

Data Element



Alex Gönczy

@abapmentor | abapmentor.expertise-team.com

Data Element

Two-Level Domain Concept: Data Element

Domain
Technical Properties

Data
Semantic Properties
Element

Data Type
Number of
Characters
Decimal Places
Output Length
Conversion Routine
Sign
Case Sensitivity
Value Range

Field Labels
Documentations
Search Help
Parameter ID
Change Document
No Input History
Basic Direction
No BIDI Filtering

Data Type
Number of
Characters
Decimal Places
Output Length
Conversion Routine
Sign
Case Sensitivity
Value Range

Field Labels
Documentations
Special Values

Next

**Development Workflow:
Data Element**



Data Element

Development Workflow: Data Element

List of Potential Data Elements

ZHOUSENUM INT4	ZFSADDR ZLTEXT	ZFBADDR ZLTEXT	ZAUTNAME ZLTEXT	ZCUSTNAME ZLTEXT	ZFIRSTNAME ZTEXT	ZLASTNAME ZTEXT	ZPUBNAME ZTEXT
ZSTREETNAM ZTEXT	ZCITYNAME ZTEXT	ZSTATENAM ZTEXT	ZCOUNTRYNAM ZTEXT	ZBOOKTITLE ZTITLE	ZWEBSITE ZURL	ZZIPCODE ZZIPCODE	ZMOBPHONE ZPHONE
ZOSTATUS ZOSTATUS	ZBADDRID ZADDRESSID	ZSADDRID ZADDRESSID	ZADDRESSID ZADDRESSID	ZAUTHORID ZAUTHORID	ZBOOKID ZBOOKID	ZCUSTOMERID ZCUSTOMERID	ZORDERID ZORDERID
ZPUBLISHERID ZPUBLISHERID	ZCITYID ZCITYID	ZCOUNTRYID ZCOUNTRYID	ZSTATEID ZSTATEID	ZSTREETID ZSTREETID	ZPUBLDATE ZDATE	ZORDDATE ZDATE	ZWORKEMAIL ZEMAIL
ZPERSEMAIL ZEMAIL	ZUNITPRICE ZPRICE	ZTOTALPRICE ZPRICE	ZQUANTITY ZQUANTITY				

Development Workflow

ZHOUSENUM
INT4
ZFSADDR
ZLTEXT
ZFBADDR
ZLTEXT



ZAUTNAME ZLTEXT	ZCUSTNAME ZLTEXT	ZFIRSTNAME ZTEXT	ZLASTNAME ZTEXT	ZPUBNAME ZTEXT
ZSTREETNAM ZTEXT	ZCITYNAME ZTEXT	ZSTATENAM ZTEXT	ZCOUNTRYNAM ZTEXT	ZBOOKTITLE ZTITLE
ZWEBSITE ZURL	ZZIPCODE ZZIPCODE	ZMOBPHONE ZPHONE	ZSTATUS ZSTATUS	ZBADDRID ZADDRESSID
ZSADDRID ZADDRESSID	ZADDRESSID ZADDRESSID	ZAUTHORID ZAUTHORID	ZBOOKID ZBOOKID	ZCUSTOMERID ZCUSTOMERID
ZORDERID ZORDERID	ZPUBLISHERID ZPUBLISHERID	ZCITYID ZCITYID	ZCOUNTRYID ZCOUNTRYID	ZSTATEID ZSTATEID
ZSTREETID ZSTREETID	ZPUBLDATE ZDATE	ZORDDATE ZDATE	ZWORKEMAIL ZEMAIL	ZPERSEMAIL ZEMAIL
ZUNITPRICE ZPRICE	ZTOTALPRICE ZPRICE	ZQUANTITY ZQUANTITY		

Development Workflow

ZHOUSENUM
INT4
ZFSADDR
ZLTEXT
ZFBADDR
ZLTEXT



ZAUTNAME
ZLTEXT
ZSTREETNAM
ZTEXT
ZWEBSITE
ZURL
ZSADDRID
ZADDRESSID
ZORDERID
ZORDERID
ZSTREETID
ZSTREETID
ZUNITPRICE
ZPRICE

ZCUSTNAME
ZLTEXT
ZCITYNAME
ZTEXT
ZZIPCODE
ZZIPCODE
ZADDRESS
ZADDRESS
ZPUBLISHERID
ZPUBLISHERID
ZPUBDATE
ZDATE
ZTOTALPRICE
ZPRICE

