Maintenance Dialog

Alex Gönczy

@abapmentor | abapmentor.expertise-team.com

pluralsight

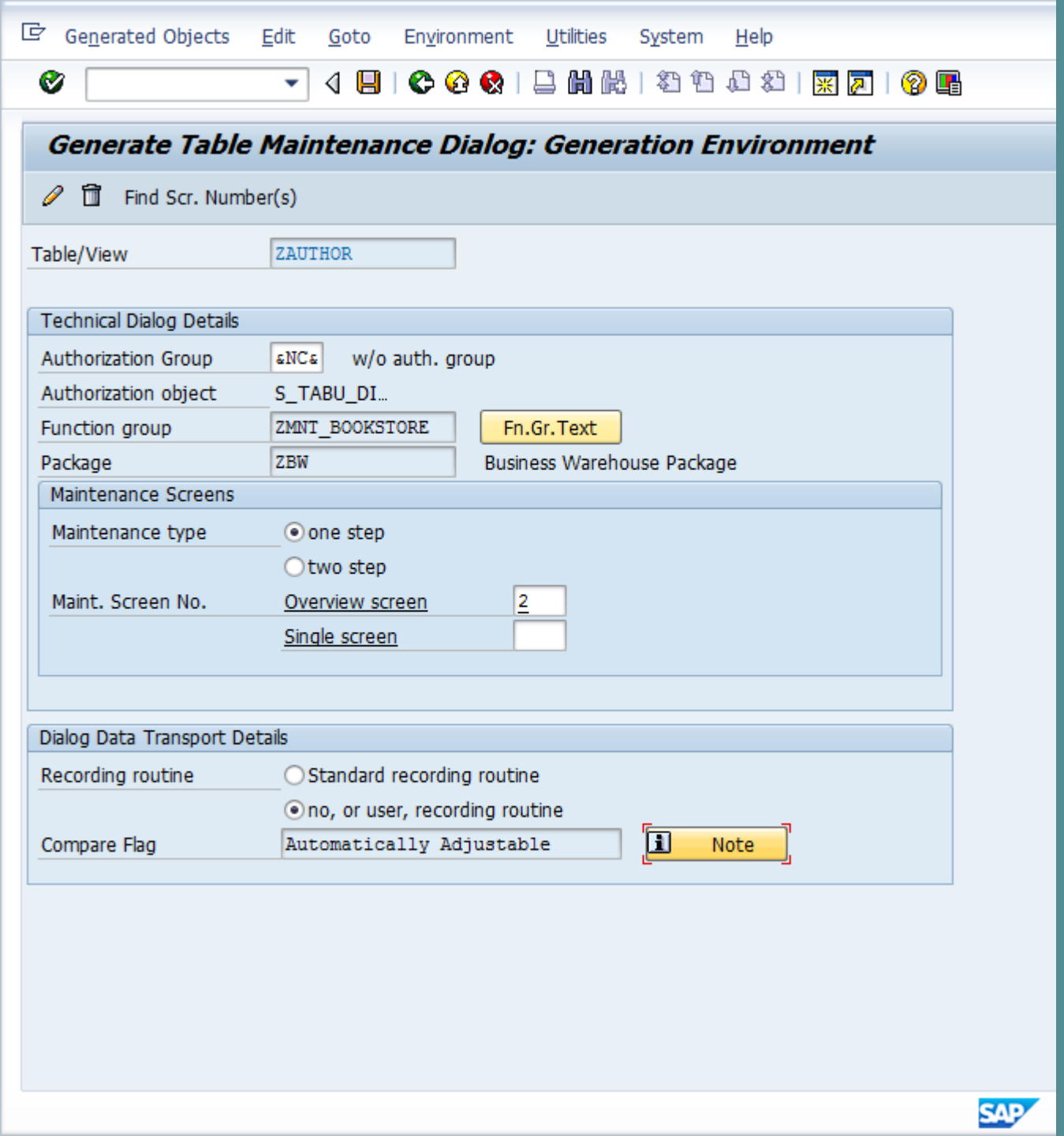

Table Maintenance Generator

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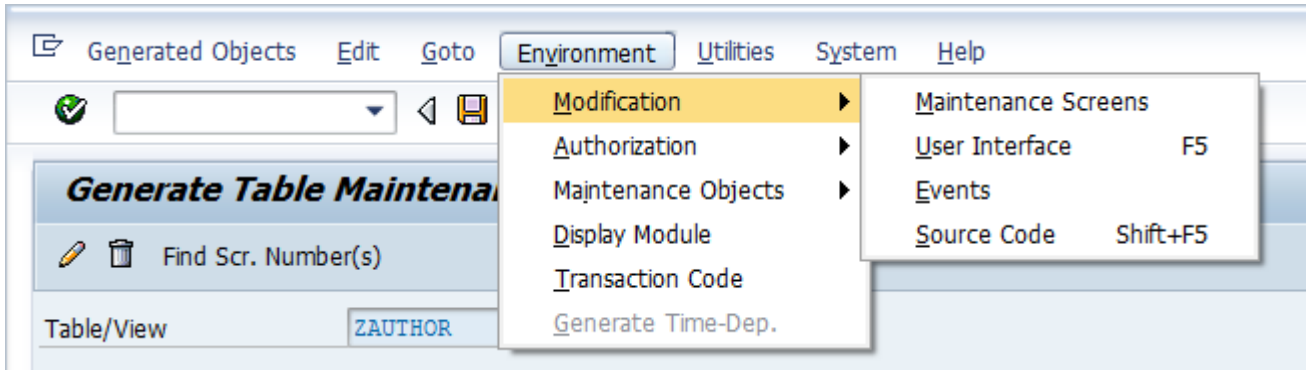
Modifications of Table Maintenance Generator

Maintenance Screens	User Interface	Events	Source Code



pluralsight

Development Workflow

ZAUTHOR
Author

ZBOOK
Book

ZSTREET
Street

ZPUBLISHER
Publisher

ZCITY
City

ZCUSTOMER
Customer

ZSTATE
State

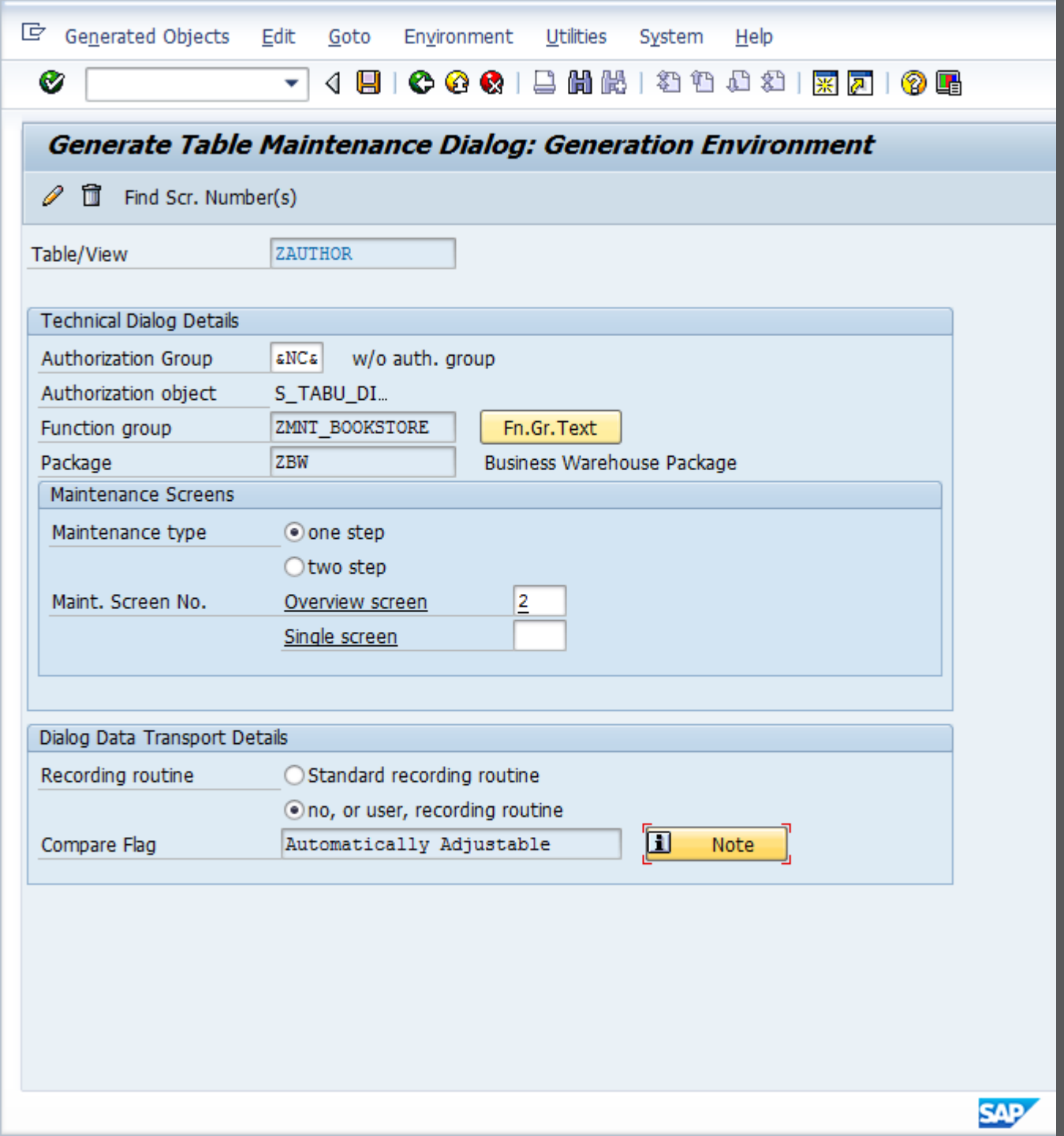
ZORDERITEM
Order Item

ZCOUNTRY
Country

ZADDRESS
Address

ZORDER
Order

pluralsight



ZAUTHOR

Author

Authorization Group	&NC&
Authorization Object	S_TABU_DIS
Function group	ZMNT_BOOKSTORE
Maintenance type	One Step
Maintenance Screen Num.	Propose a new Screen Number
Recording Routine	No, or user, recording routine

