Excercise 4

Extend application using previously build Service

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1. Objectives

- Extend our application by the newly created Ratings service
- Add the Rating view
- Redeploy the application

2. Add the new Ratings service

2.1. Create new destination

2.2. Change the dev space

Our dev space from previous excercise has to be stopped and we need to start the fiori devspace.

Attribute	Value
Name	Ratings
Type	HTTP
Description	Rating service
URL	https://ratings-srv-srv-busy-oribi-wz.cfapps.eu10.hana.ondemand.com/ (URL of your service from previous exercise)
Proxy Type	Internet
Authentication	NoAuthentication

Table 1. Destination configuration

Parameter	value
HTML5.DynamicDestination	true
WebIDEEnabled	true
WebIDESystem	Ratings
WebIDEUsage	odata_gen

Table 2. Parameters

2.3. Add the Ratings model manifest.json

Add following code to manifest.json under elements Datasources and 'Models'.

manifest.json → Datasources

```json
"ratingsService": {
    "uri": "Ratings/ratings/",
    "type": "OData",
    "settings": {
        "odataVersion": "4.0"
    }
}
```

manifest.json → Models

```json
"ratings": {
    "dataSource": "ratingsService",
    "settings": {
        "synchronizationMode" : "None",
        "updateGroupId" : "myAppUpdateGroup"
    }
}
```

2.4. Add the Ratings model to xs-app.json

Add new route to xs-app.json.

xs-app.json

```json
{
    "authenticationType": "none",
    "csrfProtection": false,
    "source": "^/Ratings/(.*)$",
    "destination": "Ratings",
    "target": "$1"
}
```

2.5. Add content to View

In file View.xml add Form IconTabFilter "Reviews".

View.xml

```xml
<IconTabFilter text="Reviews" id="filter2">
    <content>
    <!-- insert here -->
    </content>
</IconTabFilter>
```

Form for Reviews

```xml
<form:Form id="FormRatings"
    editable="false">
    <form:layout>
        <form:ResponsiveGridLayout
            labelSpanXL="1"
            labelSpanL="1"
            labelSpanM="1"
            labelSpanS="2"
            adjustLabelSpan="false"
            emptySpanXL="0"
            emptySpanL="0"
            emptySpanM="0"
            emptySpanS="0"
            columnsXL="2"
            columnsL="2"
            columnsM="1"
            singleContainerFullSize="false" />
    </form:layout>
    <form:formContainers>
        <form:FormContainer>
            <form:formElements>
                <form:FormElement label="5 stars">
                    <form:fields>
                        <ProgressIndicator class="sapUiSmallMarginBottom" percentValue="{ratings>star5Perc}"
showValue="true" state="Warning" />
                    </form:fields>
                </form:FormElement>
                <form:FormElement label="4 stars">
                    <form:fields>
                        <ProgressIndicator class="sapUiSmallMarginBottom" percentValue="{ratings>star4Perc}"
showValue="true" state="Warning" />
                    </form:fields>
                </form:FormElement>
                <form:FormElement label="3 stars">
                    <form:fields>
                        <ProgressIndicator class="sapUiSmallMarginBottom" percentValue="{ratings>star3Perc}"
showValue="true" state="Warning" />
                    </form:fields>
                </form:FormElement>
                <form:FormElement label="2 stars">
                    <form:fields>
                        <ProgressIndicator class="sapUiSmallMarginBottom" percentValue="{ratings>star2Perc}"
showValue="true" state="Warning" />
                    </form:fields>
                </form:FormElement>
                <form:FormElement label="1 stars">
                    <form:fields>
                        <ProgressIndicator class="sapUiSmallMarginBottom" percentValue="{ratings>star1Perc}"
showValue="true" state="Warning" />
                    </form:fields>
                </form:FormElement>
            </form:formElements>
        </form:FormContainer>
    </form:formContainers>
</form:Form>
<Table id="lineRatingsList" width="auto" items="{path:'ratings>Ratings'}"
noDataText="{i18n>detailLineItemTableNoDataText}" >
    <headerToolbar>
        <Toolbar>
            <Title id="lineItemsTitle1" text="{detailView>/lineItemListTitle}" titleStyle="H3" level="H3"/>
            <content/>
        </Toolbar>
    </headerToolbar>
    <columns>
        <Column>
            <Text text="Name"/>
        </Column>
        <Column minScreenWidth="Tablet" demandPopin="true" hAlign="End">
            <Text text="Rating"/>
        </Column>
    </columns>
    <items>
        <ColumnListItem>
```

```
        <cells>
          <ObjectIdentifier title="{ratings>Name}"/>
          <ObjectIdentifier title="{ratings>Rating}"/>
        </cells>
      </ColumnListItem>
    </items>
  </Table>
```

2.6. Modify Details controller
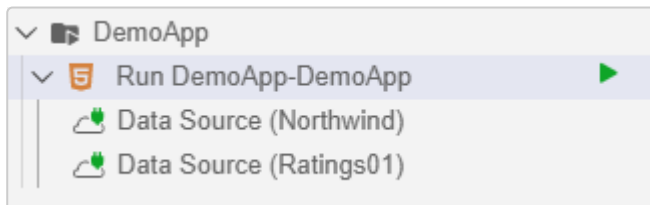
_onBindingChange

```
var sRatingsPath = "ratings>/ProductRatings(" + sObjectId + ")",
    oForm = this.byId("FormRatings"),
    oTable = this.byId("lineRatingsList");

oForm.bindElement(sRatingsPath);

oTable.bindElement({path : sRatingsPath, parameters : {$expand : 'Ratings'}});
```

2.7. Test Configuration

- we need to bind the new service

2.8. Redeploy the app

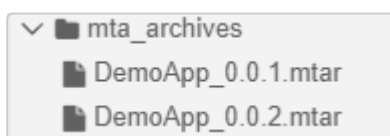Cince we improved our app, let's incrment the version in package.json

package.json

```
"version": "0.0.2"
```

Change the version also in mta-yaml to version: 0.0.2

2.9. Build mta archive

Right click on mta.yaml and click Build MTA
After build completed a new '*.mtar' file with corresponding version will be added to folder 'mta_archives'

2.10. Deploy the App

Right click on the DemoApp_0.0.2.mtar and click on 'Deploy MTA Archive'.
Our app is ready.