
SAP BTP Experience
Fusion development with ABAP Cloud in SAP Build
Pedro Vieira
João Rocha
Anderson Silva
EPI-USE

Hands-on Lab: Fusion Development with ABAP Cloud in SAP Build

ASUG Tech Connect

In partnership with **SAP TechEd**

Agenda

Exercise 1

- Start your development by creating an ABAP project in the SAP Build Lobby

Exercise 2

- Create a Shopping Cart business object, projection and service with the Graphical Modeler in SAP Build Code

Exercise 3

- Implement transactional behavior in ADT, create validations and determinations

Exercise 4

- Create, preview and adapt a SAP Fiori elements application

Github

EPI-USE®

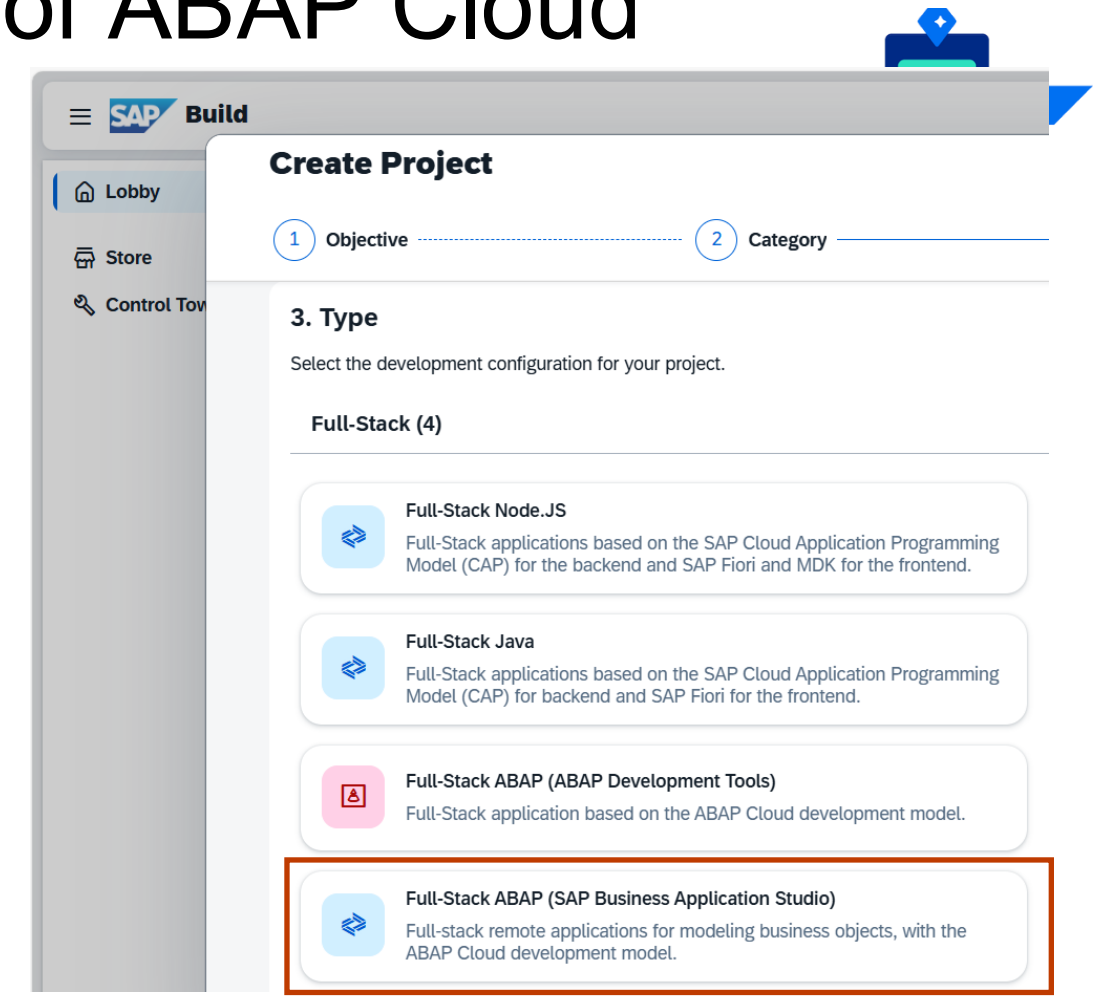
Introduction

ASUG Tech Connect

In partnership with **SAP TechEd**

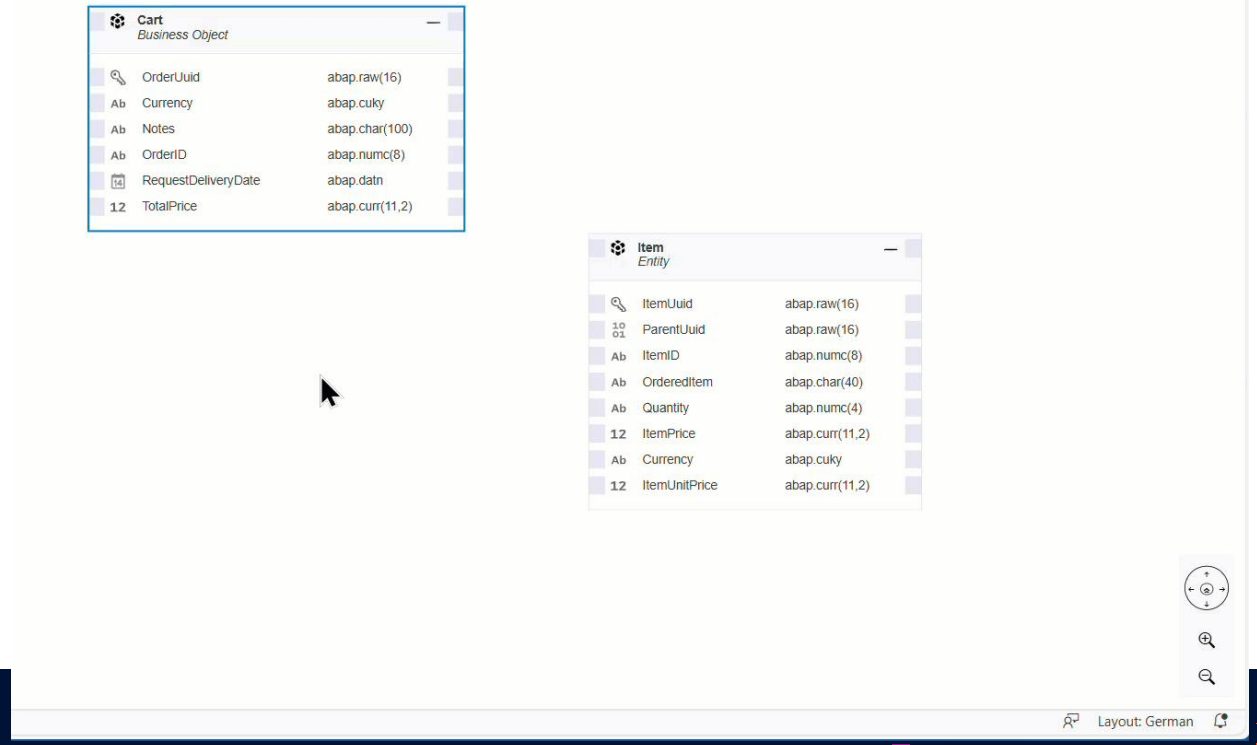
What you will do in this hands-on workshop – Practice fusion development of ABAP Cloud

1. SAP Build Lobby - Create a Full-Stack ABAP project (SAP Business Application Studio)



What you will do in this hands-on workshop – Practice fusion development of ABAP Cloud

