientDashboard.form?patientId=${command.
patient.patientId}";
                }
                window.parent.location.href = url;
            }
        );
    });

    // triggered whenever any input with toggleDim attribute is changed. Currently, only supports
    // checkbox style inputs.
    $('#input[toggleDim]').change(function () {
        var target = $(this).attr("toggleDim");
        if ($(this).is(":checked")) {
            $('#'" + target + "' :input").removeAttr('disabled');
            $('#'" + target).animate({opacity:1.0}, 0);
            restoreContainerInputs($('#'" + target));
        } else {
            $('#'" + target + "' :input").attr('disabled', true);
            $('#'" + target).animate({opacity:0.5}, 100);
            clearContainerInputs($('#'" + target));
        }
    })
    .change();

    // triggered whenever any input with toggleHide attribute is changed. Currently, only supports
    // checkbox style inputs.
    $('#input[toggleHide]').change(function () {
        var target = $(this).attr("toggleHide");
        if ($(this).is(":checked")) {
            $('#'" + target).fadeIn();
            restoreContainerInputs($('#'" + target));
        } else {
            $('#'" + target).hide();
            clearContainerInputs($('#'" + target));
        }
    })
    .change();

    // triggered whenever any input widget on the page is changed
    $(':input').change(function () {
        $('#:input.has-changed-ind').val('true');
    });

    // warn user that his/her changes will be lost if he/she leaves the page
    $(window).bind('beforeunload', function(){
        var hasChangedInd = $('#:input.has-changed-ind').val();
        if (hasChangedInd == 'true' && !isSubmittingInd && !isDiscardingInd) {
            return '<spring:message code="htmlformentry.loseChangesWarning"/>';
        }
    });

    // catch form submit button (not currently used)
    $('#form').submit(function() {
        isSubmittingInd = true;
        return true;
    });

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// catch when button with class submitButton is clicked (currently used)
$j('input.submitButton').click(function() {
    isSubmittingInd = true;
    return true;
});

// catch when discard link clicked
$j('.html-form-entry-discard-changes').click(function() {
    isDiscardingInd = true;
    return true;
});

// indicates this function has completed
initInd = false;

//managing the id of the newly generated id's of dynamicAutocomplete widgets
$j('div .dynamicAutocomplete').each(function(index) {
    var string=((this.id).split("_div",1))+ "_hid";
    if(!$j('#'+string).attr('value'))
        $j('#'+this.id).data("count",0);
    else
        $j('#'+this.id).data("count",parseInt($j('#'+string).attr('value')));
});

//add button for dynamic autocomplete
$j(':button.addConceptButton').click(function() {
    var string=(this.id).replace("_button","");
    var conceptValue=$j('#'+string+'_hid').attr('value')
    if($j('#'+string).css('color')=='green'){
        var divId=string+"_div";
        var spanid=string+'span_'+ $j('#'+divId).data("count");
        var count= $j('#'+divId).data("count");
        $j('#'+divId).data("count",++count);
        $j('#'+string+'_hid').attr('value',$j('#'+divId).data("count"));
        var hidId=spanid+'_hid';
        var v='<span id="'+spanid+'"><br>'+$j('#'+string).val()+'<input id="'+hidId+' " class="
autoCompleteHidden" type="hidden" name="'+hidId+' " value="'+conceptValue+'">';
        var q='<input id="'+spanid+'_button" type="button" value="Remove" onClick="$j
(\'+spanid+\').remove();openmrs.htmlformentry.refresh(this.id)'></span>';
        $j('#'+divId).append(v+q);
        $j('#'+string).val('');
    }
});

// clear toggle container's inputs but saves the input values until form is submitted/validated in case the
user
// re-clicks the trigger checkbox. Note: These "saved" input values will be lost if the form fails
validation on submission.
function clearContainerInputs($container) {
    if (!initInd) {
        $container.find('input:text, input:password, input:file, select, textarea').each( function() {
            $j(this).data('origVal',this.value);
            $j(this).val("");
        });
        $container.find('input:radio, input:checkbox').each( function() {
            if ($j(this).is(":checked")) {
                $j(this).data('origState', 'checked');
                $j(this).removeAttr("checked");
            } else {
                $j(this).data('origState', 'unchecked');
            }
        });
    }
}

// restores toggle container's inputs from the last time the trigger checkbox was unchecked
function restoreContainerInputs($container) {
    if (!initInd) {
        $container.find('input:text, input:password, input:file, select, textarea').each( function() {
            $j(this).val($j(this).data('origVal'));

