

# Monitor de Status de Vendas.

## 1. Objetivo

Atualmente não existe um monitor standard para alterar status de ordens de venda em massa.

Deve ser criado um monitor para alterar status dos itens das ordens de venda.

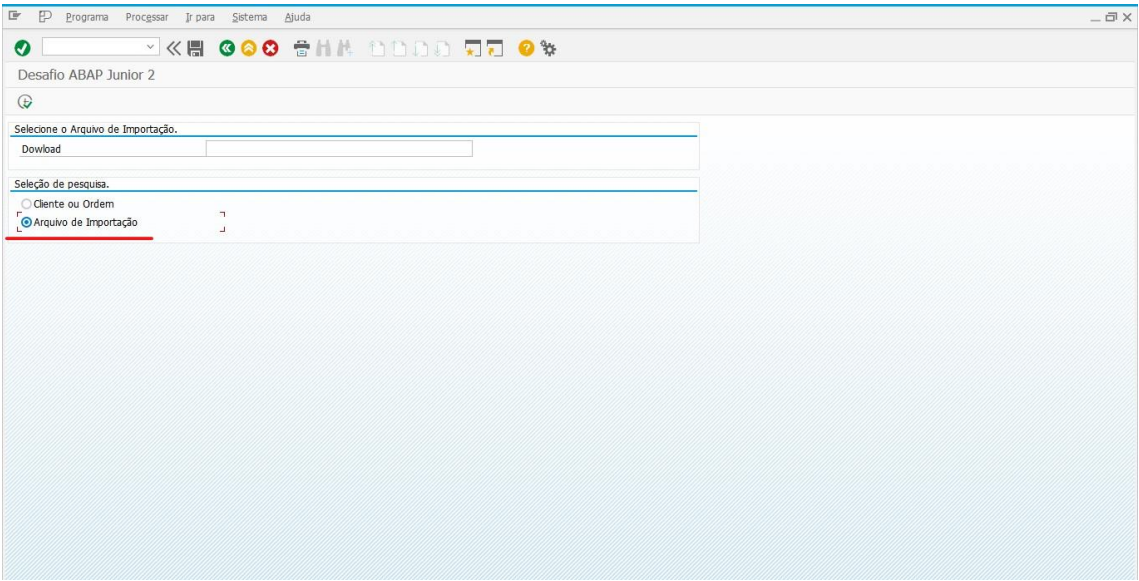
## 2. Especificação Funcional

Criar um programa que selecione os itens das ordens de venda e mostre o resultado em forma de relatório.

Tela de seleção

Este programa deve ter uma tela inicial contendo parâmetros de seleção para usar como filtros.

The screenshot shows a SAP selection screen titled 'Desafio ABAP Junior 2'. The interface includes a menu bar at the top with options: 'Programa', 'Processar', 'Ir para', 'Sistema', and 'Ajuda'. Below the menu is a toolbar with various icons for navigation and actions. The main area contains a section titled 'Cliente ou Ordem' with two input fields: 'Cliente' and 'Ordem de Venda'. To the right of these fields are two 'até' (until) fields and a magnifying glass icon. Below this section is a 'Seleção de pesquisa' (Search Selection) area with two radio buttons: 'Cliente ou Ordem' (selected) and 'Arquivo de Importação'. The background of the main area is a light blue grid.



O relatório deve ter um cabeçalho contendo um botão de ação chamado RECUSAR.

O relatório deve permitir selecionar uma ou várias linhas.

Ao clicar no botão recusar, o programa vai inserir motivo de recusa '00' (sem aspas) nos itens das ordens de vendas selecionados.