1. SAP Build Lobby - Create a Full-Stack ABAP project (SAP Business Application Studio)
2. SAP Business Application Studio - Graphical Modeler



What you will do in this hands-on workshop – Practice fusion development of ABAP Cloud

1. SAP Build Lobby - Create a Full-Stack ABAP project (SAP Business Application Studio)
2. SAP Business Application Studio – Graphical Modeler
3. ABAP Development Tools - Implementation of Business Logic

```
35
36    validation validateRequestDeliveryDate on save { create; field RequestDeliveryDate; }
37
38    draft action Activate optimized;
39    draft action Discard;
40    draft action Edit;
41    draft action Resume;
42    //draft determine action Prepare;
43    draft determine action Prepare
44    {
45      validation validateRequestDeliveryDate;
      }
```

```
64
65    association _Items { create; with draft; }
66
67  }
```

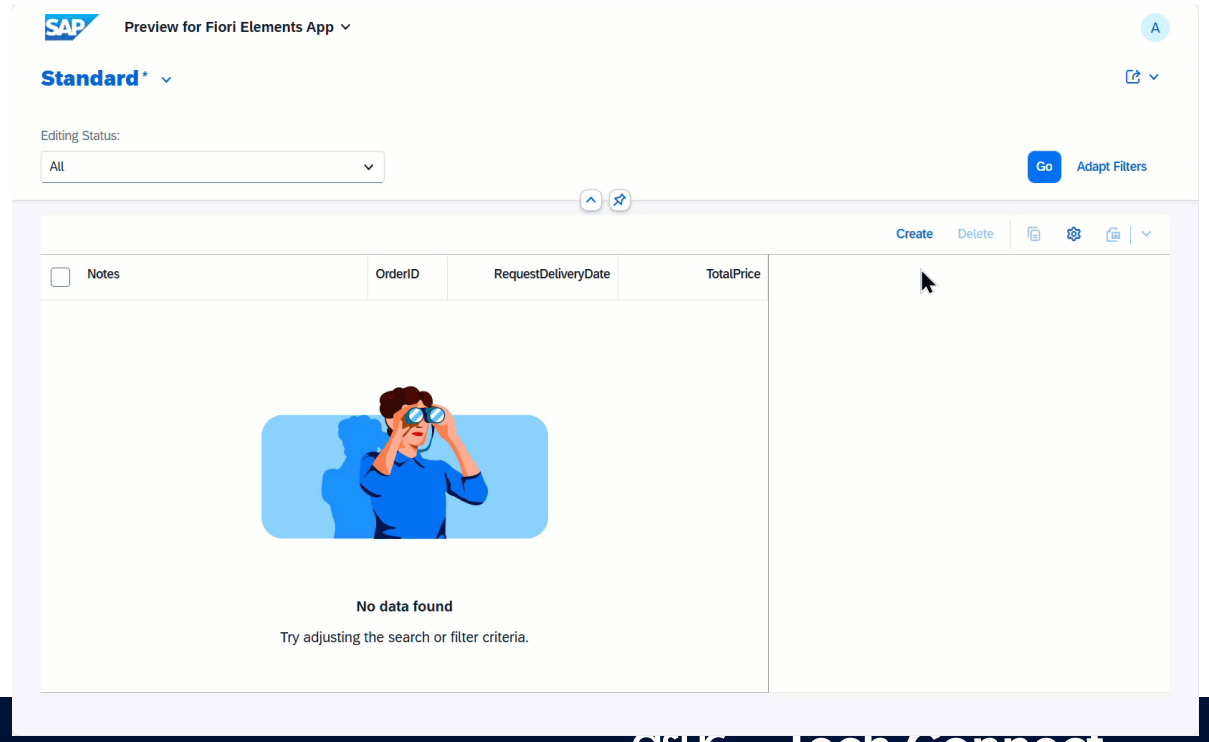
```
METHOD validateRequestDeliveryDate.

ENDMETHOD.
```

