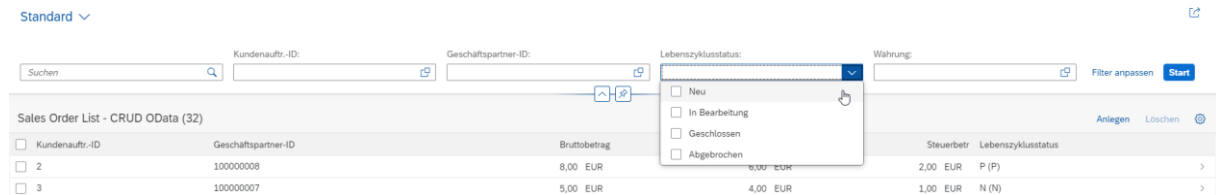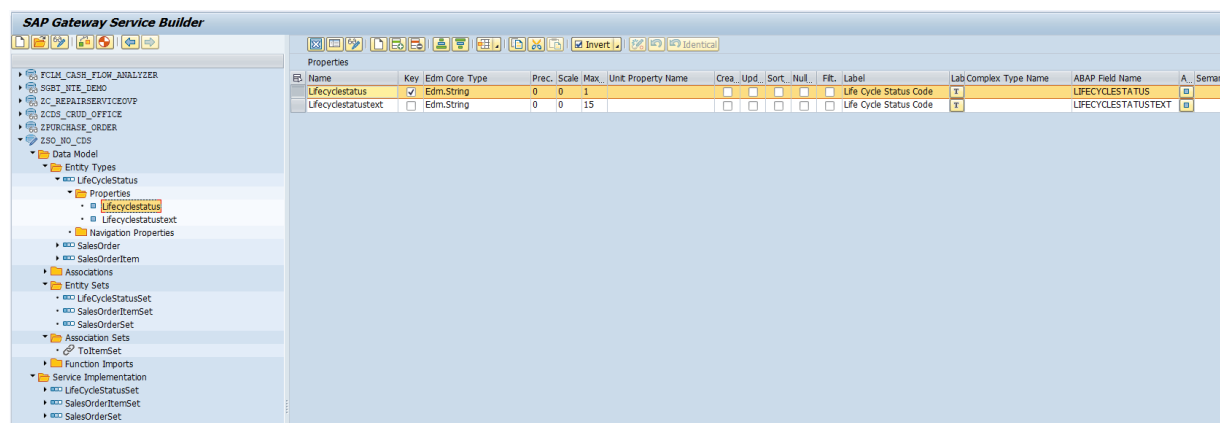## ODATA Dropdown field with Domain – Fiori Elements(Smart Templates)

Result look like:

Create new Entity Type and Entity Set, with the field you want to add an text element

At the DPC EXT Class redefine GET_ENTITY and GET_ENTITYSET

```abap
METHOD lifecyclestatuss_get_entity.

  DATA: lv_so    TYPE zddl_i_zproto_so_a-salesorderid,
        lt_dd07v TYPE TABLE OF dd07v.

  READ TABLE it_key_tab INTO DATA(ls_key) WITH KEY name = 'Salesorderid'.
  IF sy-subrc = 0.
    lv_so = |{ ls_key-value ALPHA = IN }|.
  ENDIF.

  SELECT SINGLE *
    FROM zddl_i_zproto_so_a
    INTO @DATA(ls_so_db)
    WHERE salesorderid = @lv_so.

  IF sy-subrc = 0.

    CALL FUNCTION 'DD_DOMVALUES_GET'
      EXPORTING
        domname       = 'D_SO_LC'
        text          = 'X'
        langu         = sy-langu
      TABLES
        dd07v_tab     = lt_dd07v
      EXCEPTIONS
```

```
          wrong_textflag = 1
          OTHERS         = 2.

    READ TABLE lt_dd07v INTO DATA(ls_dd07v) WITH KEY domvalue_l = ls_so_db-lifecyclestatus.
    IF sy-subrc = 0.
      er_entity-lifecyclestatus     = ls_dd07v-domvalue_l.
      er_entity-lifecyclestatustext = ls_dd07v-ddtext.
    ENDIF.

  ENDIF.

ENDMETHOD.
```

```
METHOD lifecyclestatuss_get_entityset.

  DATA: lt_life  TYPE zcl_zso_no_cds_mpc=>tt_lifecyclestatus,
        lt_dd07v TYPE TABLE OF dd07v,
        ls_life  TYPE LINE OF zcl_zso_no_cds_mpc=>tt_lifecyclestatus.

  CALL FUNCTION 'DD_DOMVALUES_GET'
    EXPORTING
      domname        = 'D_SO_LC'
      text           = 'X'
      langu          = sy-langu
    TABLES
      dd07v_tab      = lt_dd07v
    EXCEPTIONS
      wrong_textflag = 1
      OTHERS         = 2.

  LOOP AT lt_dd07v ASSIGNING FIELD-SYMBOL(<fs_dd07v>).
    ls_life-lifecyclestatus     = <fs_dd07v>-domvalue_l.
    ls_life-lifecyclestatustext = <fs_dd07v>-ddtext.
    INSERT ls_life INTO TABLE lt_life.
  ENDLOOP.

  ET_ENTITYSET = lt_life.

ENDMETHOD.
```