Desafio ABAP Junior 2

Recusar

Nome 1	Doc.SD	Criado em	Criado por	Valor líquido	Moeda	Org...	Car S...	St Cliente	Item	Material	Denominação de item
Nome da Empresa	247	30.05.2024	ABAP125	0,00	BRL	OV01	55 50	9000002016			
Lojas Tecidos e Roupas	231	22.04.2024	DEVFIORI619	0,00	BRL	1410	10 00	1			
Erme Eventos	261	03.06.2024	ABAP126	1.000,00	BRL	OV01	55 50	C 9000002020	10	369	CHÁPEUS PARA CHUVA
Lojas Tecidos e Roupas	55	12.09.2019	AGOMEZ	435,00	BRL	1410	10 00	C 1	10	55	Camiseta GG Branca
Lojas Tecidos e Roupas	232	01.05.2024	ABAP85	999,99	BRL	1410	10 00	C 1	10	5	Camisa Polo
Lojas Tecidos e Roupas	63	12.09.2019	AGOMEZ	435,00	BRL	1410	10 00	C 1	10	55	Camiseta, Preto Reativo,
Lojas Tecidos e Roupas	66	24.09.2019	LANDRADE	70,00	BRL	1410	10 00	C 1	10	45	Camisa Polo
Lojas Tecidos e Roupas	53	11.09.2019	DOUZI	5.000,00	BRL	1410	10 00	C 1	10	5	Camisa Polo
Lojas Tecidos e Roupas	68	01.10.2019	LANDRADE	70,00	BRL	1410	10 00	C 1	10	45	Camisa Polo
Lojas Tecidos e Roupas	233	06.05.2024	ABAP86	500,00	BRL	1410	10 00	C 1	10	5	Camisa Polo
Mx Store	325	11.07.2024	ABAP55	5.500,00	BRL	OV01	55 50	A 9000002000	10	M00001	BARRAS ENERGÉTICAS A
Lojas Tecidos e Roupas	304	07.07.2024	ABAP137	999,99	BRL	1410	10 00	A 1	1	5	Camisa Polo
Jefferson Menscheid Bueno - Des	252	01.06.2024	ABAP114	300,00	BRL	OV01	55 50	B 9000002017	10	366	WALKIE TALKIE 2 UNIDA
Lojas Tecidos e Roupas	234	15.05.2024	DEVFIORI557	500,00	BRL	1410	10 00	C 1	10	5	Camisa Polo
Lojas Tecidos e Roupas	205	08.08.2023	ABAP26	0,00	BRL	1410	10 00	C 1	10		
Lojas Tecidos e Roupas	186	01.04.2023	CMARQUES	500,00	BRL	1410	10 00	C 1	10	5	Camisa Polo
Lojas Tecidos e Roupas	202	04.08.2023	ABAP26	0,00	BRL	1410	10 00	C 1	10		
Lojas Tecidos e Roupas	237	21.05.2024	ABAP85	500,00	BRL	1410	10 00	C 1	10	5	Camisa Polo
Lojas Tecidos e Roupas	207	18.08.2023	DEVFIORI552	500,00	BRL	1410	10 00	C 1	10	5	Camisa Polo
Lojas Tecidos e Roupas	238	21.05.2024	ABAP85	500,00	BRL	1410	10 00	C 1	10	5	Camisa Polo
tsre	241	29.05.2024	CMARQUES	250,00	BRL	OV01	55 50	C 9000002010	10	M00001	BARRAS ENERGÉTICAS A
Mx Store	240	28.05.2024	CMARQUES	250,00	BRL	OV01	55 50	A 9000002000	10	M00001	BARRAS ENERGÉTICAS A
tsre	242	29.05.2024	CMARQUES	10,00	BRL	OV01	55 50	C 9000002010	10	352	caixa de bis
empresa do cristiano	243	29.05.2024	CMARQUES	250,00	BRL	OV01	55 50	A 9000002011	10	M00001	BARRAS ENERGÉTICAS A
Lojas Tecidos e Roupas	184	25.03.2023	CMARQUES	500,00	BRL	1410	10 00	C 1	10	5	Camisa Polo
empresa do cristiano	244	29.05.2024	CMARQUES	100,00	BRL	OV01	55 50	C 9000002011	10	353	ERVA DE CHIMARRÃO
Lojas Tecidos e Roupas	206	16.08.2023	ARAP26	0,00	BRL	1410	10 00	C 1	10		



The screenshot shows the SAP 'Desafio ABAP Junior 2' interface. At the top, there is a menu bar with 'Lista', 'Processar', 'Ir para', 'Configurações', 'Sistema', and 'Ajuda'. Below the menu is a toolbar with various icons. The main area displays a table with the following data:

Nome 1	DocSD	Criado em	Criado por	Valor líquido	Moeda	Org...	Car S...	St Cliente	Item Material	Denominação de item	Motivo de recusa
Teste	235	19.05.2024	ABAP115	0,00	BRL	1410	10	00	C 2	10	00

A seleção pode acontecer também através da importação de uma planilha excel

O relatório deve ter um cabeçalho contendo um botão de ação chamado RECUSAR.

O relatório deve permitir selecionar uma ou várias linhas.

Ao clicar no botão recusar, o programa vai inserir motivo de recusa '00' (sem aspas) nos itens das ordens de vendas selecionados.

The screenshot shows the 'Desafio ABAP Junior 2' interface with a dialog box open. The dialog box has the following sections:

- Selecione o Arquivo de Importação.**
  - Download: Projeto ABAP Junior Nível 2\Order\_Status.xlsx
- Seleção de pesquisa.**
  - ☐ Cliente ou Ordem
  - ☒ Arquivo de Importação



Microsoft Excel interface showing a spreadsheet with columns A through O and rows 1 through 22. The data is as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	VBELN	POSNR													
2	294	1													
3	293	1													
4	291	1													
5	290	1													
6	289	1													
7	288	1													
8	287	1													
9	286	1													
10	285	1													
11	284	1													
12	281	1													
13	280	1													
14	277	10													
15	253	10													
16	236	10													
17															
18															
19															
20															
21															
22															

SAP ABAP Junior 2 interface showing a table with columns: Nome 1, Doc.SD, Creado em, Creado por, Valor líquido, Moeda, Org., Car S., St Cliente, Item, Material, Denominação de Item.