Predict RAP Business Logic

What you will do in this hands-on workshop – Practice fusion development of ABAP Cloud

1. SAP Build Lobby - Create a Full-Stack ABAP project (SAP Business Application Studio)
2. SAP Business Application Studio – Graphical Modeler
3. ABAP Development Tools - Implementation of Business Logic
4. SAP Busines Application Studio - Create, preview and adapt a SAP Fiori elements application



Exercise 1: Start your development by creating an ABAP project in the SAP Build Lobby

ASUG Tech Connect

In partnership with SAP TechEd

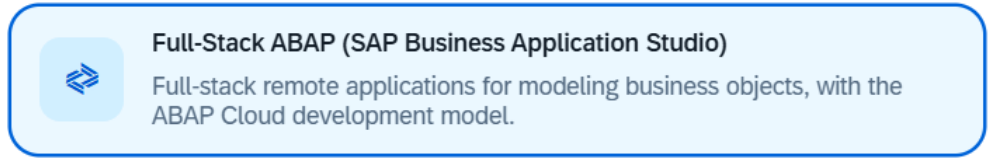
Exercise 1: Create a Full-Stack ABAP (SAP Business Application Studio) Project

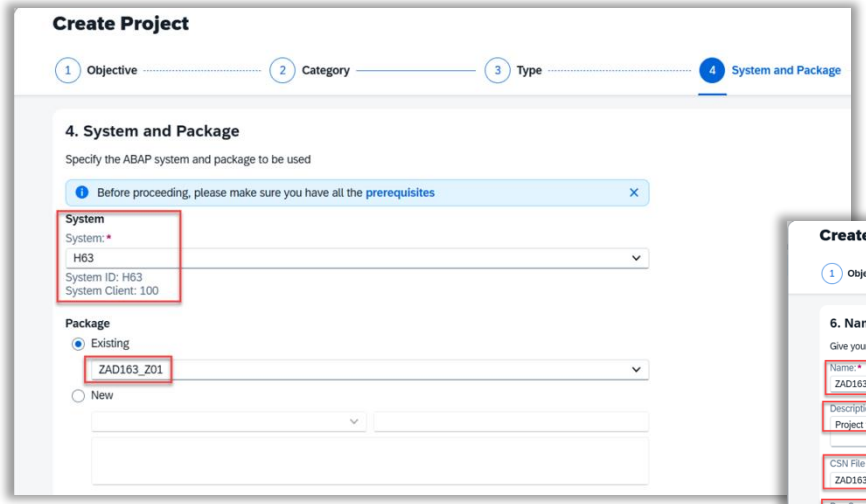
Create a Full-Stack ABAP (SAP Business Application Studio) Project

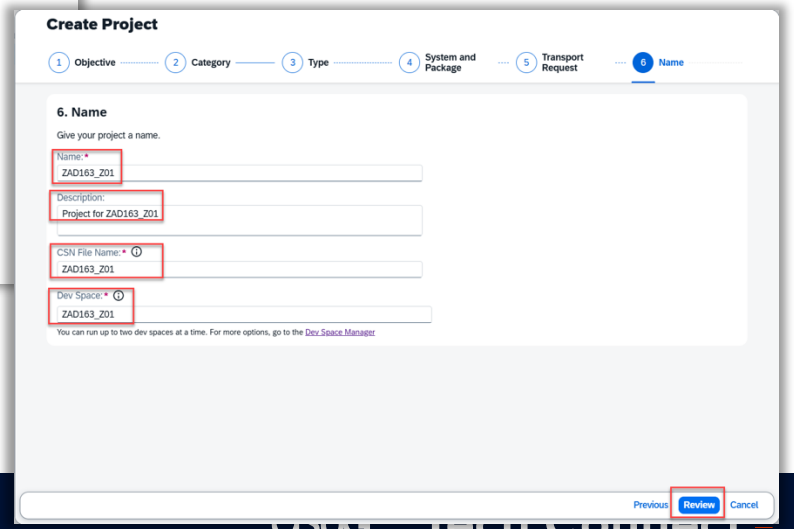
Connect to backend system
H63

Use a pre-created package
ZAD163-A##

Create and start Dev Space
in SAP Business Application Studio







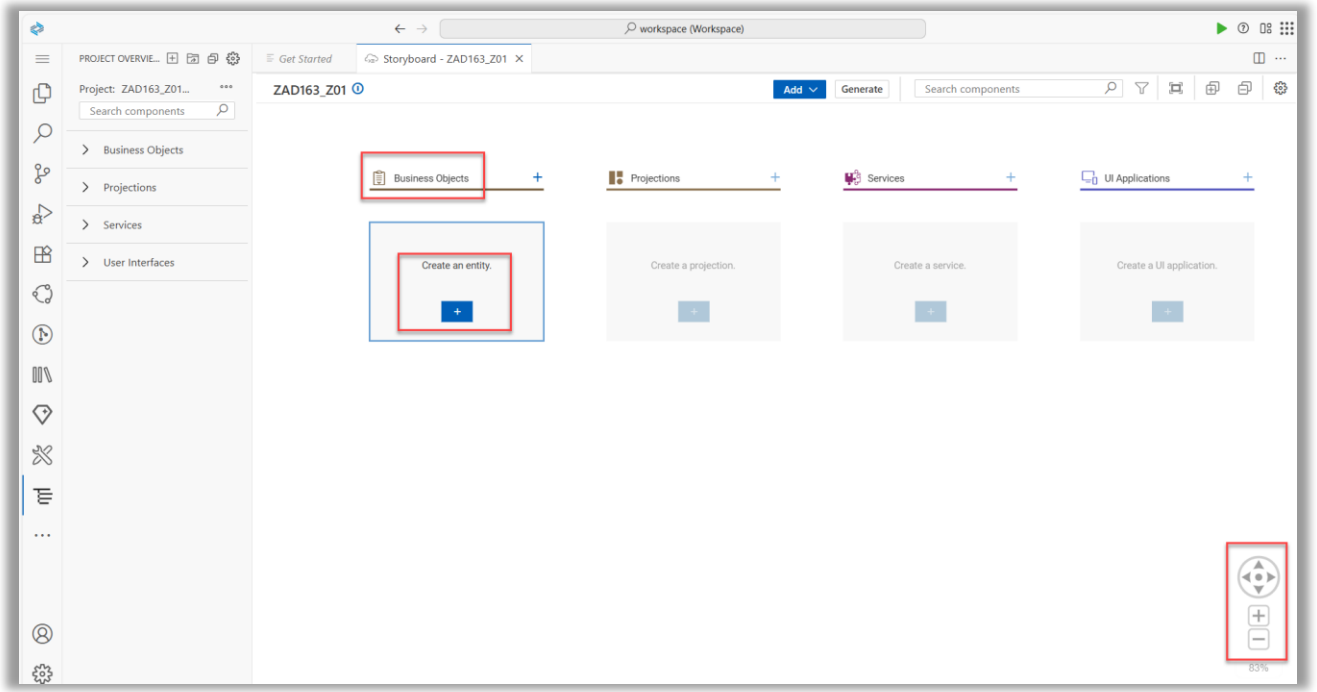
Exercise 2 : Create a Shopping Cart business object, projection and service with the Graphical Modeler in SAP Build Code

