

Excercise 3 - Extend application using previously build Service

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1. Objectives

- Add the Ratings service to the application
- Add the Rating view
- Redeploy the application

2. Add the new Ratings service

- We have to
 - create a new Destination for the model
 - change the dev space
 - Add the model to the application

3. New destination

Destination Configuration

Name: *	<input type="text" value="Ratings_srv"/>	Additional Properties		
Type:	<input type="text" value="HTTP"/>	<input type="text" value="HTML5.Dyna..."/>	<input type="text" value="true"/>	
Description:	<input type="text"/>	<input type="text" value="WebIDEEab..."/>	<input type="text" value="true"/>	
URL: *	<input type="text" value="https://ratings-srv-srv-busy-oribi-wz.cfapps.eu10.hana.onde..."/>	<input type="text" value="WebIDESyst..."/>	<input type="text" value="Ratings"/>	
Proxy Type:	<input type="text" value="Internet"/>	<input type="text" value="WebIDEUsage"/>	<input type="text" value="odata_gen"/>	
Authentication:	<input type="text" value="NoAuthentication"/>	<input checked="" type="checkbox"/> Use default JDK truststore		

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4. Change the dev space











- Our dev space from previous exercise has to be stopped and we need to start

Dev Spaces

Create and manage your development environment according to the type of applications you want to develop.
You can add extensions and tools to further enhance your development options.

[Create Dev Space](#)

You are allowed a maximum number of 2 dev spaces, and only 1 can be run at a time.

 fiori SAP Fiori	STOPPED	Created On 07.10.2020 16:56	ID ws- wbp9x	   
 dev SAP Cloud Business Application	RUNNING	Created On 14.09.2020 21:08	ID ws- bbk8w	   

- Destination configuration

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

- Add parameters

HTML5.DynamicDestination	true
WebIDEEnabled	true
WebIDESystem	Ratings
WebIDEUsage	odata_gen

5. Add the Ratings model

- Changes in manifest.json
 - Datasources

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

- Models

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

6. Add the Ratings model

- Changes in xs-app.json
 - Add new route

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


7. Change in Reviews tab

- Changes in IconTabFilter Reviews

```
<IconTabFilter text="Reviews" id="filter2">
  <content>
    ..
  </content>
</IconTabFilter>
```

- Add form and table

```
<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"/>
      </Toolbar>
    </headerToolbar>
  </Table>
```

```
<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>
```

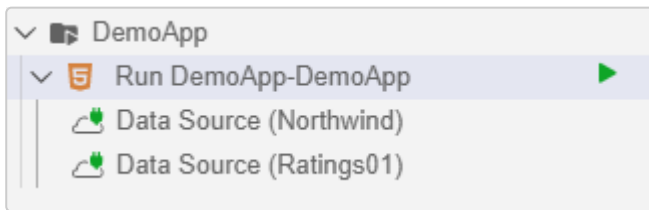
8. Change in Details controller

- Method `_onBindingChange`

```
var sRatingsPath = "ratings>/ProductRatings(" + sObjectId + ")",  
    oForm = this.byId("FormRatings"),  
    oTable = this.byId("lineRatingsList");  
oForm.bindElement(sRatingsPath);  
oTable.bindElement({path : sRatingsPath, parameters : {$expand : 'Ratings'}});
```

9. Test Configuration

- we need to bind the new service



10. Redeploy the app

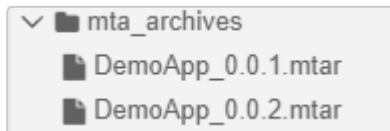
- Change the version in package.json

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

- Change the version in mta-yaml

version: 0.0.2

- Build mta archive
 - Right click on `mta.yaml` and click Build MTA
 - after build multiple versions



- Deploy the App
 - Right click on the `DemoApp_0.0.2.mtar` and Run Deploy MTA Archive

<https://a40506c3trial-dev-demoapp-approuter.cfapps.eu10.hana.ondemand.com/nsDemoApp/index.html> [<https://a40506c3trial-dev-demoapp-approuter.cfapps.eu10.hana.ondemand.com/nsDemoApp/index.html>]