Nome 1	Doc.SD	Creado em	Creado por	Valor líquido	Moeda	Org.	Car S.	St Cliente	Item	Material	Denominação de Item
Lojas Tecidos e Roupas	277	19.06.2024	ABAP115	0,00	BRL	1410	10	00 A 1	10		
Lojas Tecidos e Roupas	294	04.07.2024	ABAP137	999,99	BRL	1410	10	00 A 1	1	5	Camisa Polo
Lojas Tecidos e Roupas	281	27.06.2024	ABAP137	999,99	BRL	1410	10	00 A 1	1	5	Camisa Polo
Lojas Tecidos e Roupas	284	02.07.2024	ABAP137	999,99	BRL	1410	10	00 A 1	1	5	Camisa Polo
Lojas Tecidos e Roupas	280	27.06.2024	ABAP137	999,99	BRL	1410	10	00 A 1	1	5	Camisa Polo
Lojas Tecidos e Roupas	285	03.07.2024	ABAP137	999,99	BRL	1410	10	00 A 1	1	5	Camisa Polo
Lojas Tecidos e Roupas	286	03.07.2024	ABAP137	999,99	BRL	1410	10	00 A 1	1	5	Camisa Polo
Lojas Tecidos e Roupas	287	04.07.2024	ABAP137	999,99	BRL	1410	10	00 A 1	1	5	Camisa Polo
Lojas Tecidos e Roupas	288	04.07.2024	ABAP137	999,99	BRL	1410	10	00 A 1	1	5	Camisa Polo
Lojas Tecidos e Roupas	289	04.07.2024	ABAP137	999,99	BRL	1410	10	00 A 1	1	5	Camisa Polo
Lojas Tecidos e Roupas	290	04.07.2024	ABAP137	999,99	BRL	1410	10	00 A 1	1	5	Camisa Polo
Lojas Tecidos e Roupas	291	04.07.2024	ABAP137	999,99	BRL	1410	10	00 A 1	1	5	Camisa Polo
Lojas Tecidos e Roupas	293	04.07.2024	ABAP137	999,99	BRL	1410	10	00 A 1	1	5	Camisa Polo
Teste	236	19.05.2024	ABAP115	0,00	BRL	1410	10	00 A 2	10		
Supermercado Preço Baixo	253	01.06.2024	ABAP115	0,00	BRL	OV01	55	50 C 90000002015	10		

Editor ABAP: Report ZDESAFIO\_ABAPJUNIOR2\_A115 exibir

Editor ABAP: Report ZDESAFIO\_ABAPJUNIOR2\_A115 exibir

Report ZDESAFIO\_ABAPJUNIOR2\_A115 ativo

```
1  *-----*
2  *% Report ZDESAFIO_ABAPJUNIOR2_A115
3  *%-----*
4  *%
5  *%-----*
6  REPORT zdesafio_abapjunior2_a115.
7
8
9  INCLUDE zp_desafio_jr2_a115_s01.
10
11  INCLUDE zp_desafio_jr2_a115_f01.
12
13
14
15
16  *-----*
17  *% Start-Of-Selection
18  *%-----*
19  START-OF-SELECTION.
20
21  IF p_rad1 = 'X'.
22      PERFORM: f_selecionar_dados,
23                f_exibir_alv.
24
25  ELSEIF p_rad2 = 'X'.
26      PERFORM: f_selecionar_p_file,
27                f_montar_p_file,
28                f_exibir_alv.
29  ENDIF.
```

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Editor ABAP: Include ZP\_DESAFIO\_JR2\_A115\_S01 exibir

Include ZP\_DESAFIO\_JR2\_A115\_S01 ativo

```
1  *-----*
2  *% Include ZP_DESAFIO_JR2_A115_S01
3  *%-----*
4
5
6  *-----*
7  *% Classes
8  *%-----*
9
10 " Primeiro passo para implementação do botão
11 CLASS tratar_eventos DEFINITION.
12     PUBLIC SECTION.
13         METHODS:
14             on_user_command FOR EVENT added_function OF cl_salv_events IMPORTING e_salv_function.
15
16     ENDClass.
17
18 CLASS tratar_eventos IMPLEMENTATION.
19
20     METHOD on_user_command.
21         PERFORM f_user_command USING e_salv_function.
22     ENDMETHOD.
23
24     ENDClass.
25
26 *-----*
27 *% Tables
28 *%-----*
29 TABLES: vbak, vbap, knal.
30
```