ASUG Tech Connect

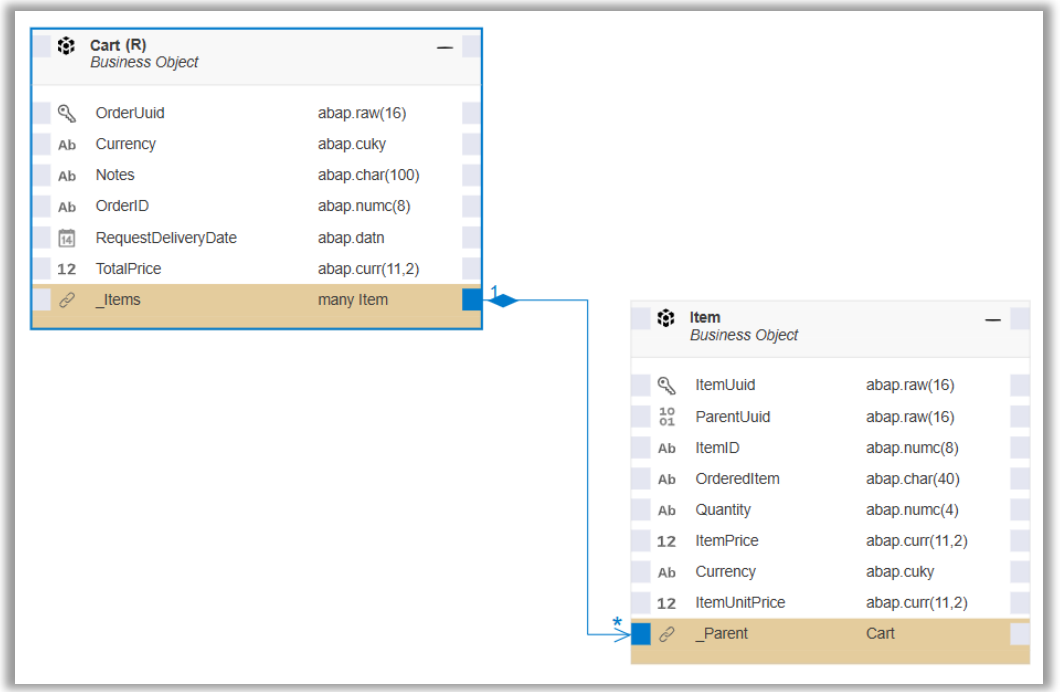
In partnership with SAP TechEd

Exercise 2: Model the ShoppingCart Business Object

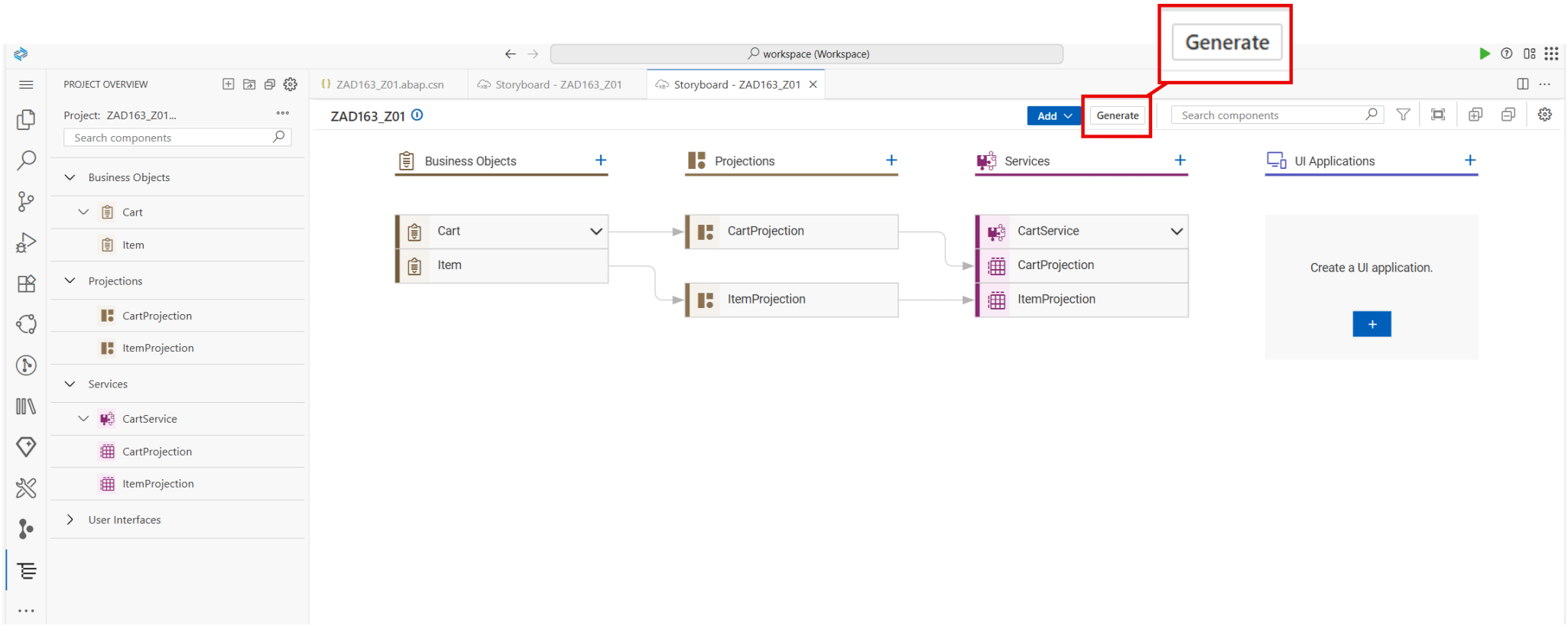
Storyboard



Graphical Modeller