ZFIRSTNAME
ZTEXT
ZSTATENAM
ZTEXT
ZCITYID
ZCITYID
ZORDDATE
ZDATE
ZQUANTITY
ZQUANTITY

ZLASTNAME
ZTEXT
ZCOUNTRYNAM
ZTEXT
ZCOUNTRYID
ZCOUNTRYID
ZSTATEID
ZSTATEID

ZPUBNAME
ZTEXT
ZBOOKTITLE
ZTITLE
ZPERSEMAIL
ZEMAIL

Next

Demo: Creating Data Elements



Group Exercises



Attendee



Instructor

Dictionary: Change Data Element

← →
 |

 Documentation
 Supplementary Documentation

Data element: ZHOUSENUM Active
 Short Description: House Number

Attributes
 Data Type
 Further Characteristics
 Field Label

☒ Elementary Type

☐ Domain

☒ Predefined Type
 Data Type: INT4 4-byte integer, integer number with sign
 Length: 10

☐ Reference Type

☐ Name of Ref. Type

☐ Reference to Predefined Type
 Data Type:
 Length: 0

ZHOUSENUM

House Number

Elementary Type	Predefined Type
Data Type	INT4
Length	10
Decimal Places	N/A
Short	House Num.
Medium	House Number
Long	House Number
Heading	House Number
Documentation	—

SAP

pluralsight

Elementary Type	ZLTEXT (Domain)
Data Type	CHAR
Length	80
Decimal Places	N/A
<hr/>	
Short	Full Bill.
Medium	Full Billing Address
Long	Full Billing Address
Heading	Full Billing Address
<hr/>	
Documentation	Where you are receiving the statements for your credit card.

Individual Exercises



ZAUTNAME

Author Name

Elementary Type	ZLTEXT (Domain)
Data Type	CHAR
Length	80
Decimal Places	N/A

Short	Author Nam
Medium	Author Name
Long	Author Name
Heading	Author Name

Documentation	–
---------------	---

ZCUSTNAME

Customer Name

Elementary Type	ZLTEXT (Domain)
Data Type	CHAR
Length	80
Decimal Places	N/A

Short	Cust. Name
Medium	Customer Name
Long	Customer Name
Heading	Customer Name

Documentation	–
---------------	---

ZFIRSTNAME

First Name

Elementary Type	ZTEXT (Domain)
Data Type	CHAR
Length	30
Decimal Places	N/A

Short	First Name
Medium	First Name
Long	First Name
Heading	First Name

Documentation	–
---------------	---

ZLASTNAME

Last Name

Elementary Type	ZTEXT (Domain)
Data Type	CHAR
Length	30
Decimal Places	N/A

Short	Last Name
Medium	Last Name
Long	Last Name
Heading	Last Name

Documentation –

ZPUBNAME

Publisher Name

Elementary Type	ZTEXT (Domain)
Data Type	CHAR
Length	30
Decimal Places	N/A

Short	Publ. Name
Medium	Publisher Name
Long	Publisher Name
Heading	Publisher Name

Documentation –

ZSTREETNAM

Street Name

Elementary Type	ZTEXT (Domain)
Data Type	CHAR
Length	30
Decimal Places	N/A

Short	Street Nam
Medium	Street Name
Long	Street Name
Heading	Street Name

Documentation –

ZCITYNAME

City Name

Elementary Type	ZTEXT (Domain)
Data Type	CHAR
Length	30
Decimal Places	N/A

Short	City Name
Medium	City Name
Long	City Name
Heading	City Name

Documentation –

ZSTATENAME

State Name

Elementary Type	ZTEXT (Domain)
Data Type	CHAR
Length	30
Decimal Places	N/A

Short	State Name
Medium	State Name
Long	State Name
Heading	State Name

Documentation –

ZCOUNTRYNAME

Country Name

Elementary Type	ZTEXT (Domain)
Data Type	CHAR
Length	30
Decimal Places	N/A

Short	Country Name
Medium	Country Name
Long	Country Name
Heading	Country Name

Documentation –

ZBOOKTITLE

Title of the Book

Elementary Type	ZTITLE (Domain)
Data Type	CHAR
Length	100
Decimal Places	N/A

Short	Book Title
Medium	Title of the Book
Long	Title of the Book
Heading	Title of the Book

Documentation –

ZWEBSITE

Website URL

Elementary Type	ZURL (Domain)
Data Type	CHAR
Length	50
Decimal Places	N/A

Short	Webs. URL
Medium	Website URL
Long	Website URL
Heading	Website URL

Documentation –

ZZIPCODE

Zip Code

Elementary Type	ZZIPCODE (Domain)
Data Type	CHAR
Length	6
Decimal Places	N/A

Short	Zip Code
Medium	Zip Code
Long	Zip Code
Heading	Zip Code

Documentation –

ZMOBPHONE

Mobile Phone

Elementary Type	ZPHONE (Domain)
Data Type	CHAR
Length	30
Decimal Places	N/A

Short	Mob. Phone
Medium	Mobile Phone
Long	Mobile Phone
Heading	Mobile Phone

Documentation –

ZOSTATUS

Order Status

Elementary Type	ZOSTATUS (Domain)
Data Type	CHAR
Length	1
Decimal Places	N/A

Short	Order Stat
Medium	Order Status
Long	Order Status
Heading	Order Status

Documentation –

ZBADDRID

Billing Address ID

Elementary Type	ZADDRESSID (Dom.)
Data Type	CHAR
Length	10
Decimal Places	N/A

Short	Billing A.
Medium	Billing Address ID
Long	Billing Address ID
Heading	Billing Address ID