pluralsight

ZPUBLISHER
Publisher

ZBOOK
Book

ZCOUNTRY
Country

ZSTATE
State

ZCITY
City

ZSTREET
Street

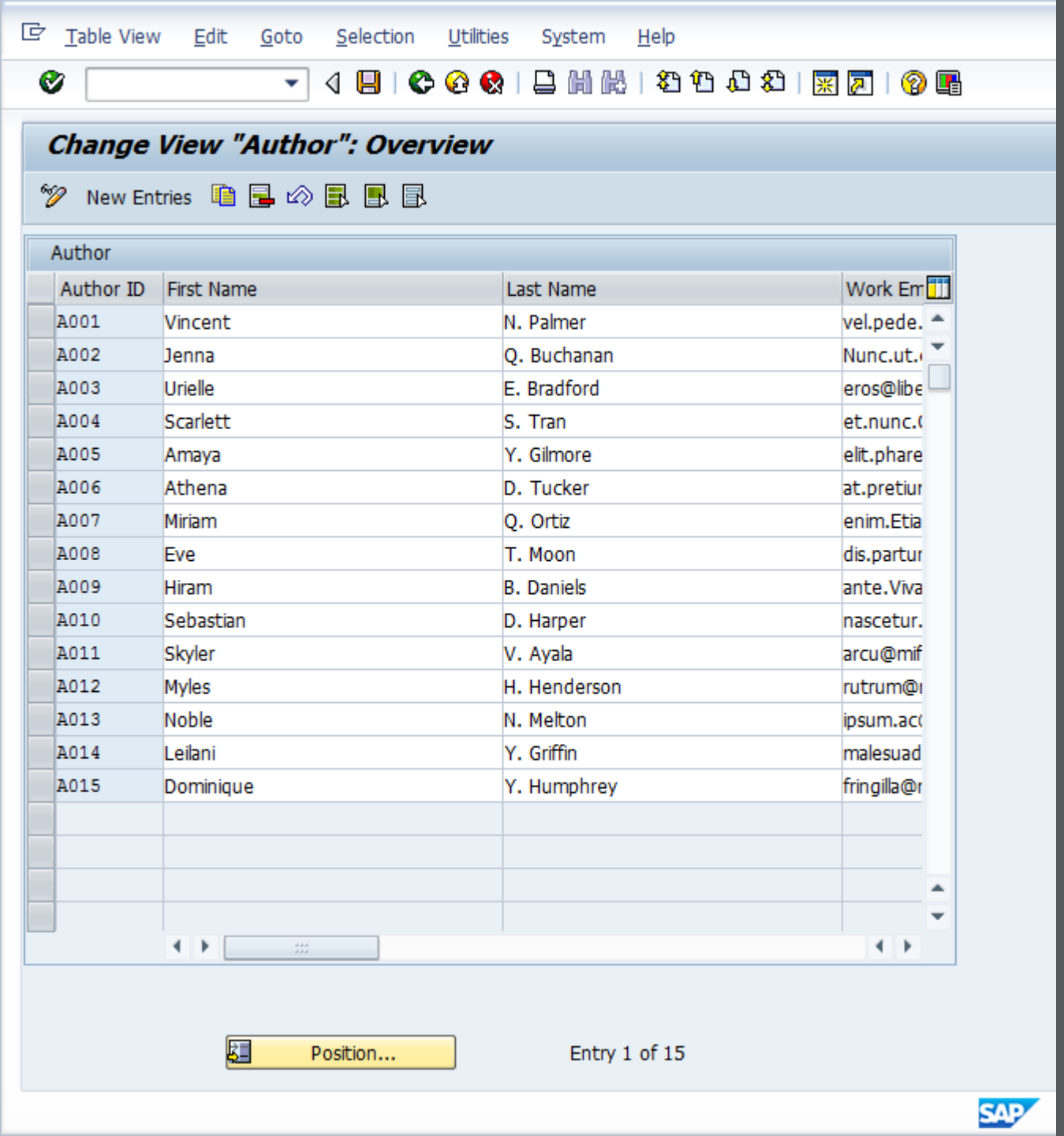
ZADDRESS
Address

ZCUSTOMER
Customer

ZORDER
Order

ZORDERITEM
Order Item

pluralsight



ZAUTHOR

Author

Filename sample_data_zauthor.xlsx

pluralsight

ZPUBLISHER
Publisher

Filename sample_data_zpublisher.xlsx

ZBOOK
Book

Filename sample_data_zbook.xlsx

ZCOUNTRY
Country

Filename sample_data_zcountry.xlsx

ZSTATE
State

Filename sample_data_zstate.xlsx

ZCITY
City

Filename sample_data_zcity.xlsx

ZSTREET
Street

Filename sample_data_zstreet.xlsx

ZADDRESS
Address

Filename sample_data_zaddress.xlsx

ZCUSTOMER
Customer

Filename sample_data_zcustomer.xlsx

ZORDER
Order

Filename sample_data_zorder.xlsx

ZORDERITEM
Order Item

Filename sample_data_zorderitem.xlsx

pluralsight

ZPUBLISHER
Publisher

Filename sample_data_zpublisher.xlsx

ZBOOK
Book

Filename sample_data_zbook.xlsx

ZCOUNTRY
Country

Filename sample_data_zcountry.xlsx

ZSTATE
State

Filename sample_data_zstate.xlsx

ZCITY
City

Filename sample_data_zcity.xlsx

ZSTREET
Street

Filenam a_zorder.xlsx

ZADDRESS
Address

Filename sample_data_zaddress.xlsx

ZCUSTOMER
Customer

Filename sample_data_zcustomer.xlsx

ZORDERITEM
Order Item

Filename sample_data_zorderitem.xlsx

Next

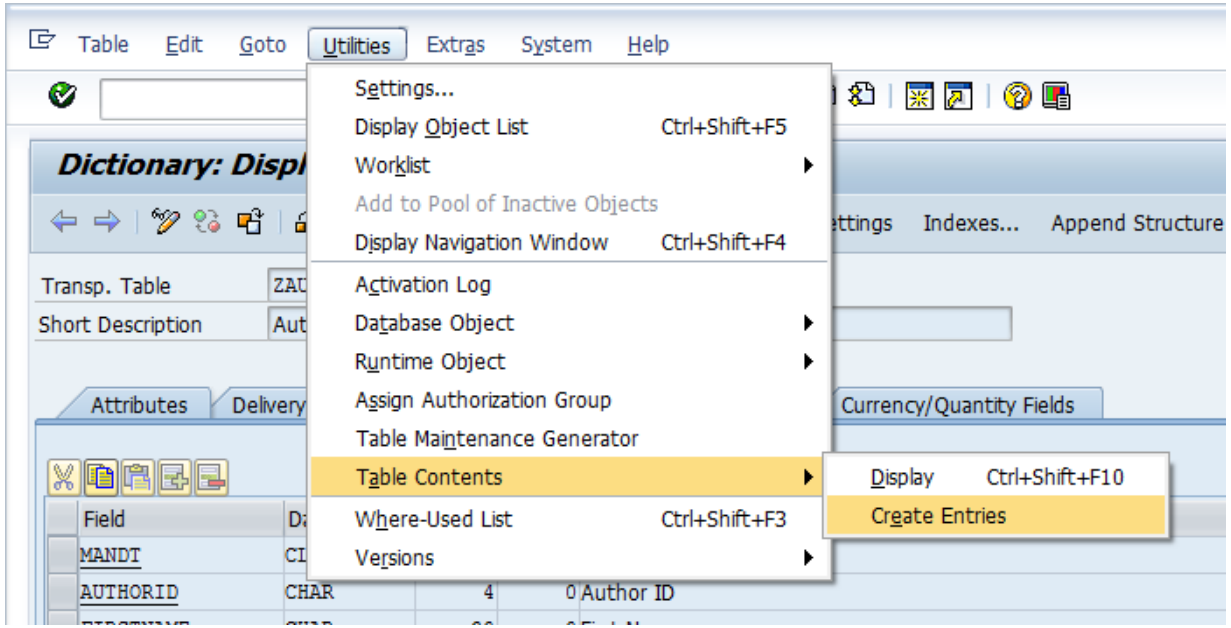
Maintain Database Tables in an Easy Way

pluralsight

Maintenance Dialog

Maintain Database Tables in an Easy Way

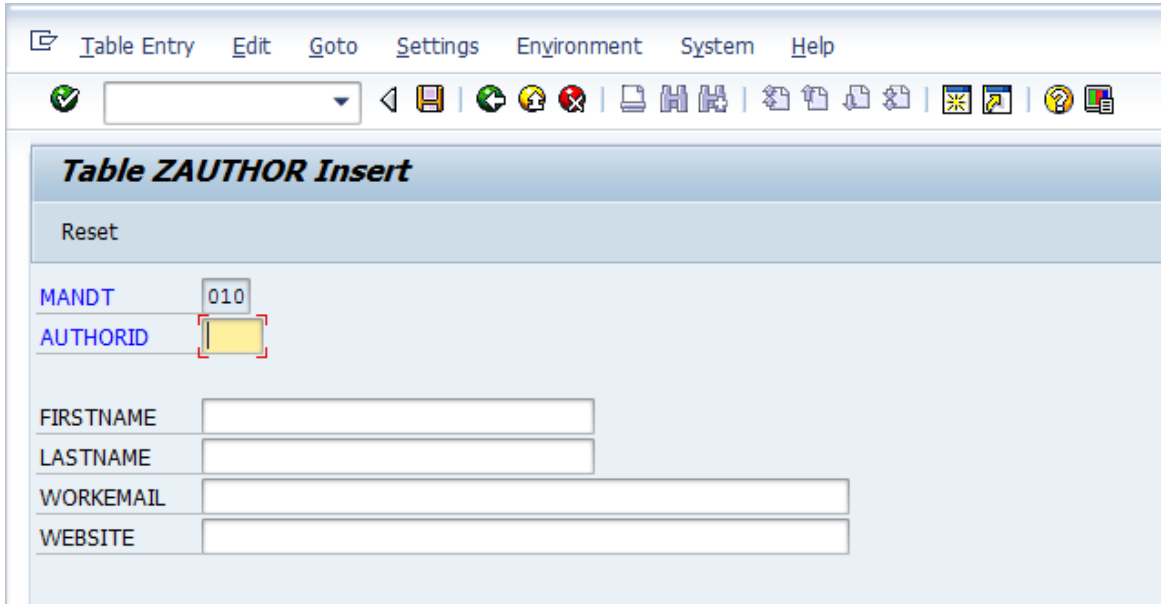
pluralsight



Not for maintaining data

No multiple insertion is available

No access to transactions SE11 or SE16



pluralsight

Generated Objects Edit Goto Environment Utilities System Help

Generate Table Maintenance Dialog: Generation Environment

Find Scr. Number(s)