Exercise 2: Add Projection and Service Layer, Generate ABAP artefacts

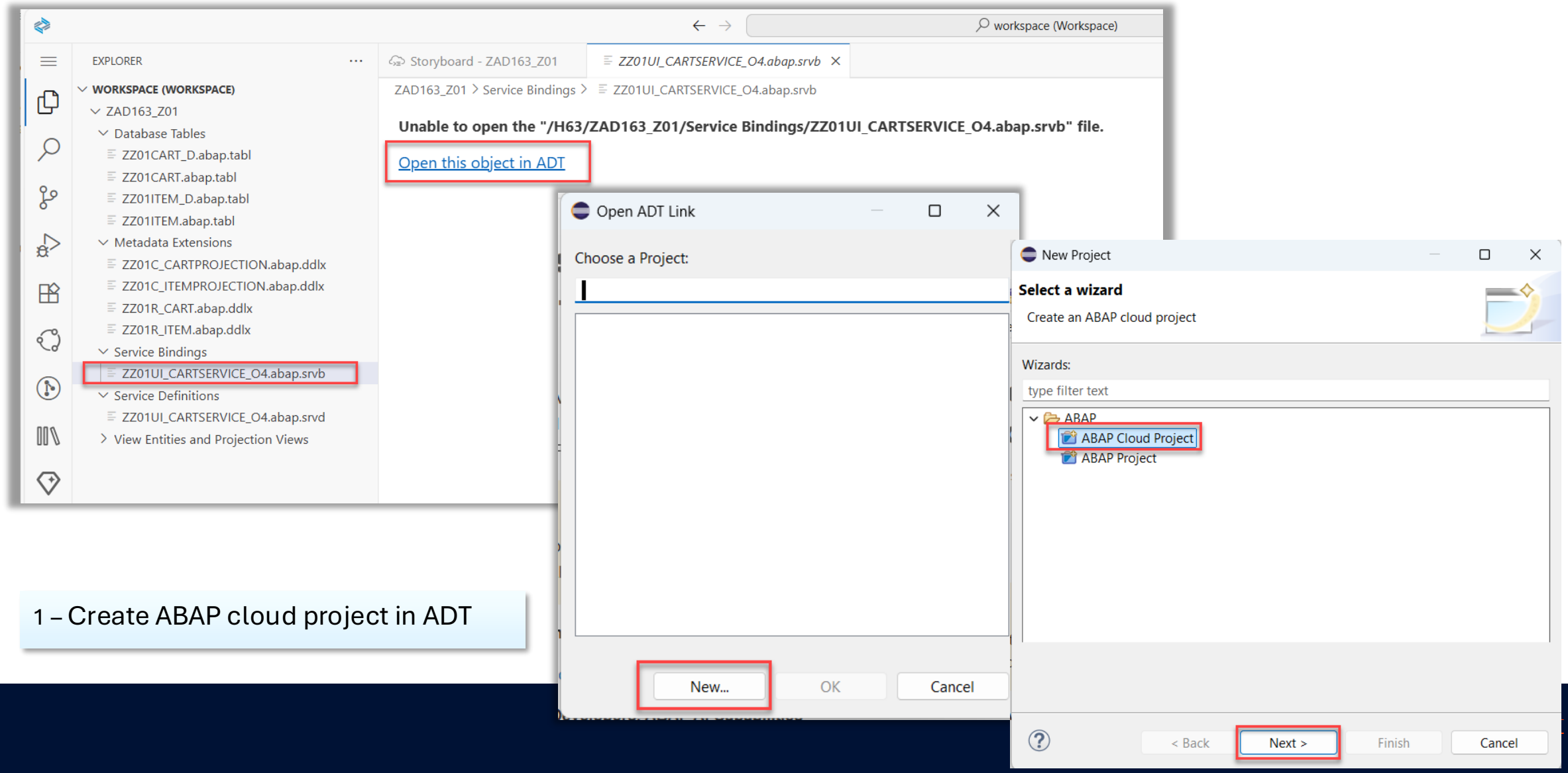


Exercise 3: Implement transactional behavior in ADT, create validations and determinations

