

PV230 - cvičení 3 - příklady + postup

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Resource serving

Statically content (images)

Do view.jsp přidat a upravit následující řádky

```
...
<portlet:resourceURL var="detailIconURL" id="<%=ICON_DETAIL %>" cacheability="cacheLevelFull" />
<!-- pridat -->

<c:forEach var="product" items="{products}">
  <c:out value="{product.name}" />  <br> <!-- upravit
-->
</c:forEach>
...
```

Do CatalogConstants přidat

```
public static final String ICON_DETAIL = "/img/detail.png";
```

Dynamický obsah

Do view.jsp přidat

```
<portlet:resourceURL var="queryURL" id="<%= RESOURCE_QUERY %>" />

<script type="text/javascript">
  jQuery(document).ready(function(){
    jQuery('#{ns}query').autocomplete({
      url: "{queryURL}"
    });
  });
</script>
...
<input type="text" name="<%= PARAM_QUERY %>" id="{ns}query" autocomplete="off" > <!-- upravit -->
```

V CatalogPortlet přidat

```

@Override
public void serveResource(ResourceRequest request, ResourceResponse response) throws
PortletException, IOException {
    String resourceID = request.getResourceID();
    if (RESOURCE_QUERY.equals(resourceID)) {
        serveAutocompleteQuery(request, response);
    } else {
        super.serveResource(request, response);
    }
}

private void serveAutocompleteQuery(ResourceRequest request, ResourceResponse response) throws
IOException {
    String searchString = request.getParameter(PARAM_AUTOCOMPLETE_QUERY);
    if (searchString == null) {
        return;
    }
    PrintWriter out = null;
    try {
        response.setContentType("text/plain");
        out = response.getWriter();
        for (ProductDTO p : ServiceProvider.getCatalog().findProducts(searchString)) {
            out.println(p.getName());
        }
    } catch (IOException ex) {
        // log error
    } finally {
        out.close();
    }
}

```

Do CatalogConstants přidat

```

public static final String PARAM_AUTOCOMPLETE_QUERY = "q";
public static final String RESOURCE_QUERY = "query";

```

Meziportletová komunikace - veřejné parametry

Vytvoříme portlet Detail, který bude zobrazovat podrobné informace o produktu.

Vytvoříme package eu.ibacz.pv230.simpleshop.portlet.detail a v něm třídy DetailPortlet a DetailConstants.

DetailPortlet

```

@Override
protected void doView(RenderRequest request, RenderResponse response) throws PortletException,
IOException {
    String productId = request.getParameter(PARAM_PRODUCT_ID);
    if (productId != null) {
        long id = Long.parseLong(productId);
        request.setAttribute(ATTRIBUTE_PRODUCT,
ServiceProvider.getCatalog().getProductById(id));
    }

    PortletRequestDispatcher dispatcher =
        getPortletContext().getRequestDispatcher(JSP_VIEW);
    dispatcher.include(request, response);
}

```

DetailConstants

```

public class DetailConstants extends SimpleShopConstants {
    public static final String JSP_VIEW = "/WEB-INF/jsp/detail/view.jsp";
}

```

Vytvoříme složku /WEB-INF/jsp/detail a v ní jsp stránku s následujícím obsahem

```

<%@include file="../../init.jspf" %>

<f:setBundle basename="content.detail"/>

<%@page import="static eu.ibacz.pv230.simpleshop.portlet.detail.DetailConstants.*" %>

<div id="${ns}detailView">

    <h1><f:message key="ss-msg-product-detail" /></h1>

    <c:choose>
        <c:when test="${product != null}">
            <div>
                <span class="label"><f:message key="ss-msg-name" /></span>
                <span><c:out value="${product.name}" /></span>
            </div>
            <div>
                <span class="label"><f:message key="ss-msg-description" /></span>
                <span><c:out value="${product.description}" /></span>
            </div>
            <div>
                <span class="label"><f:message key="ss-msg-price" /></span>
                <span><c:out value="${product.price}" /></span>
            </div>
        </c:when>
        <c:otherwise>
            <f:message key="ss-msg-no-product-selected" />
        </c:otherwise>
    </c:choose>
</div>

```

Vytvoříme properties soubor detail ve složce content s následujícími klíči

```

javax.portlet.title=Detail
ss-msg-product-detail=Product detail
ss-msg-name=Name
ss-msg-description=Description
ss-msg-price=Price
ss-msg-no-product-selected=No product selected.

```

V portlet.xml přidat Detail portlet a public render parametr

```

<portlet-app ... >

  <portlet>
    <portlet-name>Catalog</portlet-name>
    <portlet-class>eu.ibacz.pv230.simpleshop.portlet.catalog.CatalogPortlet</portlet-class>
    <supports>
      <mime-type>text/html</mime-type>
      <portlet-mode>view</portlet-mode>
    </supports>
    <supported-locale>en</supported-locale>
    <supported-locale>cs</supported-locale>
    <resource-bundle>content.catalog</resource-bundle>
    <supported-public-render-parameter>productId</supported-public-render-parameter>
  </portlet>

  <portlet>
    <portlet-name>Detail</portlet-name>
    <portlet-class>eu.ibacz.pv230.simpleshop.portlet.detail.DetailPortlet</portlet-class>
    <supports>
      <mime-type>text/html</mime-type>
      <portlet-mode>view</portlet-mode>
    </supports>
    <supported-locale>en</supported-locale>
    <supported-locale>cs</supported-locale>
    <resource-bundle>content.detail</resource-bundle>
    <supported-public-render-parameter>productId</supported-public-render-parameter>
  </portlet>

  <default-namespace>http://pv230.ibacz.eu/cv3</default-namespace>
<public-render-parameter>
  <identifier>productId</identifier>
  <name>productId</name>
</public-render-parameter>

</portlet-app>

```

Do liferay-portlet.xml

```

<portlet>
  <portlet-name>Detail</portlet-name>
  <instanceable>true</instanceable>
</portlet>

```

Do liferay-display.xml

```

<portlet id="Detail" />

```

Do catalog/view.jsp přidat

```

<portlet:renderURL var="showDetailURL">
  <portlet:param name="<%= PARAM_PRODUCT_ID %%" value="{product.id}"/>
</portlet:renderURL>
<a href="{showDetailURL}">
  <c:out value="{product.name}"/>  <br>
</a>

```