Table/View ZAUTHOR

Technical Dialog Details

Authorization Group &NC& w/o auth. group

Authorization object S_TABU_DI…

Function group ZMNT_BOOKSTORE Fn.Gr.Text

Package ZBW Business Warehouse Package

Maintenance Screens

Maintenance type (•) one step ( ) two step

Maint. Screen No. Overview screen 2

Single screen

Dialog Data Transport Details

Recording routine ( ) Standard recording routine

(•) no, or user, recording routine

Compare Flag Automatically Adjustable Note

Table Maintenance Generator

Restrict Value Range (1) 309 Entries found

Restrictions

AuGr	Description
&NC&	w/o auth. group
/ASU	ASU Toolbox
0SBC	Set Country Version
AA	AM: Application Tab.
AC	AM: User Control
ALE0	ALE: Table Maint.
ALE1	ALE: Serialization
AQPR	Query Log
AS	AM: SAP Control
B0SD	System Data Maint.
BALV	ALV Extensions
BCSV	Status Profile Maint
BCTA	TabAnalys. Administr
BIWH	BI Warehouse
BS	SAP control
BSV	Status Profile Maint
BUPC	BUPA: Customizing
BUPS	BUPA: Control
BWA	BW Standard Table

309 Entries found

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Table Maintenance Generator

Generated Objects | Edit | Goto | Environment | Utilities | System | Help

Generate Table Maintenance Dialog: Generation Environment

Find Scr. Number(s)

Table/View: ZAUTHOR

Technical Dialog Details

- Authorization Group: &NC& — w/o auth. group
- Authorization object: S_TABU_DI…
- Function group: ZMNT_BOOKSTORE — Fn.Gr.Text
- Package: ZBW — Business Warehouse Package

Maintenance Screens

- Maintenance type: (•) one step ( ) two step
- Maint. Screen No.: Overview screen 2; Single screen

Dialog Data Transport Details

- Recording routine: ( ) Standard recording routine (•) no, or user, recording routine
- Compare Flag: Automatically Adjustable — Note

Program | Edit | Goto | Utilities | Environment | System | Help

ABAP Editor: Display FunctionPool SAPLZMNT_BOOKST

Pattern

FunctionPool: SAPLZMNT_BOOKSTORE — Active

```
1  * regenerated at 2015.02.07 18:17:28 by  MES
2  ***********************************************
3  *   System-defined Include-files.
4  ***********************************************
5    INCLUDE LZMNT_BOOKSTORETOP.
6    INCLUDE LZMNT_BOOKSTOREUXX.
7
8  ***********************************************
9  *   User-defined Include-files (if necessary)
10 ***********************************************
11 * INCLUDE LZMNT_BOOKSTOREF...
12 * INCLUDE LZMNT_BOOKSTOREO...
13 * INCLUDE LZMNT_BOOKSTOREI...
14 * INCLUDE LZMNT_BOOKSTOREE...
15 * INCLUDE LZMNT_BOOKSTOREP...
16   INCLUDE LZMNT_BOOKSTOREF00
17   INCLUDE LZMNT_BOOKSTOREI00
18   INCLUDE LSVIMFXX
19   INCLUDE LSVIMOXX
20   INCLUDE LSVIMIXX
```

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Table Maintenance Generator

Generated Objects | Edit | Goto | Environment | Utilities | System | Help

Generate Table Maintenance Dialog: Generation Environment

Find Scr. Number(s)

Table/View: ZAUTHOR

Technical Dialog Details

- Authorization Group: &NC& — w/o auth. group
- Authorization object: S_TABU_DI…
- Function group: ZMNT_BOOKSTORE — Fn.Gr.Text
- Package: ZBW — Business Warehouse Package

Maintenance Screens

- Maintenance type: (•) one step ( ) two step
- Maint. Screen No.: Overview screen 2; Single screen

Dialog Data Transport Details

- Recording routine: ( ) Standard recording routine (•) no, or user, recording routine
- Compare Flag: Automatically Adjustable — Note

Table View | Edit | Goto | Selection | Utilities | System | Help

Change View "Author": Overview

New Entries

Author

Author ID	First Name	Last Name
A001	Vincent	N. Palmer
A002	Jenna	Q. Buchanan
A003	Urielle	E. Bradford
A004	Scarlett	S. Tran
A005	Amaya	Y. Gilmore
A006	Athena	D. Tucker
A007	Miriam	Q. Ortiz
A008	Eve	T. Moon
A009	Hiram	B. Daniels
A010	Sebastian	D. Harper
A011	Skyler	V. Ayala

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Generated Objects Edit Goto Environment Utilities System Help

Generate Table Maintenance Dialog: Generation Environment

Find Scr. Number(s)

Table/View ZAUTHOR

Technical Dialog Details

Authorization Group &NC& w/o auth. group

Authorization object S_TABU_DI…

Function group ZMNT_BOOKSTORE Fn.Gr.Text

Package ZBW Business Warehouse Package

Maintenance Screens

Maintenance type (•) one step ( ) two step

Maint. Screen No. Overview screen 2

Single screen

Dialog Data Transport Details

Recording routine ( ) Standard recording routine

(•) no, or user, recording routine

Compare Flag Automatically Adjustable Note

Table Maintenance Generator

Table View Edit Goto Selection Utilities System Help

Change View "Author": Overview

New Entries

Author

Author ID	First Name	Last Name	Work Em
A001	Vincent	N. Palmer	vel.pede.
A002	Jenna	Q. Buchanan	Nunc.ut.

Table View Edit Goto Selection Utilities System Help

Change View "Author": Details

New Entries

Author ID A001

Author

First Name Vincent

Last Name N. Palmer

Work Email vel.pede.blandit@felis.co.uk

Website URL www.felis.co.uk

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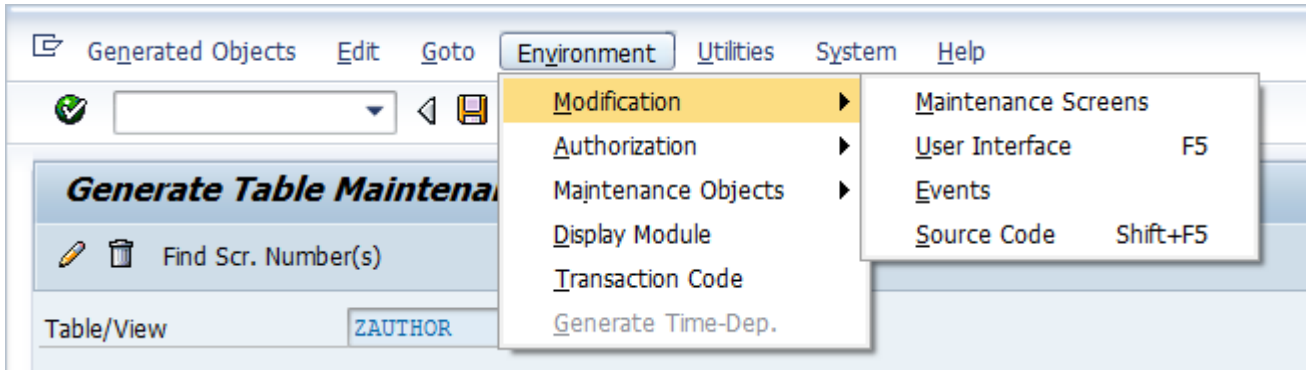
Modifications of Table Maintenance Generator

Maintenance Screens	User Interface	Events	Source Code



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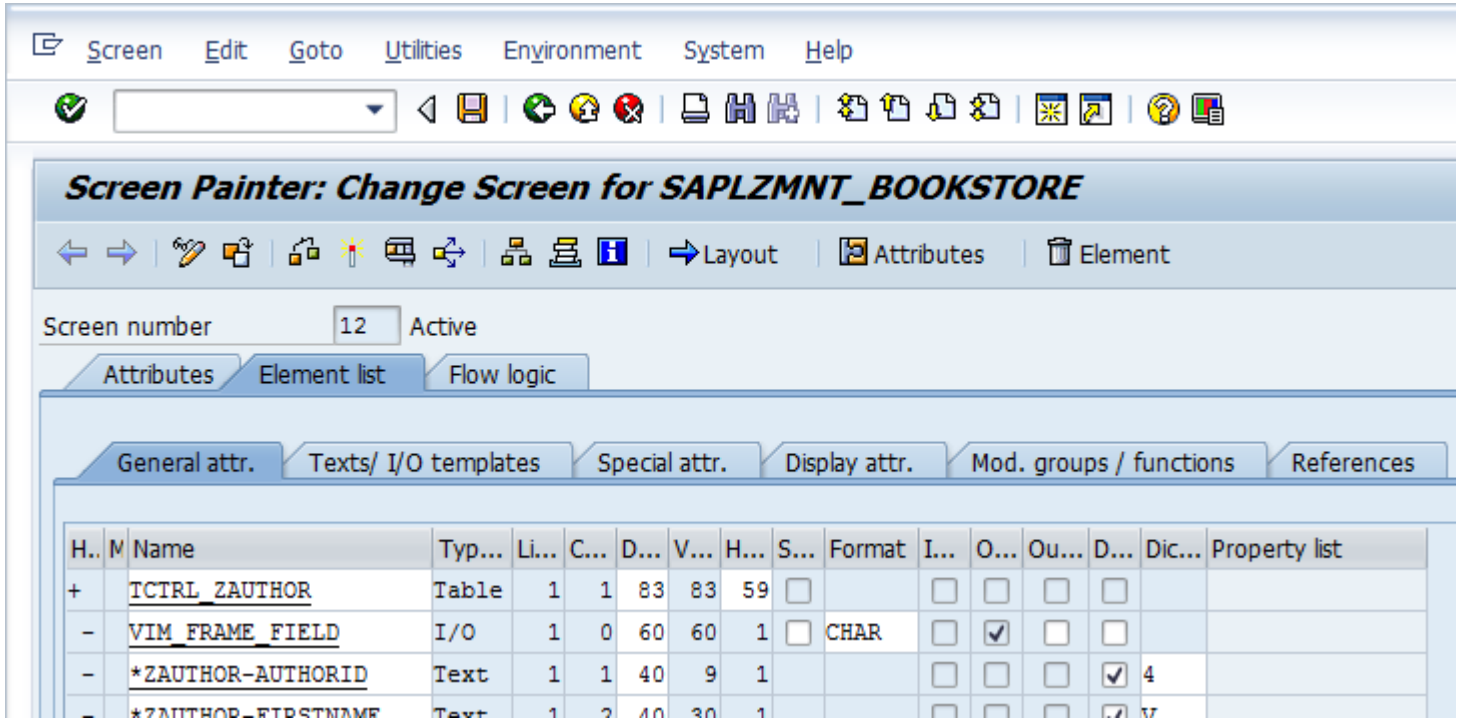
Modifications of Table Maintenance Generator