ASUG Tech Connect

In partnership with SAP TechEd

Exercise 3: Create ABAP cloud project in ADT



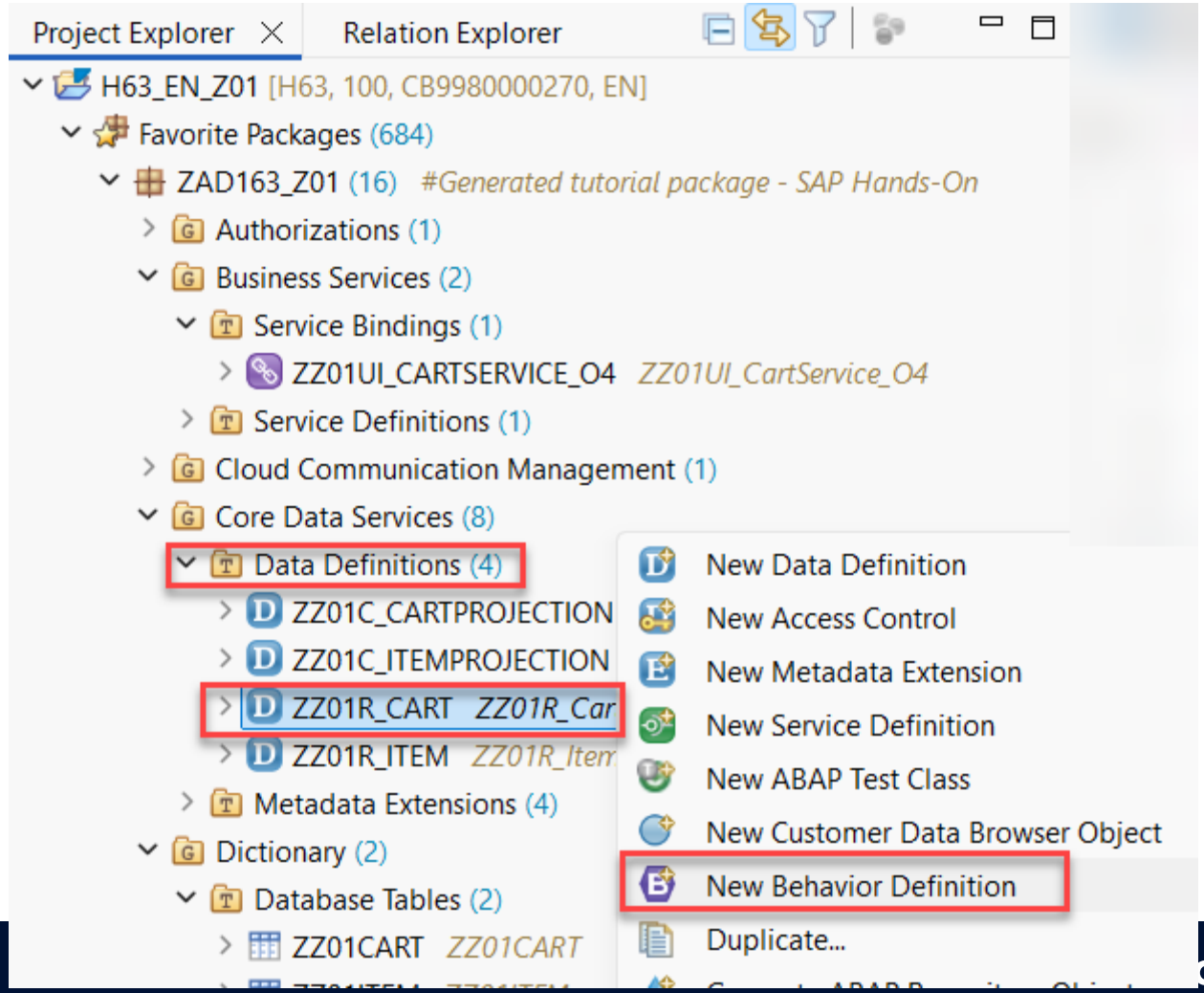
1 – Create ABAP cloud project in ADT

Exercise 3: Add transactional behavior

```
@EndUserText.label : 'ZZ01CART'
@AbapCatalog.enhancement.category : #NOT_EXTENSIBLE
@AbapCatalog.tableCategory : #TRANSPARENT
@AbapCatalog.deliveryClass : #A
@AbapCatalog.dataMaintenance : #ALLOWED
define table zz01cart {

  key client             : abap.clnt not null;
  key order_uuid         : abap.raw(16) not null;
  currency               : abap.cuky;
  notes                  : abap.char(100);
  order_id               : abap.numc(8);
  request_delivery_date  : abap.datn;
  @Semantics.amount.currencyCode : 'zz01cart.currency'
  total_price            : abap.curr(11,2);
  local_created_by       : abp_creation_user;
  local_created_at       : abp_creation_tstmpl;
  local_last_changed_by  : abp_locinst_lastchange_user;
  local_last_changed_at  : abp_locinst_lastchange_tstmpl;
  last_changed_at        : abp_lastchange_tstmpl;

}
```



Exercise 3: Implement determinations and validations using Joule

```
35
36    validation validateRequestDeliveryDate on save { create; field RequestDeliveryDate; }
37
38    draft action Activate optimized;
39    draft action Discard;
40    draft action Edit;
41    draft action Resume;
42    //draft determine action Prepare;
43    draft determine action Prepare
44    {
45      validation validateRequestDeliveryDate;
      }
```

```
64
65    association _Items { create; with draft; }
66
67  }
```

```
METHOD validateRequestDeliveryDate.

ENDMETHOD.
```