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Include  ativo

```

28 | * &-----*
29 | TABLES: vbak, vbap, knal.
30 |
31 | * &-----*
32 | * & Types
33 | * &-----*
34 |
35 | TYPES: BEGIN OF type_s_file,
36 |         vbeln TYPE vbak-vbeln,
37 |         posnr TYPE vbap-posnr,
38 |     END OF type_s_file.
39 |
40 | TYPES: type_t_file TYPE TABLE OF type_s_file.
41 |
42 | TYPES: BEGIN OF ty_ordem,
43 |         namel TYPE knal-namel,
44 |         vbeln TYPE vbak-vbeln,
45 |         erdat TYPE vbak-erdat,
46 |         ernam TYPE vbak-ernam,
47 |         netwr TYPE vbak-netwr,
48 |         waerk TYPE vbak-waerk,
49 |         vkorg TYPE vbak-vkorg,
50 |         vtweg TYPE vbak-vtweg,
51 |         spart TYPE vbak-spart,
52 |         gbstk TYPE vbak-gbstk,
53 |         kunnr TYPE vbak-kunnr,
54 |     END OF ty_ordem.
55 |
56 | TYPES: BEGIN OF ty_itens,
57 |         vbeln TYPE vbap-vbeln,

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```

55 |
56 | TYPES: BEGIN OF ty_itens,
57 |         vbeln TYPE vbap-vbeln,
58 |         posnr TYPE vbap-posnr,
59 |         matnr TYPE vbap-matnr,
60 |         arktx TYPE vbap-arktx,
61 |         abgru TYPE vbap-abgru,
62 |     END OF ty_itens.
63 |
64 | * &-----*
65 | * & Variaveis
66 | * &-----*
67 |
68 | DATA: gt_file TYPE type_t_file.
69 |
70 | DATA: gt_ordem          TYPE STANDARD TABLE OF ty_ordem,
71 |        gt_itens          TYPE STANDARD TABLE OF ty_itens,
72 |        gt_fluxo          TYPE STANDARD TABLE OF ztab_desf2_all5,
73 |        gs_fluxo          TYPE ztab_desf2_all5,
74 |        go_alv            TYPE REF TO cl_salv_table,
75 |        go_tratar_eventos TYPE REF TO tratar_eventos.
76 |
77 |
78 | * &-----*
79 | * & Parametros de Seleção
80 | * &-----*
81 | SELECTION-SCREEN BEGIN OF BLOCK b1 WITH FRAME TITLE TEXT-001.
82 |     SELECT-OPTIONS: s_cli FOR knal-kunnr MODIF ID t1,
83 |                    s_odv FOR vbak-vbeln MODIF ID t1.
84 | SELECTION-SCREEN END OF BLOCK b1.

```

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Include	ZP_DESAFIO_JR2_A115_S01	ativo
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```

79 | *% Parametros de Seleção
80 | *% -----
81 | SELECTION-SCREEN BEGIN OF BLOCK b1 WITH FRAME TITLE TEXT-001.
82 |     SELECT-OPTIONS: s_cli FOR knal-kunnr MODIF ID t1,
83 |                     s_odv FOR vbak-vbeln MODIF ID t1.
84 | SELECTION-SCREEN END OF BLOCK b1.
85 |
86 | SELECTION-SCREEN BEGIN OF BLOCK b2 WITH FRAME TITLE TEXT-002.
87 |     PARAMETERS : p_file TYPE ibipparms-path MODIF ID t2.
88 | SELECTION-SCREEN END OF BLOCK b2.
89 |
90 | SELECTION-SCREEN BEGIN OF BLOCK b3 WITH FRAME TITLE TEXT-003.
91 |     PARAMETERS : p_rad1 TYPE boolean RADIOBUTTON GROUP g1 USER-COMMAND muda_tela DEFAULT 'X',
92 |                 p_rad2 TYPE boolean RADIOBUTTON GROUP g1.
93 | SELECTION-SCREEN END OF BLOCK b3.
94 |
95 |
96 | *% -----
97 | *% At Selection Screen.
98 | *% -----
99 | AT SELECTION-SCREEN OUTPUT.
100 |     PERFORM: modifica_tela.
101 |
102 | AT SELECTION-SCREEN ON VALUE-REQUEST FOR p_file.
103 |
104 |
105 |     DATA: lv_rc TYPE i.
106 |     DATA: lt_file_table TYPE filetable,
107 |            ls_file_table TYPE file_table.
108 |

```

Include	ZP_DESAFIO_JR2_A115_S01	ativo
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```

97  *% At Selection Screen.
98  *%-----
99  AT SELECTION-SCREEN OUTPUT.
100     PERFORM: modifica_tela.
101
102  AT SELECTION-SCREEN ON VALUE-REQUEST FOR p_file.
103
104
105     DATA: lv_rc TYPE i.
106     DATA: lt_file_table TYPE filetable,
107            ls_file_table TYPE file_table.
108
109     CALL METHOD cl_gui_frontend_services=>file_open_dialog
110            EXPORTING
111               window_title = 'Select a file'
112            CHANGING
113               file_table   = lt_file_table
114               rc           = lv_rc.
115
116     IF sy-subrc = 0.
117         READ TABLE lt_file_table INTO ls_file_table INDEX 1.
118         p_file = ls_file_table-filename.
119     ENDIF.

```



Editor ABAP: Include ZP\_DESAFIO\_JR2\_A115\_F01 exibir

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Modelo Pretty Printer Elementos de texto

Include ZP\_DESAFIO\_JR2\_A115\_F01 ativo

```
4
5
6  *$-----*
7  *$ Form modifica_tela
8  *$-----*
9  *$ text
10 *$-----*
11 *$ --> p1      text
12 *$ <-- p2      text
13 *$-----*
14 FORM modifica_tela .
15
16 LOOP AT SCREEN.
17   IF p_rad1 = 'X'.
18     IF screen-group1 = 'T2'.
19       screen-invisible = 1.
20       screen-input      = 0.
21       screen-active     = 0.
22       IF screen-name = 'P_FILE-LOW'.
23         screen-input = 0.
24       MODIFY SCREEN.
25     ENDIF.
26     MODIFY SCREEN.
27     CONTINUE.
28   ENDIF.
29   IF screen-group1 = 'T1'.
30     screen-invisible = 0.
31     screen-input      = 1.
32     screen-active     = 1.
33     MODIFY SCREEN.
```

