

# 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

Destination Configuration

Name: \* Ratings\_srv  
Type: HTTP  
Description:  
URL: \* https://ratings-srv-srv-busy-oribi-wz.cfapps.eu10.hana.ondemand.com/...  
Proxy Type: Internet  
Authentication: NoAuthentication

Additional Properties  
HTML5.Dyna... true  
WebIDEEnab... true  
WebIDESyst... Ratings  
WebIDEUsage odata\_gen  
☒ Use default JDK truststore

Edit Clone Export Delete Check Connection

### 2.2. Change the dev space











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

#### 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.

|  |                |                                   |                |   |
|--|----------------|-----------------------------------|----------------|---|
|  <b>fiori</b><br>SAP Fiori                    | <b>STOPPED</b> | Created On<br>07.10.2020<br>16:56 | ID<br>ws-wbp9x |     |
|  <b>dev</b><br>SAP Cloud Business Application | <b>RUNNING</b> | Created On<br>14.09.2020<br>21:08 | ID<br>ws-bbk8w |     |

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

Table 1. Destination configuration

| Parameter                | value     |
|--------------------------|-----------|
| HTML5.DynamicDestination | true      |
| WebIDEEEnabled           | 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`

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

`manifest.json` → `Models`

```
"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`

```
{
  "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`

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

## Form for Reviews

```

<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

```

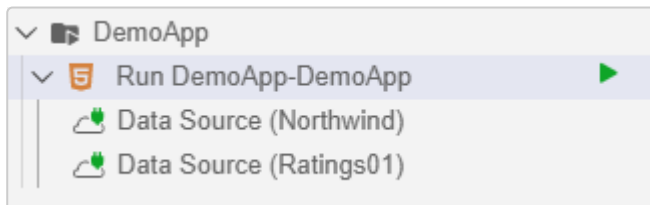
var sRatingsPath = "ratings>/ProductRatings(" + sObjectId + ")",
    oForm = this.byId("FormRatings"),
    oTable = this.byId("lineRatingsList");

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

Since we improved our app, let's increment the version in `package.json`

`package.json`

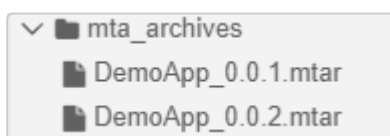
```
"version": "0.0.2"
```

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.