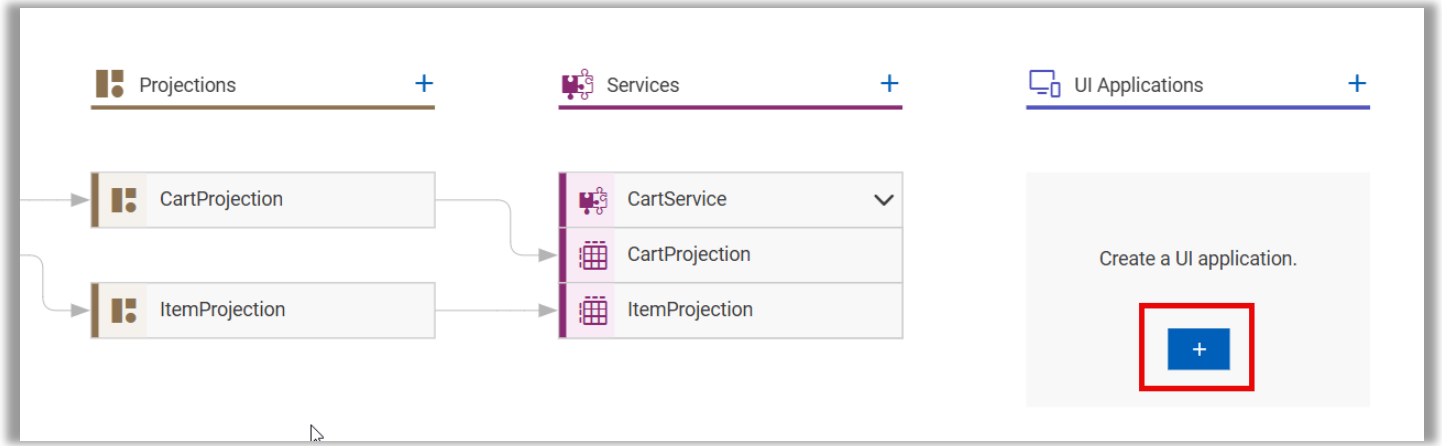
Predict RAP Business Logic

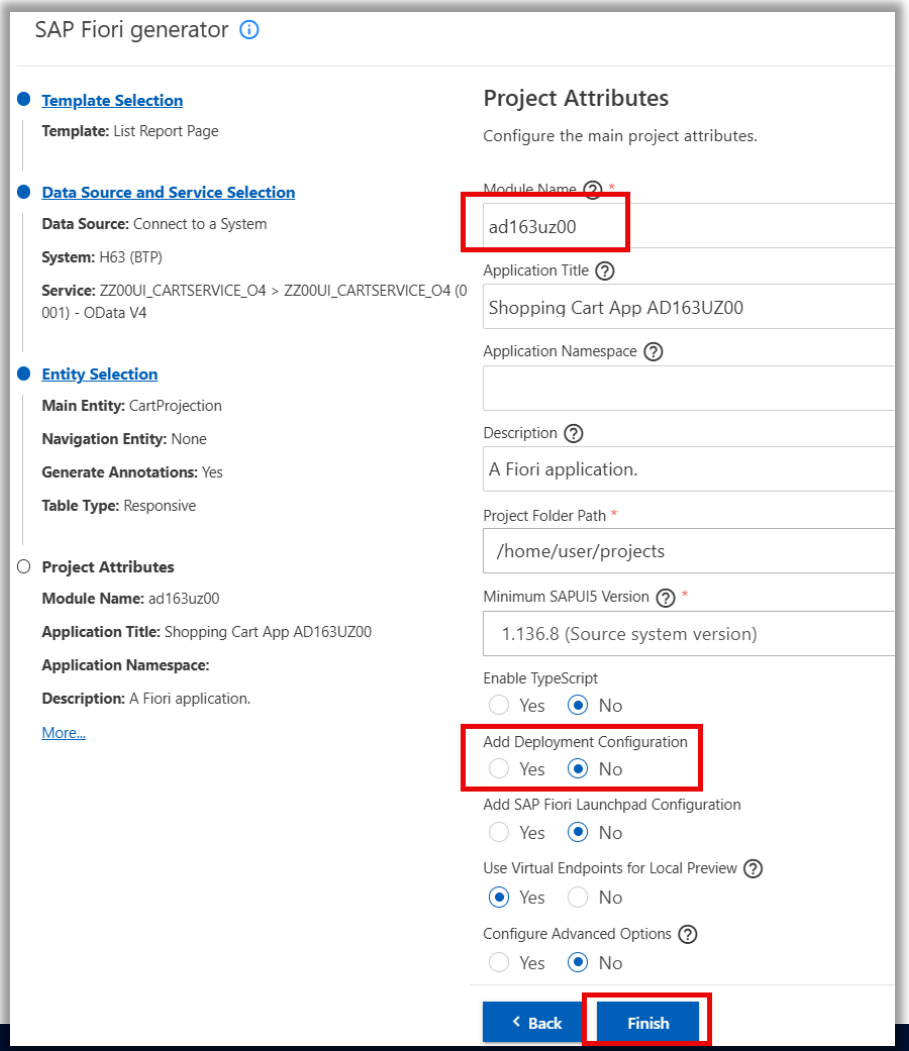
Exercise 4: Create, preview and adapt a SAP Fiori elements application