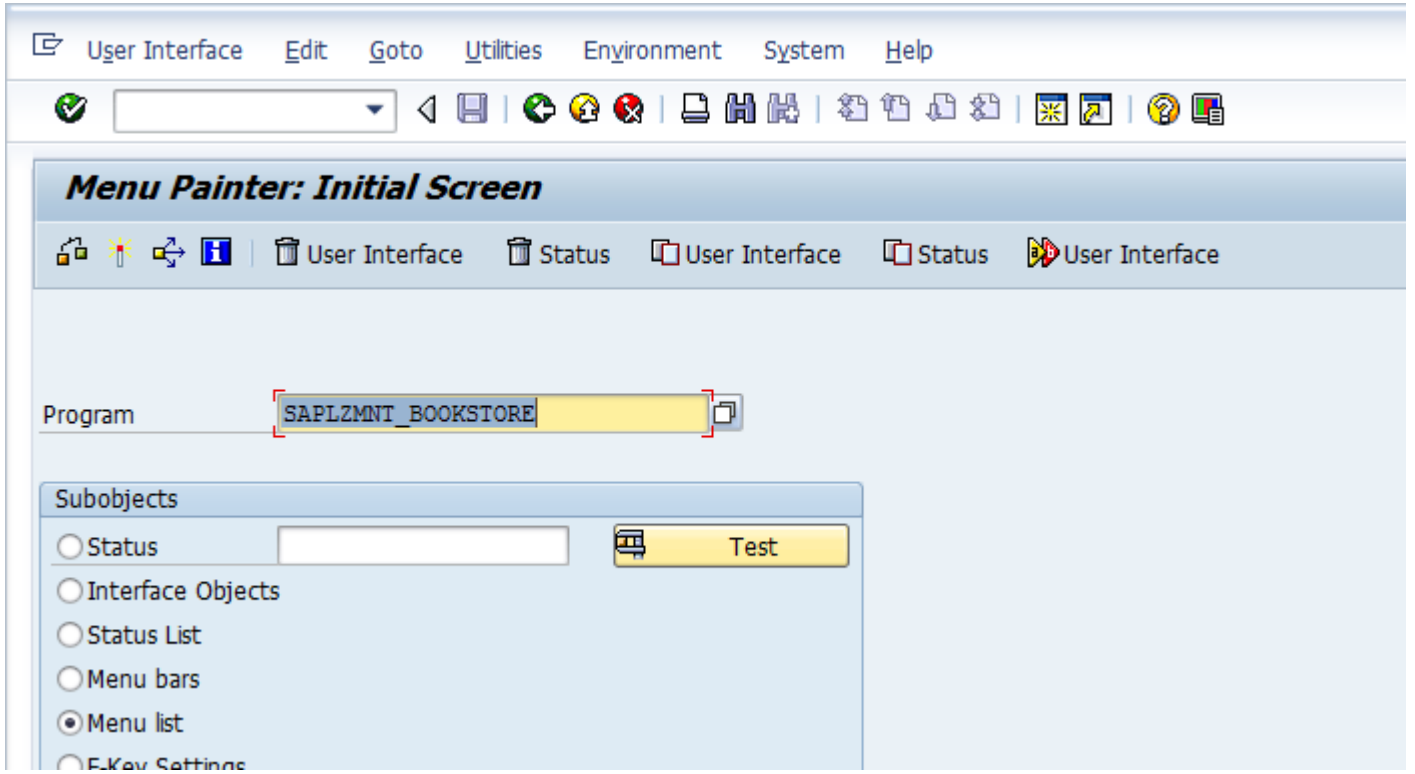
Maintenance Screens | User Interface | Events | Source Code



pluralsight

Modifications of Table Maintenance Generator

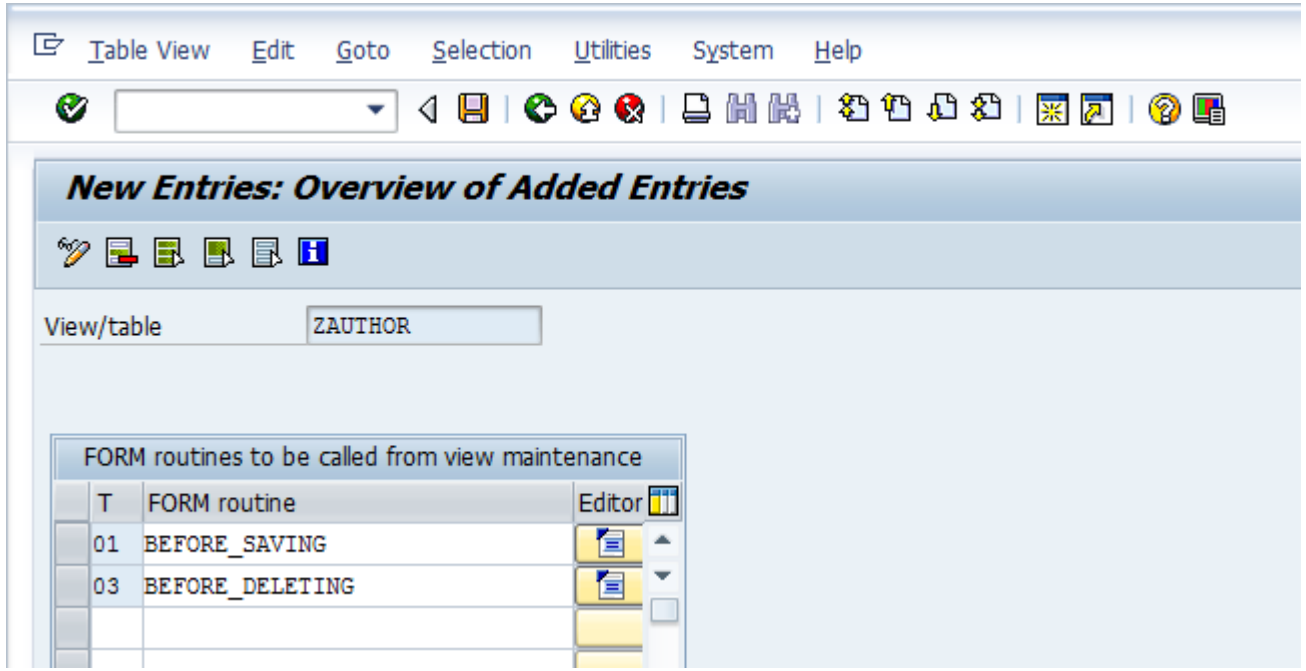
Maintenance Screens	User Interface	Events	Source Code



pluralsight

Modifications of Table Maintenance Generator

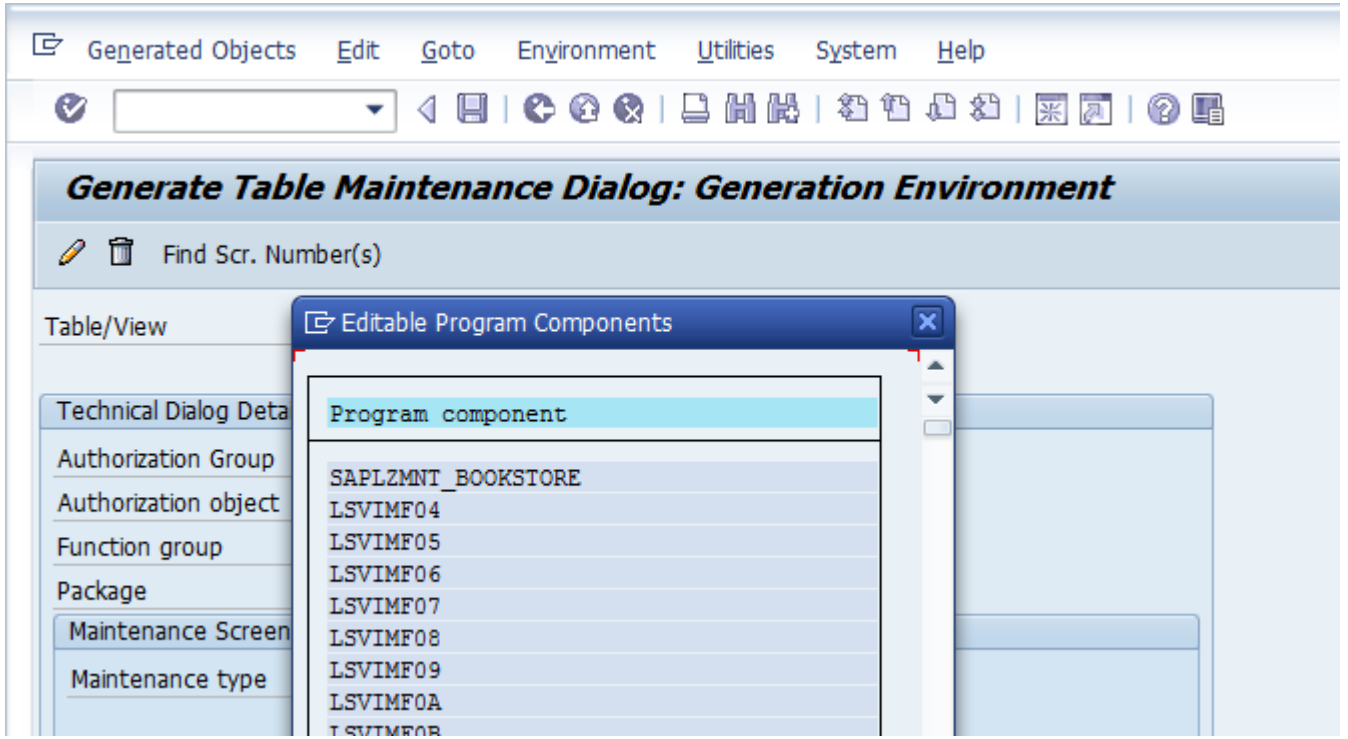
Maintenance Screens	User Interface	Events	Source Code



