

PV230 - cvičení 3 - příklady + postup

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Resource serving

Statický obsah (obrázky)

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 %>"/>

<au:script use="au-autocomplete,datasource-io,datasource-function">
  var dataSource = new A.DataSource.IO(
  {
  source: '<portlet:resourceURL id="<%= RESOURCE_QUERY %>"/>'
  }
  );
  var autocomplete = new A.AutoComplete(
  {
  dataSource: dataSource,
  matchKey: 'name',
  schemaType: 'json',
  schema: {
  resultFields: ['name']
  },
  delimChar: ',',
  contentBox: '#<portlet:namespace />drop-down',
  typeAhead: true,
  input: '#<portlet:namespace />query'
  }
  );

  autocomplete.generateRequest = function(query) {
  return {
  request: '&q=' + query
  };
  }

  autocomplete.render();
</au: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/json");
        out = response.getWriter();
        out.print("[");

        Iterator<ProductDTO> it =
ServiceProvider.getCatalog().findProducts(searchString).iterator();
        while (it.hasNext()) {
            ProductDTO p = it.next();
            out.print("[\" + p.getName() + "\"];");
            if (it.hasNext()) {
                out.print(",");
            }
        }
        out.print("]");
    } 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>
```