At the MPC_EXT Class, redefine the method DEFINE:

```
METHOD define.

  DATA : lv_namespace  TYPE string,
         lr_annotation TYPE REF TO cl_fis_shlp_annotation,
         lt_dd07v      TYPE TABLE OF dd07v.

  super->define( ) .

  model->set_soft_state_enabled( iv_soft_state_enabled = abap_true ).
  model->get_schema_namespace( IMPORTING ev_namespace = lv_namespace ).

*  DATA(lr_salesorder) = model->get_entity_type( iv_entity_name = 'SalesOrder' ).
```

```abap
*   DATA(lr_lifecyclestatus) = lr_salesorder-
>get_property( iv_property_name = 'Lifecyclestatus' ).

  "Create annotation for the LifeCycleStatus
  lr_annotation = cl_fis_shlp_annotation=>create(
  io_odata_model              = model
  io_vocan_model              = vocab_anno_model
  iv_namespace                = lv_namespace
  iv_entitytype               = 'SalesOrder'
  iv_property                 = 'Lifecyclestatus'
  iv_search_supported         = abap_false
  iv_valuelist_entityset      = 'LifeCycleStatusSet'
  iv_valuelist_property       = 'Lifecyclestatus' ).
*  iv_entitytype              = 'LifeCycleStatus'
*  iv_property                = 'Lifecyclestatus'
*  iv_search_supported        = abap_false
*  iv_valuelist_entityset     = 'SalesOrderSet'
*  iv_valuelist_property      = 'Lifecyclestatus' ).

*  lr_annotation->add_display_parameter( iv_valuelist_property = 'Text' ).

  DATA(lr_lifecyclestatus) = model->get_entity_type( iv_entity_name = 'LifeCycleStatus' )-
>get_property( iv_property_name = 'Lifecyclestatus' ).
  lr_lifecyclestatus-
>set_value_list( iv_value_list_type = /iwbep/if_mgw_odata_property=>gcs_value_list_type_propert
fixed_values  ).

  DATA(lr_anno) = lr_lifecyclestatus-
>/iwbep/if_mgw_odata_annotatabl~create_annotation( iv_annotation_namespace = 'sap' ).
  lr_anno->add(
    EXPORTING
      iv_key      = 'text'
      iv_value    = 'Lifecyclestatustext'  ).

  lr_lifecyclestatus = model->get_entity_type( iv_entity_name = 'SalesOrder' )-
>get_property( iv_property_name = 'Lifecyclestatus' ).
  lr_lifecyclestatus-
>set_value_list( iv_value_list_type = /iwbep/if_mgw_odata_property=>gcs_value_list_type_propert
fixed_values  ).

  lr_anno = lr_lifecyclestatus-
>/iwbep/if_mgw_odata_annotatabl~create_annotation( iv_annotation_namespace = 'sap' ).
  lr_anno->add(
    EXPORTING
      iv_key      = 'text'
      iv_value    = 'Lifecyclestatus'  ).

  "This build a drop down on the Fiori Elements/Smart Templates
*  lr_lifecyclestatus-
>set_value_list( iv_value_list_type = /iwbep/if_mgw_odata_property=>gcs_value_list_type_propert
fixed_values  ).

ENDMETHOD.
```

Save and sincronize it

SAP Gateway Service Builder

localService
  metadata.x...
  mockserver

test
Component.js
manifest.json
neo-app.json
package-lock.jso
package.json
ui5.yaml
OfficeCRUD
PoListReport
+ SAPUI5-Book-Cod
SAPUI5_GUIDE_F
Throubleshooting
Walkthrough

Open Code Editor	
Run	>
Deploy	>
Git	>
Export	
Cut	Ctrl+X
Copy	Ctrl+C
Rename	F2
Delete	Delete
Project	>
Refresh Workspace Items	
Quick Access	Ctrl+3
Edit Mock Data	
Sync Metadata	

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        sap:c
        <Asso
         s
        <Func
         n
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       <Anno

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       nnota
       href=
       xmlns
       href=