pluralsight

Modifications of Table Maintenance Generator

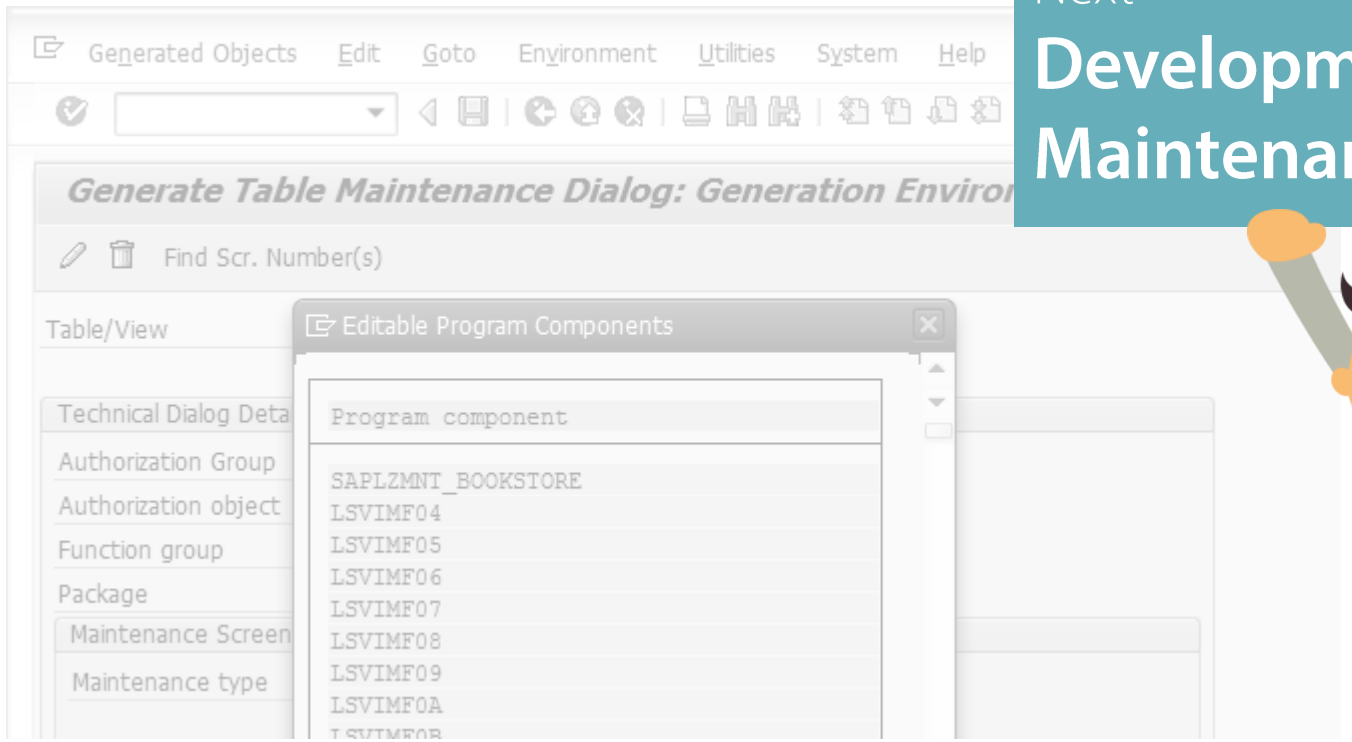
Maintenance Screens	User Interface	Events	Source Code



pluralsight

Modifications of Table Maintenance Generator

Maintenance Screens	User Interface	Events	Source Code



Next

Development Workflow: Maintenance Dialog

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Maintenance Dialog

Development Workflow: Maintenance Dialog

pluralsight

List of Potential Maintenance Dialogs

ZAUTHOR	ZORDER	ZBOOK	ZPUBLISHER
Author	Order	Book	Publisher

ZCUSTOMER	ZORDERITEM	ZADDRESS	ZSTREET
Customer	Order Item	Address	Street

ZCITY	ZSTATE	ZCOUNTRY
City	State	Country

pluralsight

Development Workflow

ZAUTHOR
Author

ZBOOK
Book

ZSTREET
Street

ZPUBLISHER
Publisher

ZCITY
City

ZCUSTOMER
Customer

ZSTATE
State

ZORDERITEM
Order Item

ZCOUNTRY
Country

ZADDRESS
Address

ZORDER
Order

pluralsight

Development Workflow

ZAUTHOR

Author

ZBOOK

Book

ZSTREET

Street

ZPU

Pub

ZCU

Customer

State

ZORDERITEM

Order Item

ZADDRESS

Address

ER

Next

Group Exercise: Creating Maintenance Dialogs

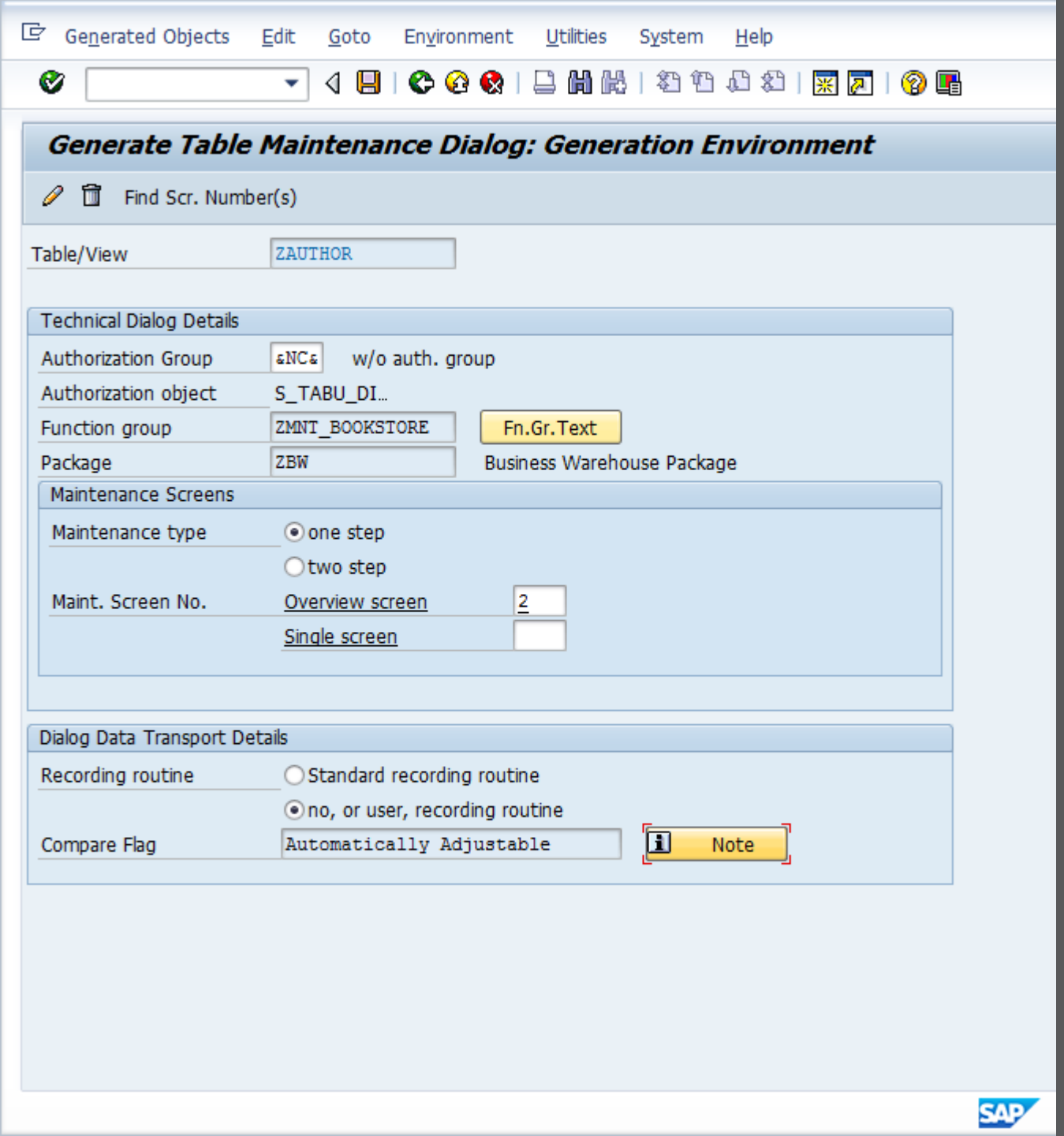
pluralsight

Group Exercises

Attendee

Instructor

pluralsight



ZAUTHOR

Author

Authorization Group	&NC&
Authorization Object	S_TABU_DIS
Function group	ZMNT_BOOKSTORE
Maintenance type	One Step
Maintenance Screen Num.	Propose a new Screen Number
Recording Routine	No, or user, recording routine

pluralsight

Individual Exercises

pluralsight

ZPUBLISHER
Publisher

ZBOOK
Book

ZCOUNTRY
Country

ZSTATE
State

ZCITY
City

ZSTREET
Street

ZADDRESS
Address

ZCUSTOMER
Customer

ZORDER
Order

ZORDERITEM
Order Item

pluralsight

ZPUBLISHER
Publisher

ZBOOK
Book

ZCOUNTRY
Country

ZSTATE
State

TREET
t

Authorization Group	&NC&
Authorization Object	S_TABU_DIS
Function group	ZMNT_BOOKSTORE
Maintenance type	One Step
Maintenance Screen Num.	Propose a new Screen Number
Recording Routine	No, or user, recording routine