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    });
    $container.find('input:radio, input:checkbox').each( function() {
        if ($j(this).data('origState') == 'checked') {
            $j(this).attr("checked", "checked");
        } else {
            $j(this).removeAttr("checked");
        }
    });
}
}

var tryingToSubmit = false;

function submitHtmlForm() {
    if (!tryingToSubmit) {
        tryingToSubmit = true;
        DWRHtmlFormEntryService.checkIfLoggedIn(checkIfLoggedInAndErrorsCallback);
    }
}

function findAndHighlightErrors(){
    /* see if there are error fields */
    var containError = false;
    var ary = $j(".autoCompleteHidden");
    $j.each(ary,function(index, value){
        if(value.value == "ERROR"){
            if(!containError){
                alert("<spring:message code='htmlformentry.error.autoCompleteAnswerNotValid'/>");
                var id = value.id;
                id = id.substring(0,id.length-4);
                $j("#"+id).focus();
            }
            containError=true;
        }
    });
    return containError;
}

function findOptionAutoCompleteErrors() {
    /* see if there are errors in option fields */
    var containError = false;
    var ary = $j(".optionAutoCompleteHidden");
    $j.each(ary,function(index, value){
        if(value.value == "ERROR"){
            if(!containError){
                alert("<spring:message code='htmlformentry.error.autoCompleteOptionNotValid'/>");
                var id = value.id;
                id = id.substring(0,id.length-4);
                $j("#"+id).focus();
            }
            containError=true;
        }
    });
    return containError;
}

/*
It seems the logic of showAuthenticateDialog and
findAndHighlightErrors should be in the same callback function.
i.e. only authenticated user can see the error msg of
*/
function checkIfLoggedInAndErrorsCallback(isLoggedIn) {

    var state_beforeValidation=true;

    if (!isLoggedIn) {
        showAuthenticateDialog();
    }else{

        // first call any beforeValidation functions that may have been defined by the html form
        if (beforeValidation.length > 0){

```



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        for (var i=0, l = beforeValidation.length; i < l; i++){
            if (state_beforeValidation){
                var fncn=beforeValidation[i];
                state_beforeValidation=eval(fncn);
            }
            else{
                // forces the end of the loop
                i=l;
            }
        }
    }
}

// only do the validation if all the beforeValidationk functions returned "true"
if (state_beforeValidation){
    var anyErrors = findAndHighlightErrors();
    var optionSelectErrors = findOptionAutoCompleteErrors();

    if (anyErrors || optionSelectErrors) {
        tryingToSubmit = false;
        return;
    }else{
        doSubmitHtmlForm();
    }
}
}

function showAuthenticateDialog() {
    $j('#passwordPopup').show();
    tryingToSubmit = false;
}

function loginThenSubmitHtmlForm() {

    $j('#passwordPopup').hide();
    var username = $j('#passwordPopupUsername').val();
    var password = $j('#passwordPopupPassword').val();
    $j('#passwordPopupUsername').val('');
    $j('#passwordPopupPassword').val('');
    DWRHtmlFormEntryService.authenticate(username, password, submitHtmlForm);
}

function doSubmitHtmlForm() {

    // first call any beforeSubmit functions that may have been defined by the form
    var state_beforeSubmit=true;
    if (beforeSubmit.length > 0){
        for (var i=0, l = beforeSubmit.length; i < l; i++){
            if (state_beforeSubmit){
                var fncn=beforeSubmit[i];
                state_beforeSubmit=fncn();
            }
            else{
                // forces the end of the loop
                i=l;
            }
        }
    }

    // only do the submit if all the beforeSubmit functions returned "true"
    if (state_beforeSubmit){
        var form = document.getElementById('htmlform');
        form.submit();
    }
    tryingToSubmit = false;
}

function handleDeleteButton() {
    $j('#confirmDeleteFormPopup').show();
}