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Editor ABAP: Include ZP\_DESAFIO\_JR2\_A115\_F01 exibir

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Modelo Pretty Printer Elementos de texto

Include ZP\_DESAFIO\_JR2\_A115\_F01 ativo

```
25   ENDIF.
26   MODIFY SCREEN.
27   CONTINUE.
28   ENDIF.
29   IF screen-group1 = 'T1'.
30     screen-invisible = 0.
31     screen-input      = 1.
32     screen-active     = 1.
33     MODIFY SCREEN.
34     CONTINUE.
35   ENDIF.
36   ELSEIF p_rad2 = 'X'.
37     IF screen-group1 = 'T1'.
38       screen-invisible = 1.
39       screen-input      = 0.
40       screen-active     = 0.
41       IF screen-name = 'S_CLI-LOW'.
42         screen-input = 0.
43       MODIFY SCREEN.
44     ENDIF.
45     IF screen-name = 'S_ODV-LOW'.
46       screen-input = 0.
47     MODIFY SCREEN.
48   ENDIF.
49   MODIFY SCREEN.
50   CONTINUE.
51 ENDIF.
52 IF screen-group1 = 'T2'.
53   screen-invisible = 0.
54   screen-input      = 1.
```

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Editor ABAP: Include ZP\_DESAFIO\_JR2\_A115\_F01 exibir

Editor ABAP: Include ZP\_DESAFIO\_JR2\_A115\_F01 exibir

Modelo Pretty Printer Elementos de texto

Include ZP\_DESAFIO\_JR2\_A115\_F01 ativo

```
34      CONTINUE.
35    ENDIF.
36    ELSEIF p_rad2 = 'X'.
37      IF screen-group1 = 'T1'.
38        screen-invisible = 1.
39        screen-input      = 0.
40        screen-active     = 0.
41        IF screen-name = 'S_CLI-LOW'.
42          screen-input = 0.
43          MODIFY SCREEN.
44        ENDIF.
45        IF screen-name = 'S_ODV-LOW'.
46          screen-input = 0.
47          MODIFY SCREEN.
48        ENDIF.
49        MODIFY SCREEN.
50        CONTINUE.
51      ENDIF.
52      IF screen-group1 = 'T2'.
53        screen-invisible = 0.
54        screen-input      = 1.
55        screen-active     = 1.
56        MODIFY SCREEN.
57        CONTINUE.
58      ENDIF.
59    ENDIF.
60  ENDDO.
61 ENDFORM.
```

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Editor ABAP: Include ZP\_DESAFIO\_JR2\_A115\_F01 exibir

Editor ABAP: Include ZP\_DESAFIO\_JR2\_A115\_F01 exibir

Modelo Pretty Printer Elementos de texto

Include ZP\_DESAFIO\_JR2\_A115\_F01 ativo

```
70  *<--> p1      text
71  *<--> p2      text
72  *-----*
73  FORM f_selecionar_p_file .
74
75    DATA : lv_filename      TYPE string,
76            lt_records       TYPE solix_tab,
77            lv_headerxstring TYPE xstring,
78            lv_filelength    TYPE i.
79
80    FIELD-SYMBOLS : <gt_data>      TYPE STANDARD TABLE .
81
82    CHECK p_file IS NOT INITIAL.
83
84    lv_filename = p_file.
85
86    CALL FUNCTION 'GUI_UPLOAD'
87      EXPORTING
88        filename      = lv_filename
89        filetype      = 'BIN'
90      IMPORTING
91        filelength    = lv_filelength
92        header        = lv_headerxstring
93      TABLES
94        data_tab      = lt_records
95      EXCEPTIONS
96        file_open_error    = 1
97        file_read_error   = 2
98        no_batch           = 3
99        gui_refuse_filetransfer = 4
```

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Editor ABAP: Include ZP\_DESAFIO\_JR2\_A115\_F01 exibir

Editor ABAP: Include ZP\_DESAFIO\_JR2\_A115\_F01 exibir

Include ZP\_DESAFIO\_JR2\_A115\_F01 ativo

```
100 invalid_type      = 5
101 no_authority      = 6
102 unknown_error     = 7
103 bad_data_format   = 8
104 header_not_allowed = 9
105 separator_not_allowed = 10
106 header_too_long    = 11
107 unknown_dp_error   = 12
108 access_denied      = 13
109 dp_out_of_memory   = 14
110 disk_full          = 15
111 dp_timeout         = 16
112 OTHERS             = 17.
113
114 CALL FUNCTION 'SCMS_BINARY_TO_XSTRING'
115   EXPORTING
116     input_length = lv_filelength
117   IMPORTING
118     buffer       = lv_headerxstring
119   TABLES
120     binary_tab   = lt_records
121   EXCEPTIONS
122     failed       = 1
123     OTHERS       = 2.
124
125 IF sy-subrc <> 0.
126   "Implement suitable error handling here
127 ENDIF.
128
129
```

