

## XML

### Listing 3.

/WEB-INF/tradingapp-servlet.xml  
/WEB-INF/jsp/portfolio.jsp

```
/WEB-INF/tradingapp-servlet.xml
<bean id="portfolioController"
      class="com.devx.tradingapp.web.PortfolioController">
    <constructor-arg index="0">
        <ref bean="portfolio"/>
    </constructor-arg>
</bean>

<bean id="portfolio" class="com.devx.tradingapp.business.Portfolio">
    <constructor-arg index="0"><value>100000</value></constructor-arg>
    <constructor-arg index="1">
        <map>
            <entry key="IBM"><value>50</value></entry>
            <entry key="SUNW"><value>300</value></entry>
            <entry key="DELL"><value>200</value></entry>
        </map>
    </constructor-arg>
</bean>
.
.
.

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

<html>
<head><title>Portfolio</title></head>
<body>
<h1>Portfolio</h1>
<b>Cash:</b> <fmt:formatNumber value="${model.cash}" type="currency" />
<br/>
<br/>
<table border="1">
    <tr>
        <td><b>Symbol</b></td>
        <td><b>Company</b></td>
        <td><b>Price</b></td>
        <td><b>Change</b></td>
        <td><b>% Change</b></td>
        <td><b>Shares</b></td>
        <td><b>Open</b></td>
        <td><b>Volume</b></td>
        <td><b>Current Value</b></td>
        <td><b>Gain/Loss</b></td>
    </tr>
    <core:forEach items="${model.portfolioItems}" var="stock">
    <tr>
        <td><str:upperCase><core:out value="${stock.symbol}"/></str:upperCase></td>
        <td><core:out value="${stock.quote.company}"/></td>
        <td><fmt:formatNumber value="${stock.quote.value}" type="currency" /></td>
        <td>
            <core:choose>
                <core:when test="${stock.quote.change >= 0}">
                    <fmt:formatNumber value="${stock.quote.change}" type="currency" />
                </core:when>
                <core:otherwise>
                    <font color="red">
                        <fmt:formatNumber value="${stock.quote.change}" type="currency" />
                    </font>
                </core:otherwise>
            </core:choose>
        </td>
        <td>
            <core:choose>
                <core:when test="${stock.quote.pctChange >= 0}">
                    <fmt:formatNumber value="${stock.quote.pctChange}" type="percent" />
                </core:when>
                <core:otherwise>
                    <font color="red">
                        <fmt:formatNumber value="${stock.quote.pctChange}" type="percent" />
                    </font>
                </core:otherwise>
            </core:choose>
        </td>
    </tr>
    </core:forEach>
</table>
</body>
</html>
```

```
        </core:when>
        <core:otherwise>
            <font color="red">
                <fmt:formatNumber value="${stock.quote.pctChange}" type="percent" />
            </font>
        </core:otherwise>
    </core:choose>
</td>
<td><fmt:formatNumber value="${stock.shares}"/></td>
<td><fmt:formatNumber value="${stock.quote.openPrice}" type="currency" /></td>
<td><fmt:formatNumber value="${stock.quote.volume}"/></td>
<td><fmt:formatNumber value="${stock.currentValue}" type="currency" /></td>
<td>
    <core:choose>
        <core:when test="${stock.gainLoss >= 0}">
            <fmt:formatNumber value="${stock.gainLoss}" type="currency" />
        </core:when>
        <core:otherwise>
            <font color="red">
                <fmt:formatNumber value="${stock.gainLoss}" type="currency" />
            </font>
        </core:otherwise>
    </core:choose>
</td>
</tr>
</core:forEach>
</table>
<br>
<br>
</body>
</html>
```