```



```

        <%--|--%>
        <%--<c:if test="{not empty command.encounter}">--%>
            <%--<openmrs:formatDate date="{command.encounter.encounterDatetime}"/> | {command.encounter.
location.name} --%>
            <%--</c:if>--%>
            <%--<c:if test="{empty command.encounter}">--%>
                <%--<spring:message code="htmlformentry.newForm"/>--%>
            <%--</c:if>--%>
            <%--</b>--%>
        <%--</c:if>--%>
    <%--</div>--%>

<c:if test="{command.context.mode != 'VIEW'}">
    <spring:hasBindErrors name="command">
        <spring:message code="fix.error"/>
        <div class="error">
            <c:forEach items="{errors.allErrors}" var="error">
                <spring:message code="{error.code}" text="{error.message}"/><br/>
            </c:forEach>
        </div>
    </spring:hasBindErrors>
</c:if>

<c:if test="{command.context.mode != 'VIEW'}">
    <form id="htmlform" method="post" onSubmit="submitHtmlForm(); return false;">
        <input type="hidden" name="personId" value="{ command.patient.personId }"/>
        <input type="hidden" name="htmlFormId" value="{ command.htmlFormId }"/>
        <input type="hidden" name="formModifiedTimestamp" value="{ command.formModifiedTimestamp }"/>
        <input type="hidden" name="encounterModifiedTimestamp" value="{ command.encounterModifiedTimestamp }"/>
        <c:if test="{not empty command.encounter}">
            <input type="hidden" name="encounterId" value="{ command.encounter.encounterId }"/>
        </c:if>
        <input type="hidden" name="closeAfterSubmission" value="{param.closeAfterSubmission}"/>
        <input type="hidden" name="hasChangedInd" class="has-changed-ind" value="{ command.hasChangedInd }" />
    </c:if>

<c:if test="{command.context.guessingInd == 'true'}">
    <div class="error">
        <spring:message code="htmlformentry.form.reconstruct.warning" />
    </div>
</c:if>

<div id="main-wrap">

    <div id="sidebar">
        <div>

            {command.htmlToDisplay} <%-- THIS is where the Magic happens: Rendering the HTML form and
displaying on this particular Div --%>
        </div>

    </div>
    <div id="content-wrap">
        <div id="info-wrap">
            <center>
                <canvas id="myCanvas" width="400" height="200" style="border:1px solid #000000;">
                    Your browser does not support the HTML5 canvas tag.
                </canvas>
            </center>

        </div>
        <div id="info-wrap">
            </br></br><span>Patient Narrative</span>
            <textarea rows="4" cols="50">
                Describe your narrative here.
            </textarea>
        </div>
    </div>
    <div id="info-wrap">

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        </br></br><span>Upload file (X-ray, reports, etc)</span>
        <input type="file" name="file" id="file" size="40"/>
    </div>
    <div id="info-wrap">
        </br></br>
        <!--<form action="" method="post">--%>
        <%
            ReCaptcha c = ReCaptchaFactory.newReCaptcha("6LdAWuMSAAAAAD3RQXMNBKGI9-10iYjDx_sl0xYy",
"6LdAWuMSAAAAALxWgnM5yRj_tGVRQck4lit8rLHb", false);
            out.print(c.createRecaptchaHtml(null, null));
        %>

        </br>
        <input id="submit" type="button" value="Submit" />
        <!--</form>--%>
    </div>
</div>

</div>

<c:if test="${command.context.mode != 'VIEW'}">
    <div id="passwordPopup" style="position: absolute; z-axis: 1; bottom: 25px; background-color: #ffff00;
border: 2px black solid; display: none; padding: 10px">
        <center>
            <table>
                <tr>
                    <td colspan="2"><b><spring:message code="htmlformentry.loginAgainMessage"/></b></td>
                </tr>
                <tr>
                    <td align="right"><b>Username:</b></td>
                    <td><input type="text" id="passwordPopupUsername"/></td>
                </tr>
                <tr>
                    <td align="right"><b>Password:</b></td>
                    <td><input type="password" id="passwordPopupPassword"/></td>
                </tr>
                <tr>
                    <td colspan="2" align="center"><input type="button" value="Submit" onClick="
loginThenSubmitHtmlForm()"/></td>
                </tr>
            </table>
        </center>
    </div>
</form>
</c:if>

<c:if test="${not empty command.fieldAccessorJavascript}">
    <script type="text/javascript">
        ${command.fieldAccessorJavascript}
    </script>
</c:if>
<c:if test="${not empty command.setLastSubmissionFieldsJavascript || not empty command.
lastSubmissionErrorJavascript}">
    <script type="text/javascript">
        $(document).ready( function() {
            ${command.setLastSubmissionFieldsJavascript}
            ${command.lastSubmissionErrorJavascript}

            $('input[toggleDim]:not(:checked)').each(function () {
                var target = $(this).attr("toggleDim");
                $("#" + target + " :input").attr('disabled', true);
                $("#" + target).animate({opacity:0.5}, 100);
            });

            $('input[toggleDim]:checked').each(function () {
                var target = $(this).attr("toggleDim");
                $("#" + target + " :input").removeAttr('disabled');
                $("#" + target).animate({opacity:1.0}, 0);
            });
        });
    </script>
</c:if>

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    });

    $j('input[toggleHide]:not(:checked)').each(function () {
        var target = $j(this).attr("toggleHide");
        $j("#" + target).hide();
    });

    $j('input[toggleHide]:checked').each(function () {
        var target = $j(this).attr("toggleHide");
        $j("#" + target).fadeIn();
    });

    });
</script>
</c:if>

<c:if test="${!pageFragment}">
    <c:choose>
        <c:when test="${inPopup}">
            <%@ include file="/WEB-INF/template/footerMinimal.jsp" %>
        </c:when>
        <c:otherwise>
            <%@ include file="/WEB-INF/template/footer.jsp" %>
        </c:otherwise>
    </c:choose>
</c:if>
```