ABAP | Li 1 Co 1

Editor ABAP: Include ZP\_DESAFIO\_JR2\_A115\_F01 exibir

Editor ABAP: Include ZP\_DESAFIO\_JR2\_A115\_F01 exibir

Include ZP\_DESAFIO\_JR2\_A115\_F01 ativo

```
127 ENDIF.
128
129
130
131 DATA : lo_excel_ref TYPE REF TO cl_fdt_xl_spreadsheet .
132
133 TRY .
134   lo_excel_ref = NEW cl_fdt_xl_spreadsheet(
135     document_name = lv_filename
136     xdocument      = lv_headerxstring ).
137 CATCH cx_fdt_excel_core.
138   "Implement suitable error handling here
139 ENDTRY .
140
141 "Get List of Worksheets
142 lo_excel_ref->if_fdt_doc_spreadsheet~get_worksheet_names(
143   IMPORTING
144     worksheet_names = DATA(lt_worksheets) ).
145
146 IF NOT lt_worksheets IS INITIAL.
147   READ TABLE lt_worksheets INTO DATA(lv_worksheetname) INDEX 1.
148
149   DATA(lo_data_ref) = lo_excel_ref->if_fdt_doc_spreadsheet~get_itab_from_worksheet(
150     lv_worksheetname ).
151   "now you have excel work sheet data in dyanmic internal table
152   ASSIGN lo_data_ref->* TO <gt;_data>.
153 ENDIF.
154
155 DATA : lv_numberofcolumns TYPE i,
156        lv_data_string      TYPE string.
157
```

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```

Include      ZF_DESAFIO_JR2_A115_F01      atvo
151      "now you have excel work sheet data in dyanmic internal table
152      ASSIGN lo_data_ref->* TO <gt_data>.
153      ENDIF.
154
155      DATA : lv_numberofcolumns   TYPE i,
156              lv_date_string       TYPE string,
157              lv_target_date_field TYPE datum.
158
159
160      FIELD-SYMBOLS : <ls_data> TYPE any,
161                      <lv_field> TYPE any.
162
163      "you could find out number of columns dynamically from table <gt_data>
164      lv_numberofcolumns = 2.
165
166      LOOP AT <gt_data> ASSIGNING <ls_data> FROM 2 .
167
168          APPEND INITIAL LINE TO gt_file ASSIGNING FIELD-SYMBOL(<fs_file>).
169          "processing columns
170          DO lv_numberofcolumns TIMES.
171              ASSIGN COMPONENT sy-index OF STRUCTURE <ls_data> TO <lv_field> .
172              IF sy-subrc = 0 .
173                  CASE sy-index .
174                      WHEN 1 .
175                      *
176                          <fs_file>-vbeln = <lv_field> .
177
178                  CALL FUNCTION 'CONVERSION_EXIT_ALPHA_INPUT'
179                      EXPORTING
180                          input  = <lv_field>
181                      IMPORTING

```



```

172 IF sy-subrc = 0 .
173     CASE sy-index .
174         WHEN 1 .
175             *
176             <fs_file>-vbeln = <lv_field> .
177
178             CALL FUNCTION 'CONVERSION_EXIT_ALPHA_INPUT'
179             EXPORTING
180                 input  = <lv_field>
181             IMPORTING
182                 output = <fs_file>-vbeln.
183
184             WHEN 2 .
185             *
186             <fs_file>-posnr = <lv_field> .
187
188             CALL FUNCTION 'CONVERSION_EXIT_ALPHA_INPUT'
189             EXPORTING
190                 input  = <lv_field>
191             IMPORTING
192                 output = <fs_file>-posnr.
193
194             WHEN OTHERS.
195
196         ENDCASE .
197     ENDIF.
198 ENDDO .
199 NEW-LINE .
200 ENLOOP .
201
202 ENDFORM.

```

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```
205 *-----#
206 *s text
207 *-----#
208 *s --> p1      text
209 *s <-- p2      text
210 *-----#
211 FORM f_montar_p_file .
212
213 IF gt_file IS NOT INITIAL.
214
215     CLEAR: gt_itens, gt_fluxo.
216
217     SELECT knal-namel
218            vbak-vbeln
219            vbak-erdat
220            vbak-ernam
221            vbak-netwr
222            vbak-waerk
223            vbak-vkorg
224            vbak-vtweg
225            vbak-spart
226            vbak-gbstk
227            vbak-kunnr
228     INTO TABLE gt_ordem
229     FROM vbak
230     INNER JOIN knal
231     ON vbak-kunnr = knal-kunnr.
232
233     SELECT vbeln
234            posnr
```