ASUG Tech Connect

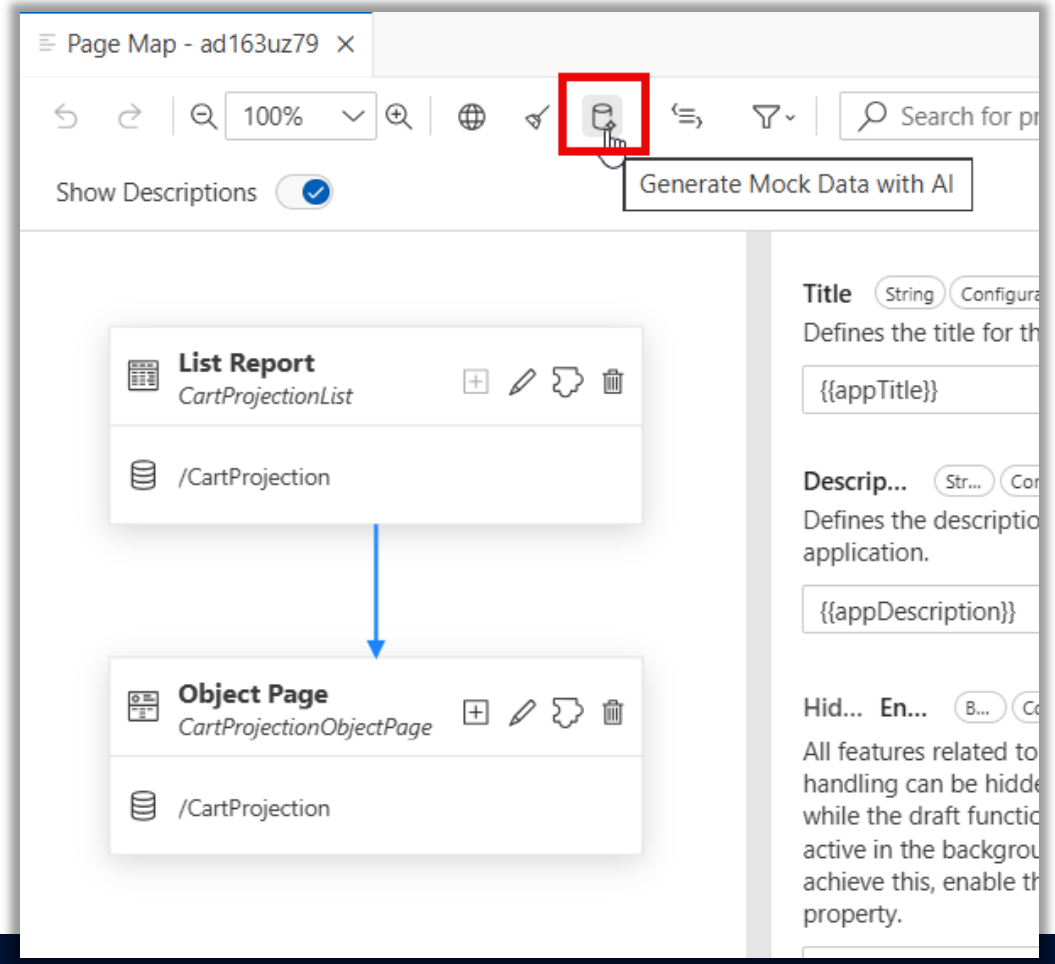
In partnership with SAP TechEd

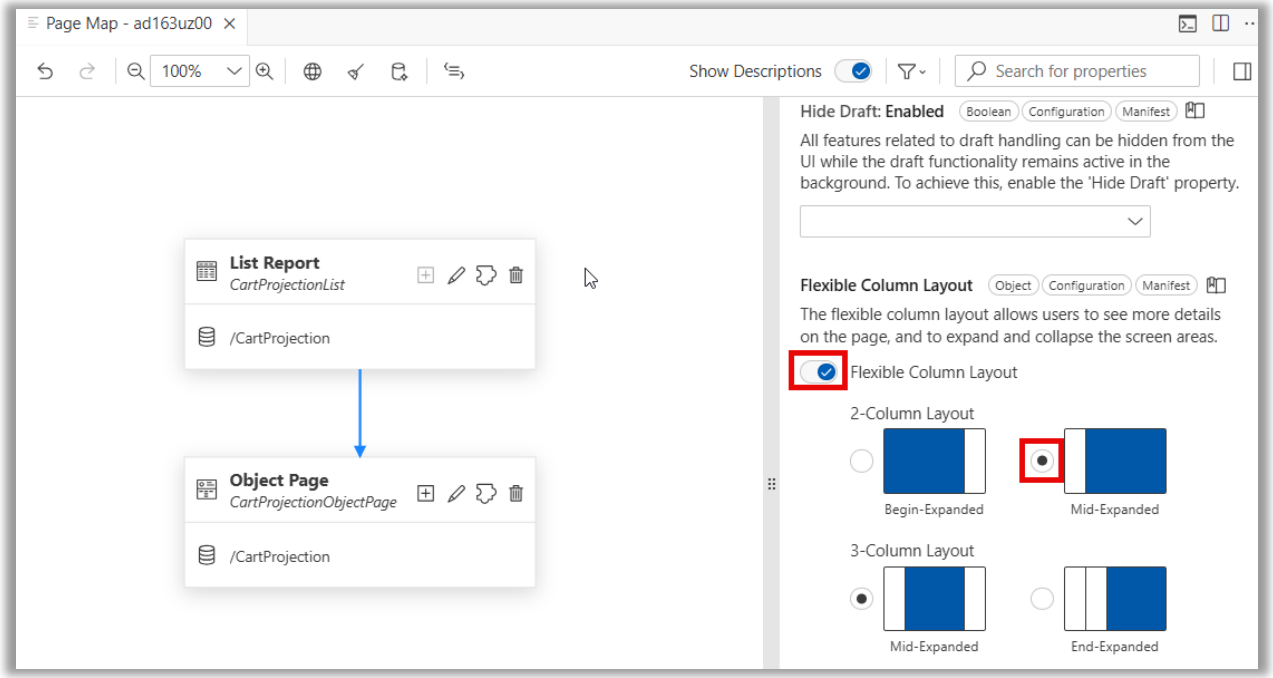
Exercise 4: Create, preview and adapt a SAP Fiori elements application





Exercise 4: Create, preview and adapt a SAP Fiori elements application





Queremos saber a sua opinião.

Acesse o aplicativo do SAP BTP Experience e responda a pesquisa de avaliação desta sessão.

EPI-USE®