# LOE

**Lösungen – Tag 03**

**zum Seminar 16961 (SAPUI und Fiori)**

##### Lösungen 3

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1. **Lösungen**
2. **Aufgabe 1**
3. **Aufgabe 2**

  METHOD sflightset\_get\_entity.

    TRY.

        CALL METHOD super->sflightset\_get\_entity

          EXPORTING

            iv\_entity\_name      = iv\_entity\_name

            iv\_entity\_set\_name  = iv\_entity\_set\_name

            iv\_source\_name      = iv\_source\_name

            it\_key\_tab          = it\_key\_tab

            io\_request\_object   = io\_request\_object

            io\_tech\_request\_context = io\_tech\_request\_context

            it\_navigation\_path  = it\_navigation\_path

          IMPORTING

            er\_entity           = er\_entity

            es\_response\_context = es\_response\_context.

      CATCH /iwbep/cx\_mgw\_busi\_exception .

      CATCH /iwbep/cx\_mgw\_tech\_exception .

    ENDTRY.

  ENDMETHOD.

  method sflightset\_get\_entityset.

    try.

        call method super->sflightset\_get\_entityset

          exporting

            iv\_entity\_name           = iv\_entity\_name

            iv\_entity\_set\_name       = iv\_entity\_set\_name

            iv\_source\_name           = iv\_source\_name

            it\_filter\_select\_options = it\_filter\_select\_options

            is\_paging                = is\_paging

            it\_key\_tab               = it\_key\_tab

            it\_navigation\_path       = it\_navigation\_path

            it\_order                 = it\_order

            iv\_filter\_string         = iv\_filter\_string

            iv\_search\_string         = iv\_search\_string

            io\_tech\_request\_context  = io\_tech\_request\_context

          importing

            et\_entityset             = et\_entityset

            es\_response\_context      = es\_response\_context.

      "DELETE et\_entityset WHERE carrid IS INITIAL.

      catch /iwbep/cx\_mgw\_busi\_exception .

      catch /iwbep/cx\_mgw\_tech\_exception .

    endtry.

  endmethod.

  method sflightset\_create\_entity.

    io\_data\_provider->read\_entry\_data( importing es\_data = er\_entity ).

    if er\_entity-carrid is initial or er\_entity-connid is initial or er\_entity-fldate is initial.

      "Schlüsselfelder leer - wird einfach ignoriert

      return.

    endif.

    SELECT SINGLE carrid

      FROM sflight

      INTO @DATA(lv\_carrid)

      WHERE carrid = @er\_entity-carrid

        AND fldate = @er\_entity-fldate

        AND connid = @er\_entity-connid.

    IF sy-subrc = 0.

      "Datensatz bereits vorhanden.

      MESSAGE e028(/gkv/rm90\_ud) WITH lv\_carrid INTO DATA(lv\_dummy\_msg).

      "/gkv/rm50\_cl\_odata\_tools=>raise\_error\_message( CAST #( /iwbep/if\_mgw\_conv\_srv\_runtime~get\_message\_container( ) ) ).

      "raise exception

      RAISE EXCEPTION TYPE /iwbep/cx\_mgw\_busi\_exception

        EXPORTING

          "http\_status\_code  = iv\_http\_status\_code

          textid            = /iwbep/cx\_mgw\_tech\_exception=>internal\_error

          message\_container = CAST #( /iwbep/if\_mgw\_conv\_srv\_runtime~get\_message\_container( ) ).

    ENDIF.

    "Mappen in Datenbank-Update-Struktur

    data(ls\_db\_update) = value sflight(          carrid      = er\_entity-carrid

                                                 connid      = er\_entity-connid

                                                 fldate     = er\_entity-fldate

                                                 price      = er\_entity-price

                                                 currency   = er\_entity-currency

                                                 planetype  = er\_entity-planetype

                                                 seatsmax   = er\_entity-seatsmax

                                                 seatsocc   = er\_entity-seatsocc

                                                 paymentsum = er\_entity-paymentsum

                                                 seatsmax\_b = er\_entity-seatsmax\_b

                                                 seatsocc\_b = er\_entity-seatsocc\_b

                                                 seatsmax\_f = er\_entity-seatsmax\_f

                                                 seatsocc\_f = er\_entity-seatsocc\_f ).

    "Create

    try.

        modify sflight from ls\_db\_update.

      catch /iwbep/cx\_mgw\_busi\_exception .

      catch /iwbep/cx\_mgw\_tech\_exception .

    endtry.

  endmethod.

  method sflightset\_update\_entity.

    io\_data\_provider->read\_entry\_data( importing es\_data = er\_entity ).

    LOOP AT it\_key\_tab ASSIGNING FIELD-SYMBOL(<ls\_keys>).

      CASE <ls\_keys>-name.

        WHEN 'Carrid'.

          er\_entity-carrid = CONV S\_CARR\_ID( |{ CONV S\_CARR\_ID( <ls\_keys>-value ) ALPHA = IN }| ).

        WHEN 'Connid'.

          er\_entity-connid = CONV S\_CONN\_ID( |{ CONV S\_CONN\_ID( <ls\_keys>-value ) ALPHA = IN }| ).