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Include ZP\_DESAFIO\_JR2\_A115\_F01 ativo

```
229 FROM vbak
230 INNER JOIN knal
231 ON vbak-kunnr = knal-kunnr.
232
233 SELECT vbeln
234        posnr
235        matnr
236        arktx
237        abgru
238 INTO TABLE gt_itens
239 FROM vbap
240 FOR ALL ENTRIES IN gt_file
241 WHERE vbap-vbeln = gt_file-vbeln.
242
243 ENDIF.
244
245 LOOP AT gt_itens INTO DATA(ls_itens).
246     READ TABLE gt_ordem INTO DATA(ls_ordem) WITH KEY
247     vbeln = ls_itens-vbeln.
248
249     CLEAR: gs_fluxo.
250     gs_fluxo-namel = ls_ordem-namel.
251     gs_fluxo-vbeln = ls_ordem-vbeln.
252     gs_fluxo-erdat = ls_ordem-erdat.
253     gs_fluxo-ernam = ls_ordem-ernam.
254     gs_fluxo-netwr = ls_ordem-netwr.
255     gs_fluxo-waerk = ls_ordem-waerk.
256     gs_fluxo-vkorg = ls_ordem-vkorg.
257     gs_fluxo-vtweg = ls_ordem-vtweg.
258     gs_fluxo-spart = ls_ordem-spart.
```

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Include ZP\_DESAFIO\_JR2\_A115\_F01 ativo

```
244 LOOP AT gt_itens INTO DATA(ls_itens).
245   READ TABLE gt_ordem INTO DATA(ls_ordem) WITH KEY
246     vbeln = ls_itens-vbeln.
247
248   CLEAR: gs_fluxo.
249   gs_fluxo-namel = ls_ordem-namel.
250   gs_fluxo-vbeln = ls_ordem-vbeln.
251   gs_fluxo-erdat = ls_ordem-erdat.
252   gs_fluxo-ernam = ls_ordem-ernam.
253   gs_fluxo-netwr = ls_ordem-netwr.
254   gs_fluxo-waerk = ls_ordem-waerk.
255   gs_fluxo-vkorg = ls_ordem-vkorg.
256   gs_fluxo-vtweg = ls_ordem-vtweg.
257   gs_fluxo-spart = ls_ordem-spart.
258   gs_fluxo-gbstk = ls_ordem-gbstk.
259   gs_fluxo-kunnr = ls_ordem-kunnr.
260   gs_fluxo-posnr = ls_itens-posnr.
261   gs_fluxo-matnr = ls_itens-matnr.
262   gs_fluxo-arktx = ls_itens-arktx.
263   gs_fluxo-abgru = ls_itens-abgru.
264
265   APPEND gs_fluxo TO gt_fluxo.
266 ENDLOOP.
267
268 ENDFORM.
269
270
271
272
273
```

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Include ZP\_DESAFIO\_JR2\_A115\_F01 ativo

```
277 *-----*
278 *--> p1      text
279 * <-- p2      text
280 *-----*
281 FORM f_selecionar_dados .
282
283   CLEAR: gt_itens, gt_fluxo.
284
285   SELECT knal-namel
286     vbak-vbeln
287     vbak-erdat
288     vbak-ernam
289     vbak-netwr
290     vbak-waerk
291     vbak-vkorg
292     vbak-vtweg
293     vbak-spart
294     vbak-gbstk
295     vbak-kunnr
296   INTO TABLE gt_ordem
297   FROM vbak
298   INNER JOIN knal
299     ON vbak-kunnr = knal-kunnr
300   WHERE vbak-kunnr IN s_cli
301     AND vbak-vbeln IN s_odv.
302
303   IF sy-subrc IS INITIAL.
304
305     SELECT vbeln
306
```

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Include ZP\_DESAFIO\_JR2\_A115\_F01 ativo

```
304 IF sy-subrc IS INITIAL.
305
306     SELECT vbeln
307           posnr
308           matnr
309           arktx
310           abgru
311     FROM vbap
312     INTO TABLE gt_itens
313     FOR ALL ENTRIES IN gt_ordem
314     WHERE vbeln = gt_ordem-vbeln.
315
316 ENDIF.
317
318 IF sy-subrc IS INITIAL.
319
320     LOOP AT gt_ordem INTO DATA(ls_ordem).
321       READ TABLE gt_itens INTO DATA(ls_itens)
322       WITH KEY vbeln = ls_ordem-vbeln.
323
324       CLEAR: gs_fluxo.
325       gs_fluxo-namel = ls_ordem-namel.
326       gs_fluxo-vbeln = ls_ordem-vbeln.
327       gs_fluxo-erdat = ls_ordem-erdat.
328       gs_fluxo-ernam = ls_ordem-ernam.
329       gs_fluxo-netwr = ls_ordem-netwr.
330       gs_fluxo-waerk = ls_ordem-waerk.
331       gs_fluxo-vkorg = ls_ordem-vkorg.
332       gs_fluxo-vtweg = ls_ordem-vtweg.
333       gs_fluxo-spart = ls_ordem-spart.
```

