

Exercise 10K –Create Behavior Definition for the Project View and check the corresponding UI.

SAP Partner Workshop



20 min

Description

In this exercise, you'll learn how:

- Create Behavior Definition.

Prerequisites

- You have completed the steps mentioned until Exercise 10J.

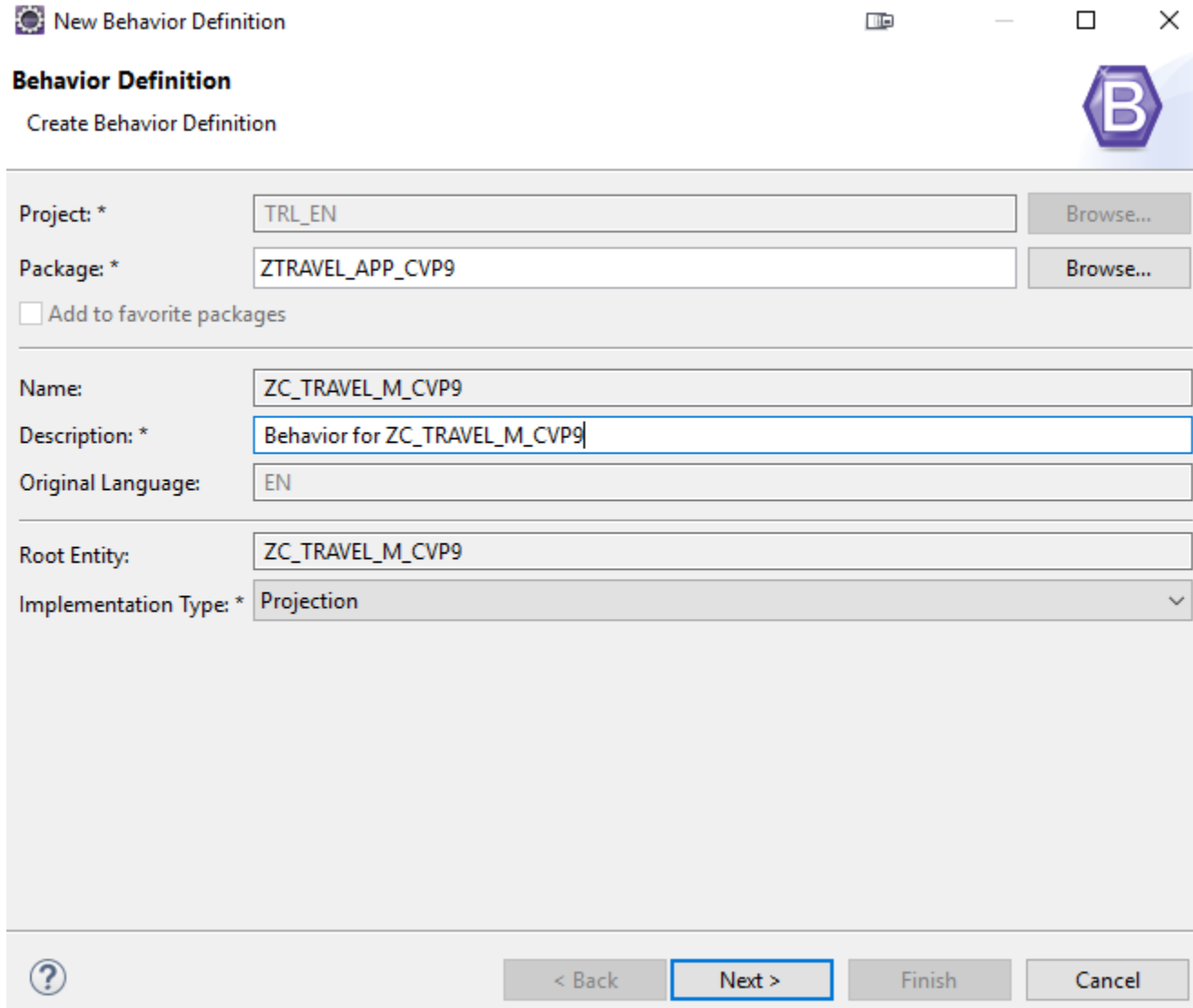
Target group

- Developers
- People interested in learning about development in ABAP env in SAP Cloud Platform with focus on RAP model.