ZADDRESS
Address

RDER
r

ZORDERITEM
Order Item

pluralsight

ZPUBLISHER
Publisher

ZBOOK
Book

ZCOUNTRY
Country

ZSTATE
State

ZCITY
City

ZSTREET
Street

ZADDRESS
Address

ZCUSTOMER
Customer

ZORDER
Order

ZORDERITEM
Order Item

pluralsight

ZPUBLISHER
Publisher

ZBOOK
Book

ZCOUNTRY
Country

ZSTATE
State

ZCITY
City

ZSTREET
Street

ZADDRESS
Address

ZCUSTOM
Customer

Order

ZORDERITEM
Order Item

Next
Group Exercise:
Fill Tables via Maintenance Dialogs

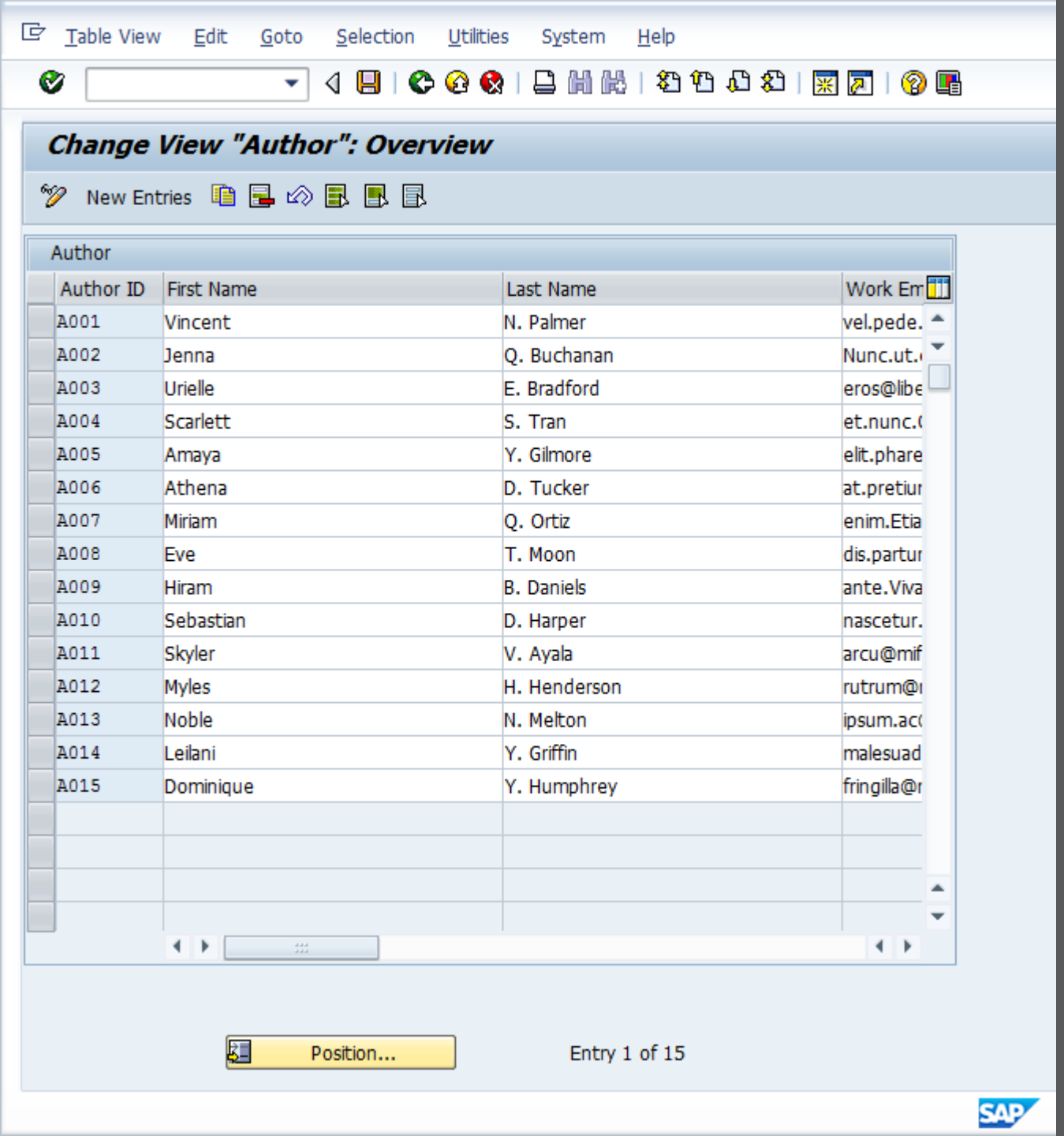
pluralsight

Group Exercises

Attendee

Instructor

pluralsight



ZAUTHOR

Author

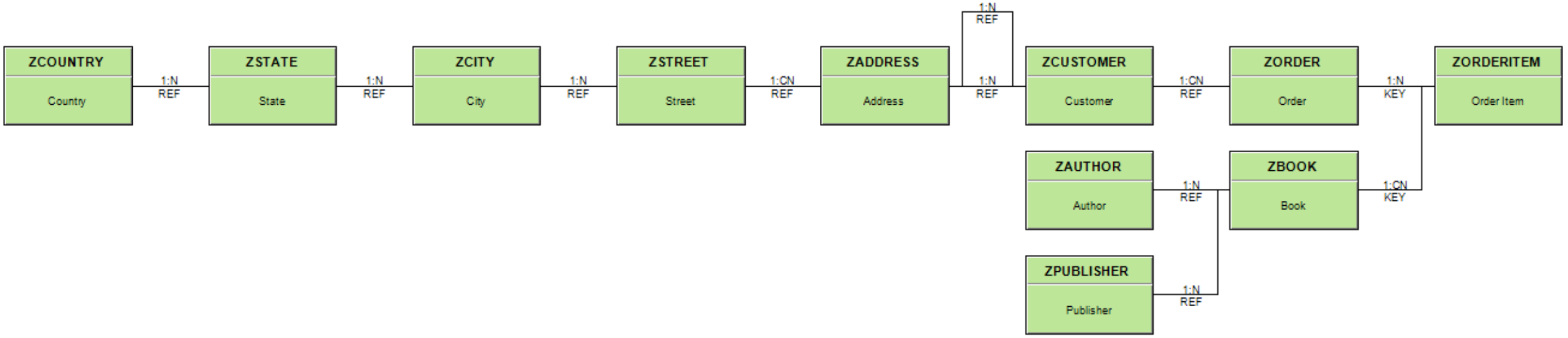
Filename sample_data_zauthor.xlsx

pluralsight

Individual Exercises

pluralsight

Foreign Key Relationship Graph



pluralsight

ZPUBLISHER
Publisher

Filename sample_data_zpublisher.xlsx

ZBOOK
Book

Filename sample_data_zbook.xlsx

ZCOUNTRY
Country

Filename sample_data_zcountry.xlsx

ZSTATE
State

Filename sample_data_zstate.xlsx

ZCITY
City

Filename sample_data_zcity.xlsx

ZSTREET
Street

Filename sample_data_zstreet.xlsx

ZADDRESS
Address

Filename sample_data_zaddress.xlsx

ZCUSTOMER
Customer

Filename sample_data_zcustomer.xlsx

ZORDER
Order

Filename sample_data_zorder.xlsx

ZORDERITEM
Order Item

Filename sample_data_zorderitem.xlsx

pluralsight

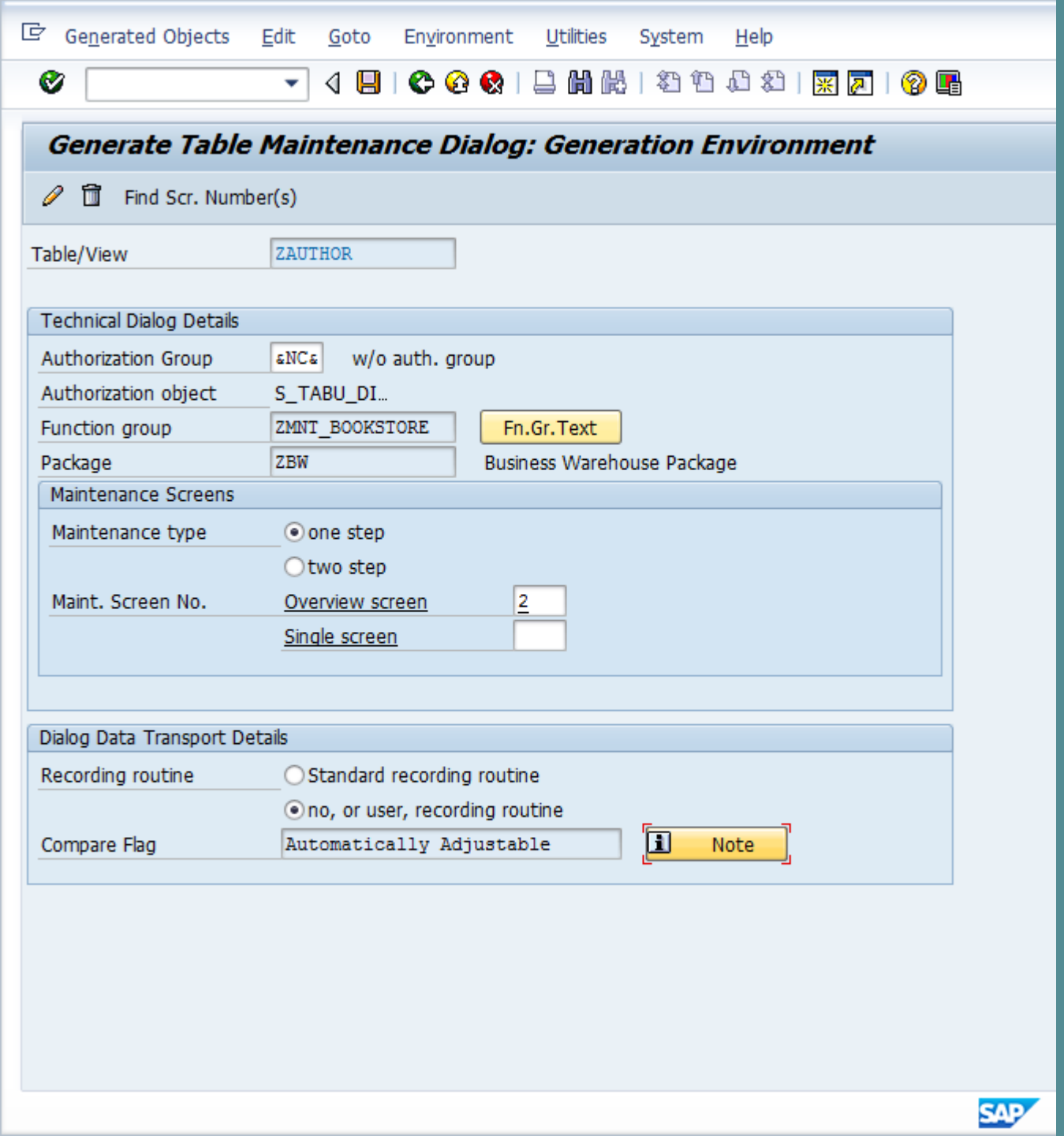
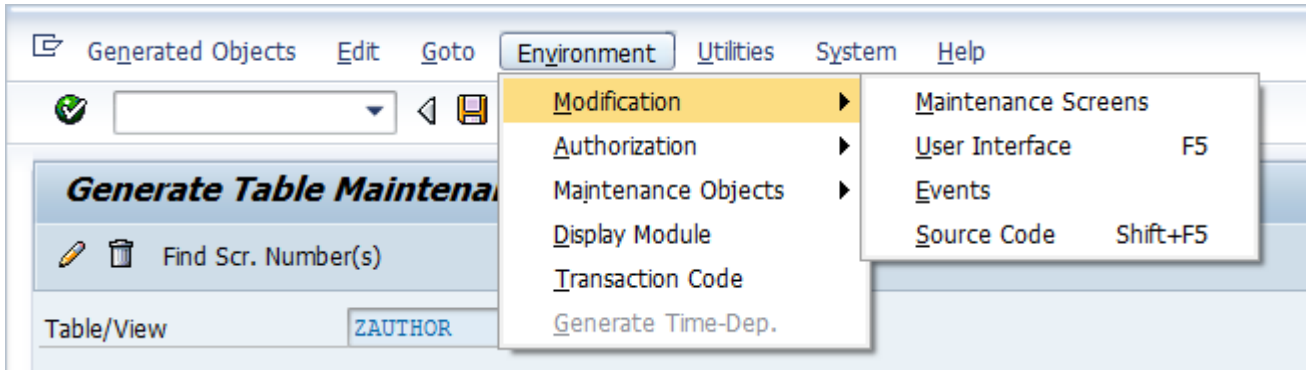