        WHEN 'Fldate'.

          er\_entity-fldate = CONV S\_DATE( |{ CONV S\_DATE( <ls\_keys>-value ) }| ).

      ENDCASE.

    ENDLOOP.

    if er\_entity-carrid is initial or er\_entity-connid is initial or er\_entity-fldate is initial.

      "Schlüsselfelder leer - wird einfach ignoriert

      return.

    endif.

    SELECT SINGLE carrid

      FROM sflight

      INTO @DATA(lv\_carrid)

      WHERE carrid = @er\_entity-carrid

        AND fldate = @er\_entity-fldate

        AND connid = @er\_entity-connid.

    IF sy-subrc <> 0.

      "Datensatz existiert nicht

      MESSAGE e028(/gkv/rm90\_ud) WITH lv\_carrid INTO DATA(lv\_dummy\_msg).

      "/gkv/rm50\_cl\_odata\_tools=>raise\_error\_message( CAST #( /iwbep/if\_mgw\_conv\_srv\_runtime~get\_message\_container( ) ) ).

      "raise exception

      RAISE EXCEPTION TYPE /iwbep/cx\_mgw\_busi\_exception

        EXPORTING

          "http\_status\_code  = iv\_http\_status\_code

          textid            = /iwbep/cx\_mgw\_tech\_exception=>internal\_error

          message\_container = CAST #( /iwbep/if\_mgw\_conv\_srv\_runtime~get\_message\_container( ) ).

    ENDIF.

    "Mappen in Datenbank-Update-Struktur

    data(ls\_db\_update) = value sflight(          carrid      = er\_entity-carrid

                                                 connid      = er\_entity-connid

                                                 fldate      = er\_entity-fldate

                                                 price      = er\_entity-price

                                                 currency   = er\_entity-currency

                                                 planetype  = er\_entity-planetype

                                                 seatsmax   = er\_entity-seatsmax

                                                 seatsocc   = er\_entity-seatsocc

                                                 paymentsum = er\_entity-paymentsum

                                                 seatsmax\_b = er\_entity-seatsmax\_b

                                                 seatsocc\_b = er\_entity-seatsocc\_b

                                                 seatsmax\_f = er\_entity-seatsmax\_f

                                                 seatsocc\_f = er\_entity-seatsocc\_f ).

    "Update

    TRY.

    modify sflight from ls\_db\_update.

      CATCH /iwbep/cx\_mgw\_busi\_exception .

      CATCH /iwbep/cx\_mgw\_tech\_exception .

    ENDTRY.

  endmethod.

    method SFLIGHTSET\_DELETE\_ENTITY.

    LOOP AT it\_key\_tab ASSIGNING FIELD-SYMBOL(<ls\_keys>).

      CASE <ls\_keys>-name.

        WHEN 'Carrid'.

          DATA(lv\_carrid) = CONV S\_CARR\_ID( |{ CONV S\_CARR\_ID( <ls\_keys>-value ) ALPHA = IN }| ).

        WHEN 'Connid'.

          DATA(lv\_connid) = CONV S\_CONN\_ID( |{ CONV S\_CONN\_ID( <ls\_keys>-value ) ALPHA = IN }| ).

        WHEN 'Fldate'.

          DATA(lv\_fldate) = CONV S\_DATE( |{ CONV S\_DATE( <ls\_keys>-value ) }| ).

      ENDCASE.

    ENDLOOP.

    if lv\_carrid is initial or lv\_connid is initial or lv\_fldate is initial.

      "Schlüsselfelder leer - wird einfach ignoriert

      return.

    endif.

    SELECT SINGLE carrid

      FROM sflight

      INTO @DATA(lv\_carrid\_exist)

      WHERE carrid = @lv\_carrid

        AND fldate = @lv\_fldate

        AND connid = @lv\_connid.

    IF sy-subrc <> 0.

      "Datensatz existiert nicht

      MESSAGE e028(/gkv/rm90\_ud) WITH lv\_carrid\_exist INTO DATA(lv\_dummy\_msg).

      "/gkv/rm50\_cl\_odata\_tools=>raise\_error\_message( CAST #( /iwbep/if\_mgw\_conv\_srv\_runtime~get\_message\_container( ) ) ).

      "raise exception

      RAISE EXCEPTION TYPE /iwbep/cx\_mgw\_busi\_exception

        EXPORTING

          "http\_status\_code  = iv\_http\_status\_code

          textid            = /iwbep/cx\_mgw\_tech\_exception=>internal\_error

          message\_container = CAST #( /iwbep/if\_mgw\_conv\_srv\_runtime~get\_message\_container( ) ).

    ENDIF.

    "Delete

    TRY.

      DELETE FROM sflight

      WHERE carrid = @lv\_carrid

        AND fldate = @lv\_fldate

        AND connid = @lv\_connid.

      CATCH /iwbep/cx\_mgw\_busi\_exception .

      CATCH /iwbep/cx\_mgw\_tech\_exception .

    ENDTRY.

  endmethod.

1. **Aufgabe 3**
2. **Aufgabe 4 – 8 – Siehe Quellcode**