Goal

The goal of this exercise is to create a Behavior Definition for the Project View and check the results on the corresponding UI

Right-click on your data definition ZC_TRAVEL_M_XXX and select **New Behavior Definition**.



The image shows a 'New Behavior Definition' dialog box. At the top, there is a title bar with a gear icon and the text 'New Behavior Definition'. Below the title bar, the text 'Behavior Definition' is displayed in bold, followed by 'Create Behavior Definition' in a smaller font. A large blue hexagonal icon with a white 'B' is positioned on the right side. The main area of the dialog contains several input fields and buttons. The 'Project: *' field is set to 'TRL_EN' with a 'Browse...' button to its right. The 'Package: *' field is set to 'ZTRAVEL_APP_CVP9' with a 'Browse...' button to its right. Below these fields is a checkbox labeled 'Add to favorite packages'. The 'Name:' field is set to 'ZC_TRAVEL_M_CVP9'. The 'Description: *' field is set to 'Behavior for ZC_TRAVEL_M_CVP9'. The 'Original Language:' field is set to 'EN'. The 'Root Entity:' field is set to 'ZC_TRAVEL_M_CVP9'. The 'Implementation Type: *' field is a dropdown menu set to 'Projection'. At the bottom of the dialog, there is a row of buttons: a help button (question mark icon), '< Back', 'Next >' (highlighted with a blue border), 'Finish', and 'Cancel'.

New Behavior Definition

Behavior Definition
Create Behavior Definition

Project: * TRL_EN Browse...

Package: * ZTRAVEL_APP_CVP9 Browse...

☐ Add to favorite packages

Name: ZC_TRAVEL_M_CVP9

Description: * Behavior for ZC_TRAVEL_M_CVP9

Original Language: EN

Root Entity: ZC_TRAVEL_M_CVP9

Implementation Type: * Projection

? < Back Next > Finish Cancel

Click Next and Finish.

Replace the generated code with the following code,

```
projection;  
  
define behavior for ZC_TRAVEL_M_XXX alias TravelProcessor  
use etag  
{  
  // scenario specific field control  
  field ( mandatory ) BeginDate, EndDate, CustomerID;  
  
  use create;  
  use update;  
  use delete;  
}
```

Click Save (Ctrl-S) and Activate (Ctrl-F3).

Replace XXX with the name which you had choosed earlier.

An example :

```
projection;  
  
define behavior for ZC_TRAVEL_M_CVP9 alias TravelProcessor  
use etag  
{  
  // scenario specific field control  
  field ( mandatory ) BeginDate, EndDate, CustomerID;  
  
  use create;  
  use update;  
  use delete;  
}
```

Check UI

Navigate to your service binding and double click on `TravelProcessor`.

You can see the Create and Delete actions on UI

Let's create a new Travel record.

Click on Create

The screenshot displays a web application interface for managing travel records. At the top, there is a header bar with a 'Standard' dropdown menu. Below this, a search bar is visible, followed by input fields for 'Agency ID' and 'Customer ID'. To the right of these fields are 'Adapt Filters' and a 'Go' button. Below the search bar, there are two small icons: an upward arrow and a plus sign. The main content area features a table titled 'Travels (5)' with a 'Standard' dropdown. The table has columns for 'Travel ID', 'Agency ID', 'Customer ID', 'Starting Date', 'End Date', 'Total Price', and 'Booking Status'. There are five rows of data. To the right of the table, there are 'Delete' and 'Create' buttons, with the 'Create' button highlighted by a green box. A settings gear icon is also present.

Travel ID	Agency ID	Customer ID	Starting Date	End Date	Total Price	Booking Status
1	Sunshine Travel (70001)	Neubasler (77)	24 Jun 2019	28 Jun 2019	1,780.00 USD	A
2	Your Choice (70005)	Buchholm (5)	13 Jun 2019	16 Jul 2019	1,150.00 USD	A
3	Travel from Walldorf (70010)	Buchholm (11)	10 Jun 2019	14 Jul 2019	1,800.00 USD	X
4	Travel from Walldorf (70010)	Buchholm (11)	10 Jun 2019	14 Jul 2019	2,800.00 USD	X
5	Travel from Walldorf (70010)	Buchholm (11)	10 Jun 2019	14 Jul 2019	3,500.00 USD	A

And Enter the details.