Table Maintenance Generator

pluralsight

Modifications of Table Maintenance Generator

Maintenance Screens	User Interface	Events	Source Code



pluralsight

Development Workflow

ZAUTHOR
Author

ZBOOK
Book

ZSTREET
Street

ZPUBLISHER
Publisher

ZCITY
City

ZCUSTOMER
Customer

ZSTATE
State

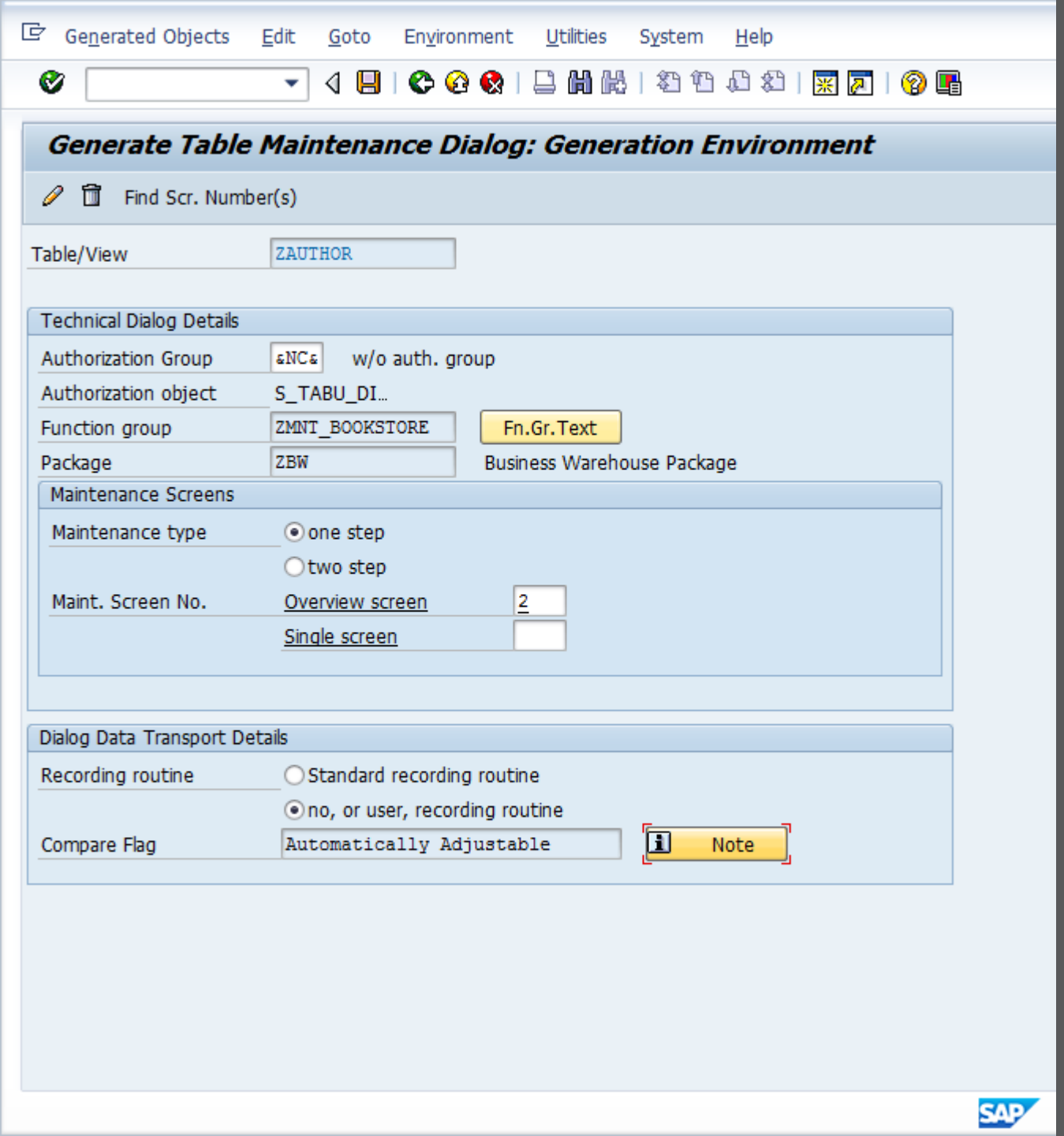
ZORDERITEM
Order Item

ZCOUNTRY
Country

ZADDRESS
Address

ZORDER
Order

pluralsight



ZAUTHOR

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Authorization Group	&NC&
Authorization Object	S_TABU_DIS
Function group	ZMNT_BOOKSTORE
Maintenance type	One Step
Maintenance Screen Num.	Propose a new Screen Number
Recording Routine	No, or user, recording routine