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Include ZP\_DESAFIO\_JR2\_A115\_F01 ativo

```
319
320     LOOP AT gt_ordem INTO DATA(ls_ordem).
321       READ TABLE gt_itens INTO DATA(ls_itens)
322       WITH KEY vbeln = ls_ordem-vbeln.
323
324       CLEAR: gs_fluxo.
325       gs_fluxo-namel = ls_ordem-namel.
326       gs_fluxo-vbeln = ls_ordem-vbeln.
327       gs_fluxo-erdat = ls_ordem-erdat.
328       gs_fluxo-ernam = ls_ordem-ernam.
329       gs_fluxo-netwr = ls_ordem-netwr.
330       gs_fluxo-waerk = ls_ordem-waerk.
331       gs_fluxo-vkorg = ls_ordem-vkorg.
332       gs_fluxo-vtweg = ls_ordem-vtweg.
333       gs_fluxo-spart = ls_ordem-spart.
334       gs_fluxo-gbstk = ls_ordem-gbstk.
335       gs_fluxo-kunnr = ls_ordem-kunnr.
336       gs_fluxo-posnr = ls_itens-posnr.
337       gs_fluxo-matnr = ls_itens-matnr.
338       gs_fluxo-arktx = ls_itens-arktx.
339       gs_fluxo-abgru = ls_itens-abgru.
340
341       APPEND gs_fluxo TO gt_fluxo.
342     ENDLOOP.
343   ENDIF.
344
345 ENDFORM.
```

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Include	ZP_DESAFIO_JR2_A115_F01	ativo
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```

355      *% --> p1          text
356      *% <-- p2          text
357      *%
358  □ FORM f_exibir_alv .
359
360  □ TRY.
361      cl_salv_table=>factory(
362          IMPORTING
363              r_salv_table = go_alv
364              CHANGING
365                  t_table = gt_fluxo
366              ).
367
368      CATCH cx_salv_msg.
369      ENDTRY.
370
371      " Alterando os titulos das colunas
372      DATA: lo_columns TYPE REF TO cl_salv_columns_table,
373            lr_column  TYPE REF TO cl_salv_column.
374
375      " Obter configuração de todas as colunas
376      lo_columns = go_alv->get_columns( ).
377
378  □ TRY.
379      lr_column = lo_columns->get_column( columnname = 'MANDT' ).
380      lr_column->set_visible( value = abap_false ).
381
382      CATCH cx_salv_not_found.
383      ENDTRY.
384
385      go_alv->set_screen_status(

```



Include	ZP_DESAFIO JR2 A115 F01	ativo
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```

376 lo_columns = go_alv->get_columns( ).
377
378 TRY.
379     lr_column = lo_columns->get_column( columnname = 'MANDT' ).
380     lr_column->set_visible( value = abap_false ).
381 CATCH cx_salv_not_found.
382 ENDTRY.
383
384 go_alv->set_screen_status(
385     pfstatus = 'ZSTANDARD'
386     report = sy-repid
387     set_functions = go_alv->c_functions_all
388 ).
389
390
391 -----
392 *% Ativar Seleção Multipla.
393 -----
394
395 DATA: lo_selections TYPE REF TO cl_salv_selections.
396 lo_selections = go_alv->get_selections( ).
397 lo_selections->set_selection_mode( if_salv_c_selection_mode=>row_column ).
398
399 -----
400 *% Final Ativar Seleção Multipla.
401 -----
402
403 " Segundo passo para tratar a seleção do botao.
404
405 DATA: lr_eventos TYPE REF TO cl_salv_events_table.

```

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```
400  *% Final Ativar Seleção Multipla.
401  *%-----*
402
403  " Segundo passo para tratar a seleção do botao.
404
405  DATA: lr_eventos TYPE REF TO cl_salv_events_table.
406  lr_eventos = go_alv->get_event( ).
407
408  CREATE OBJECT go_tratar_eventos.
409  SET HANDLER go_tratar_eventos->on_user_command FOR lr_eventos.
410
411  go_alv->display( ).
412
413  ENDFORM.
414
415
416  *%-----*
417  *% Form f_user_command
418  *%-----*
419  *% text
420  *%-----*
421  *% --> E_SALV_FUNCTION
422  *%-----*
423  FORM f_user_command USING i_function TYPE salv_de_function.
424
425
426  DATA: lo_selections TYPE REF TO cl_salv_selections,
427        lt_rows       TYPE salv_t_row.
428
429  CASE i_function.
```

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Include ZP\_DESAFIO\_JR2\_A115\_F01 ativo

```
421  *% --> E_SALV_FUNCTION
422  *%-----*
423  FORM f_user_command USING i_function TYPE salv_de_function.
424
425
426  DATA: lo_selections TYPE REF TO cl_salv_selections,
427        lt_rows       TYPE salv_t_row.
428
429  CASE i_function.
430  WHEN 'RECUSAR'.
431
432    lo_selections = go_alv->get_selections( ).
433    lt_rows = lo_selections->get_selected_rows( ).
434
435
436    LOOP AT lt_rows INTO DATA(ls_row).
437      READ TABLE gt_fluxo INTO DATA(ls_fluxo) INDEX ls_row.
438
439      IF ls_fluxo-abgru IS INITIAL.
440        PERFORM f_recusar_item USING ls_fluxo.
441      ELSE.
442        MESSAGE 'Este item ja consta motivo de recusa!' TYPE 'I' DISPLAY LIKE 'E'.
443        RETURN.
444      ENDIF.
445    ENDLOOP.
446
447    IF p_rad1 = 'X'.
448      PERFORM f_selecionar_dados.
449      go_alv->refresh( ).
450
```

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