10				Delete ↗	
<hr/>					
Travel					
<hr/>					
*Travel ID [1,...,99999999]:	Customer ID:	End Date:	*Status [O(Open)]A(Accepted)]X(Canceled)]:		
<input type="text" value="10"/>	<input type="text" value="1"/> ↗	<input type="text" value="22 Nov 2019"/> 📅	<input type="text" value="O"/>		
*Agency ID:	Starting Date:	Total Price:	Remarks:		
<input type="text" value="70001"/> ↗	<input type="text" value="5 Nov 2019"/> 📅	<input type="text" value="999.00"/> <input type="text" value="USD"/> ↗	<input type="text" value="Trip to Heaven"/>		
<hr/>					
<hr/>					

Click on Save.

You can see the new record inserted.

Standard ▾



Search



Agency ID:



Customer ID:



Adapt Filters

Go



Travels (6) | Standard ▾

Delete

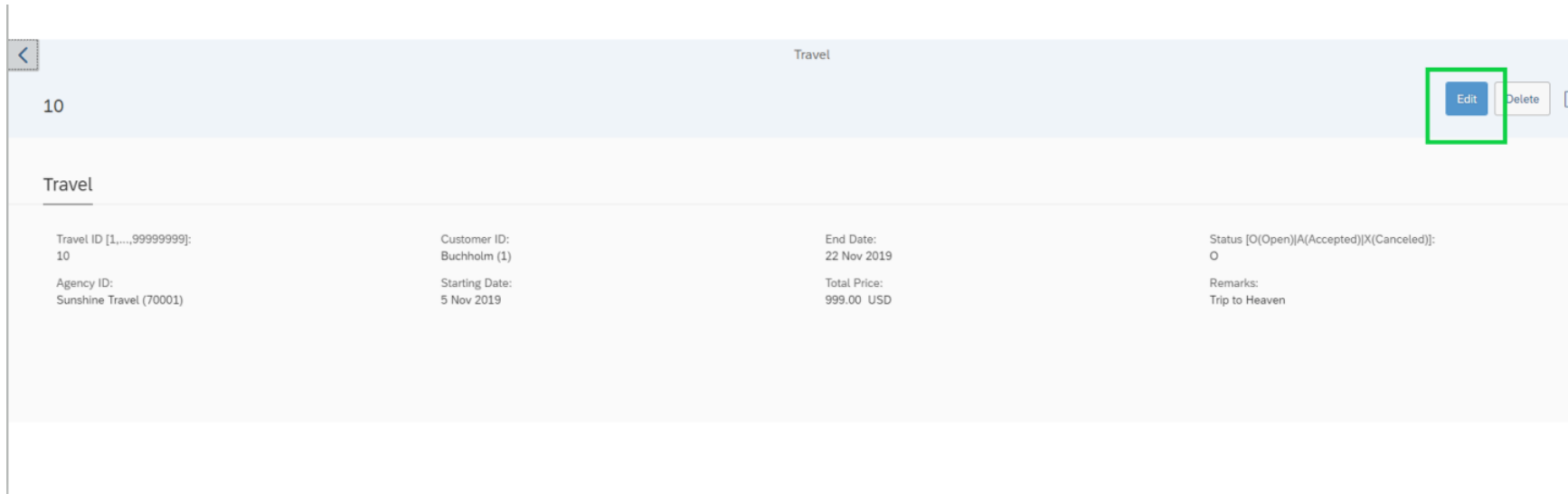
Create



Travel ID	Agency ID	Customer ID	Starting Date	End Date	Total Price	Booking Status	
<input type="radio"/> 1	Sunshine Travel (70001)	Neubasler (77)	24 Jun 2019	28 Jun 2019	1,780.00 USD	A	>
<input type="radio"/> 2	Your Choice (70005)	Buchholm (5)	13 Jun 2019	16 Jul 2019	1,150.00 USD	A	>
<input type="radio"/> 3	Travel from Walldorf (70010)	Buchholm (11)	10 Jun 2019	14 Jul 2019	1,800.00 USD	X	>
<input type="radio"/> 4	Travel from Walldorf (70010)	Buchholm (11)	10 Jun 2019	14 Jul 2019	2,800.00 USD	X	>
<input type="radio"/> 5	Travel from Walldorf (70010)	Buchholm (11)	10 Jun 2019	14 Jul 2019	3,500.00 USD	A	>
<input checked="" type="radio"/> 10	Sunshine Travel (70001)	Buchholm (1)	5 Nov 2019	22 Nov 2019	999.00 USD	O	>

Let's Edit an existing record.