pluralsight

ZPUBLISHER
Publisher

ZBOOK
Book

ZCOUNTRY
Country

ZSTATE
State

ZCITY
City

ZSTREET
Street

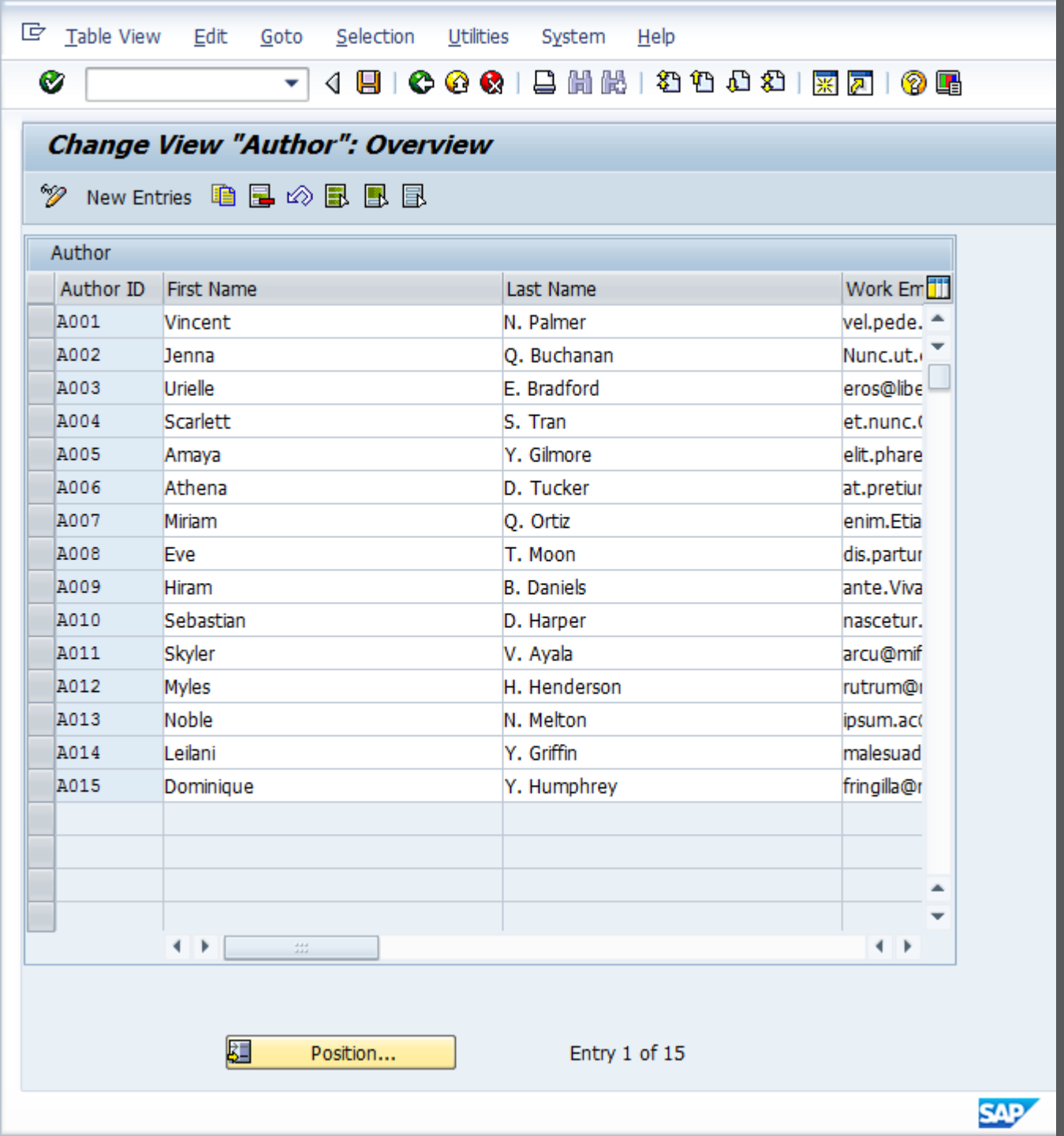
ZADDRESS
Address

ZCUSTOMER
Customer

ZORDER
Order

ZORDERITEM
Order Item

pluralsight



ZAUTHOR

Author

Filename sample_data_zauthor.xlsx

pluralsight

ZPUBLISHER
Publisher

Filename sample_data_zpublisher.xlsx

ZBOOK
Book

Filename sample_data_zbook.xlsx

ZCOUNTRY
Country

Filename sample_data_zcountry.xlsx

ZSTATE
State

Filename sample_data_zstate.xlsx

ZCITY
City

Filename sample_data_zcity.xlsx

ZSTREET
Street

Filename sample_data_zstreet.xlsx

ZADDRESS
Address

Filename sample_data_zaddress.xlsx

ZCUSTOMER
Customer

Filename sample_data_zcustomer.xlsx

ZORDER
Order

Filename sample_data_zorder.xlsx

ZORDERITEM
Order Item

Filename sample_data_zorderitem.xlsx

pluralsight

ZPUBLISHER
Publisher

Filename sample_data_zpublisher.xlsx

ZBOOK
Book

Filename sample_data_zbook.xlsx

ZCOUNTRY
Country

Filename sample_data_zcountry.xlsx

ZSTATE
State

Filename sample_data_zstate.xlsx

ZCITY
City

Filename sample_data_zcity.xlsx

ZSTREET
Street

Filename sample_data_zstreet.xlsx

ZADDRESS
Address

Filename sample_data_zaddress.xlsx

ZCUSTOMER
Customer

Filename sample_data_zcustomer.xlsx

Ord

Filenam a_zorder.xlsx

ZORDERITEM
Order Item

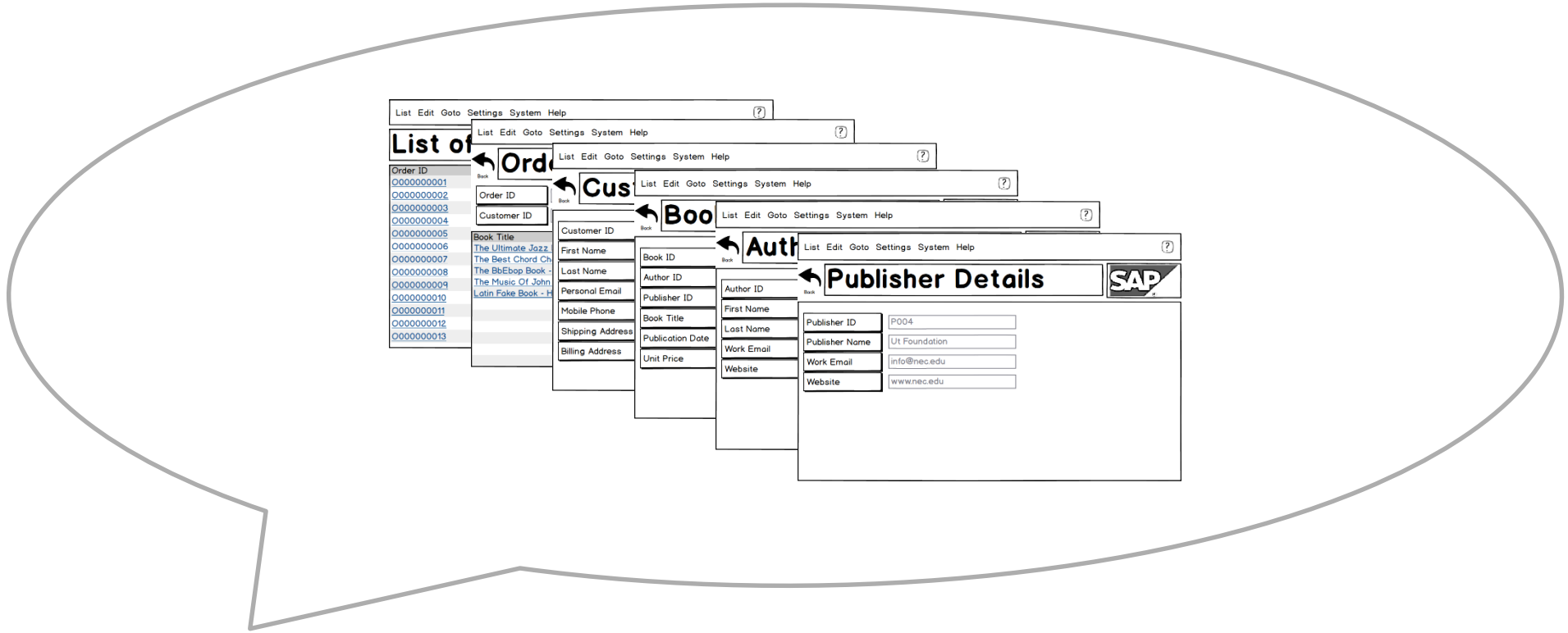
Filename sample_data_zorderitem.xlsx

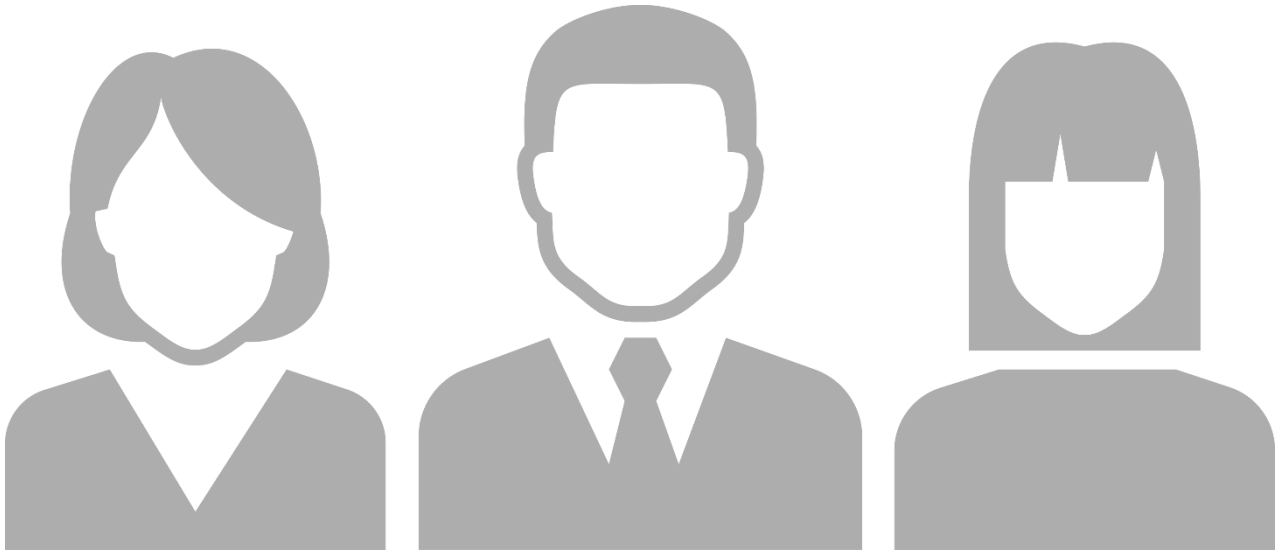
Next

Course Summary

pluralsight

pluralsight





pluralsight

Order

Order Item

Customer

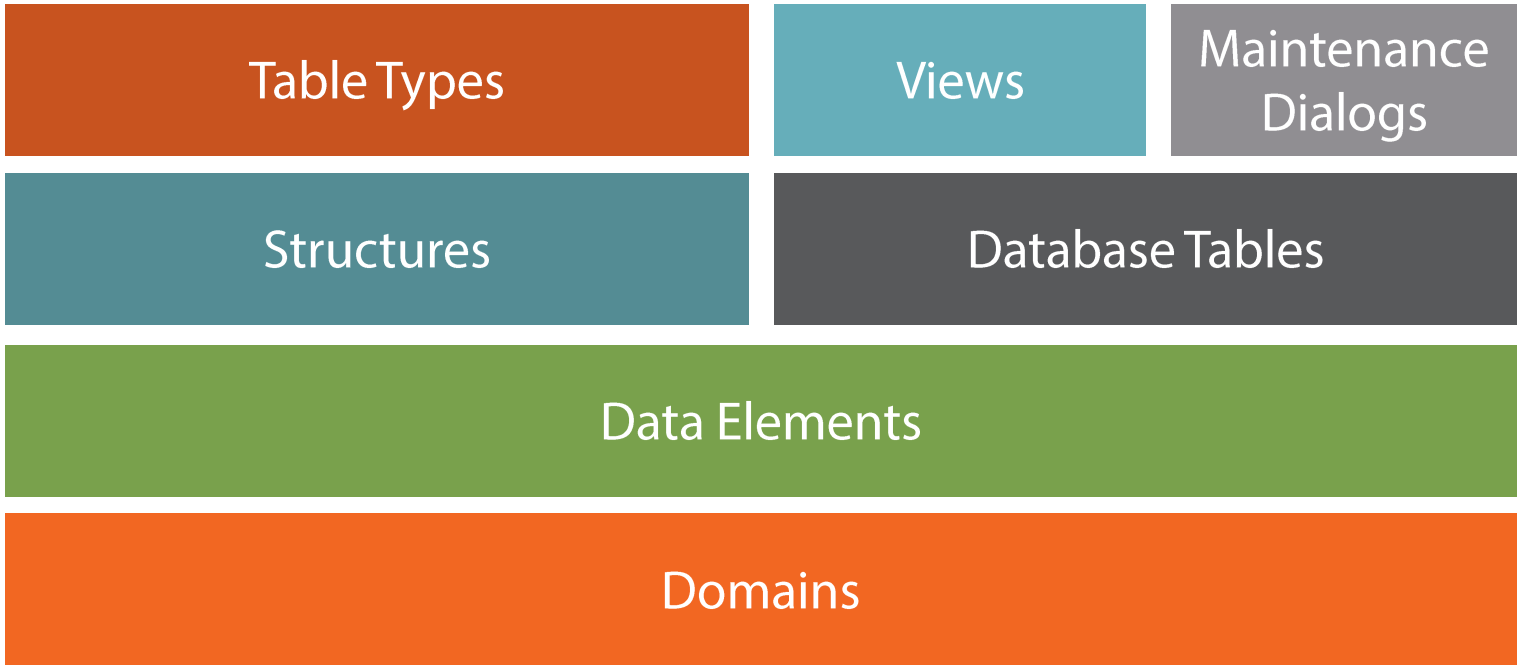
Book

Publisher

Author

pluralsight

Development Workflow



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You Are Now Ready To

Apply Two-Level Domain concept

Build flexible, and centralized databases

Ensure high data integrity and consistency

Compose reusable building blocks

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