Click on a record and in the new page which has opened, click on Edit.



The screenshot shows a web application interface for managing travel records. At the top, there is a light blue header bar with a back arrow icon on the left, the word "Travel" in the center, and an "Edit" button (highlighted with a green box) and a "Delete" button on the right. Below the header, the record ID "10" is displayed. The main content area is titled "Travel" and contains a table with the following data:

Travel ID [1,...,99999999]: 10	Customer ID: Buchholm (1)	End Date: 22 Nov 2019	Status [O(Open)]A(Accepted)]X(Canceled): O
Agency ID: Sunshine Travel (70001)	Starting Date: 5 Nov 2019	Total Price: 999.00 USD	Remarks: Trip to Heaven

And make the necessary modifications and click on Save.

Travel

10

Delete

Travel

*Travel ID [1,.....,999999999]:

10

Customer ID:

1

End Date:

22 Nov 2019

*Status [O(Open)]A(Accepted)]X(Canceled)]:

O

*Agency ID:

70001

Starting Date:

5 Nov 2019

Total Price:

999.00

USD

Remarks:

Yet an other trip to Heaven

Save

Cancel

You can verify the update by clicking on the same record and navigating to object page.



Travel

10

Edit

Delete



Travel

Travel ID [1,...,99999999]:
10

Customer ID:
Buchholm (1)

End Date:
22 Nov 2019

Status [O(Open)]A(Accepted)]X(Canceled)]:
O

Agency ID:
Sunshine Travel (70001)

Starting Date:
5 Nov 2019

Total Price:
999.00 USD

Remarks:
Yet an other trip to Heaven


Let's Delete an existing record.

Click on an existing record and click on Delete.

10 Edit Delete

Travel

Travel ID [1,....,99999999]: 10	Customer ID: Buchholm (1)	End Date: 22 Nov 2019	Status [O(Open)]A(Accepted)]X(Canceled)]: O
Agency ID: Sunshine Travel (70001)	Starting Date: 5 Nov 2019	Total Price: 999.00 USD	Remarks: Yet an other trip to Heaven

 Delete

Delete object 10?

Delete Cancel

Search

Q

Agency ID:

Customer ID:

Adapt FiltersGo

^

✕

Travels (5)Standard

DeleteCreate

	Travel ID	Agency ID	Customer ID	Starting Date	End Date	Total Price	Booking Status	
<input type="radio"/>	1	Sunshine Travel (70001)	Neubasler (77)	24 Jun 2019	28 Jun 2019	1,780.00 USD	A	>
<input type="radio"/>	2	Your Choice (70005)	Buchholm (5)	13 Jun 2019	16 Jul 2019	1,150.00 USD	A	>
<input type="radio"/>	3	Travel from Walldorf (70010)	Buchholm (11)	10 Jun 2019	14 Jul 2019	1,800.00 USD	X	>
<input type="radio"/>	4	Travel from Walldorf (70010)	Buchholm (11)	10 Jun 2019	14 Jul 2019	2,800.00 USD	X	>
<input type="radio"/>	5	Travel from Walldorf (70010)	Buchholm (11)	10 Jun 2019	14 Jul 2019	3,500.00 USD	A	>

Object deleted

Search



Adapt Filters

Go



Travels (5) Standard

Delete

Create



Travel ID	Agency ID	Customer ID	Starting Date	End Date	Total Price	Booking Status	
<input type="radio"/> 1	Sunshine Travel (70001)	Neubasler (77)	24 Jun 2019	28 Jun 2019	1,780.00 USD	A	>
<input type="radio"/> 2	Your Choice (70005)	Buchholm (5)	13 Jun 2019	16 Jul 2019	1,150.00 USD	A	>
<input type="radio"/> 3	Travel from Walldorf (70010)	Buchholm (11)	10 Jun 2019	14 Jul 2019	1,800.00 USD	X	>
<input type="radio"/> 4	Travel from Walldorf (70010)	Buchholm (11)	10 Jun 2019	14 Jul 2019	2,800.00 USD	X	>
<input type="radio"/> 5	Travel from Walldorf (70010)	Buchholm (11)	10 Jun 2019	14 Jul 2019	3,500.00 USD	A	>

Object deleted