Documentation –

ZSADDRID

Shipping Address ID

Elementary Type	ZADDRESSID (Dom.)
Data Type	CHAR
Length	10
Decimal Places	N/A
<hr/>	
Short	Shipping A
Medium	Shipping Address ID
Long	Shipping Address ID
Heading	Shipping Address ID
<hr/>	
Documentation	–

ZADDRESSID

Address ID

Elementary Type	ZADDRESSID (Dom.)
Data Type	CHAR
Length	10
Decimal Places	N/A
<hr/>	
Short	Address ID
Medium	Address ID
Long	Address ID
Heading	Address ID
<hr/>	
Documentation	–

ZAUTHORID

Author ID

Elementary Type	ZAUTHORID (Dom.)
Data Type	CHAR
Length	4
Decimal Places	N/A
<hr/>	
Short	Author ID
Medium	Author ID
Long	Author ID
Heading	Author ID
<hr/>	
Documentation	–

ZBOOKID

Book ID

Elementary Type	ZBOOKID (Domain)
Data Type	CHAR
Length	10
Decimal Places	N/A
<hr/>	
Short	Book ID
Medium	Book ID
Long	Book ID
Heading	Book ID
<hr/>	
Documentation	–

ZCUSTOMERID

Customer ID

Elementary Type	ZCUSTOMERID (D.)
Data Type	CHAR
Length	10
Decimal Places	N/A
<hr/>	
Short	Cust. ID
Medium	Customer ID
Long	Customer ID
Heading	Customer ID
<hr/>	
Documentation	–

ZORDERID

Order ID

Elementary Type	ZORDERID (Domain)
Data Type	CHAR
Length	10
Decimal Places	N/A
<hr/>	
Short	Order ID
Medium	Order ID
Long	Order ID
Heading	Order ID
<hr/>	
Documentation	–

ZPUBLISHERID

Publisher ID

Elementary Type	ZPUBLISHERID (Dom.)
Data Type	CHAR
Length	4
Decimal Places	N/A
<hr/>	
Short	Publ. ID
Medium	Publisher ID
Long	Publisher ID
Heading	Publisher ID
<hr/>	
Documentation	–

ZCITYID

City ID

Elementary Type	ZCITYID (Domain)
Data Type	CHAR
Length	4
Decimal Places	N/A
<hr/>	
Short	City ID
Medium	City ID
Long	City ID
Heading	City ID
<hr/>	
Documentation	–

ZCOUNTRYID

Country ID

Elementary Type	ZCOUNTRYID (Dom.)
Data Type	CHAR
Length	4
Decimal Places	N/A
<hr/>	
Short	Country ID
Medium	Country ID
Long	Country ID
Heading	Country ID
<hr/>	
Documentation	–

ZSTATEID

State ID

Elementary Type	ZSTATEID (Domain)
Data Type	CHAR
Length	4
Decimal Places	N/A
<hr/>	
Short	State ID
Medium	State ID
Long	State ID
Heading	State ID
<hr/>	
Documentation	–

ZSTREETID

Street ID

Elementary Type	ZSTREETID (Domain)
Data Type	CHAR
Length	10
Decimal Places	N/A
<hr/>	
Short	Street ID
Medium	Street ID
Long	Street ID
Heading	Street ID
<hr/>	
Documentation	–

ZPUBLDATE

Publication Date

Elementary Type	ZDATE (Domain)
Data Type	DATS
Length	8
Decimal Places	N/A
<hr/>	
Short	Publ. Date
Medium	Publication Date
Long	Publication Date
Heading	Publication Date
<hr/>	
Documentation	–

ZORDDATE

Order Date

Elementary Type	ZDATE (Domain)
Data Type	DATS
Length	8
Decimal Places	N/A

Short	Order Date
Medium	Order Date
Long	Order Date
Heading	Order Date

Documentation –

ZWORKEMAIL

Work Email

Elementary Type	ZEMAIL (Domain)
Data Type	CHAR
Length	50
Decimal Places	N/A

Short	Work Email
Medium	Work Email
Long	Work Email
Heading	Work Email

Documentation –

ZPERSEMAIL

Personal Email

Elementary Type	ZEMAIL (Domain)
Data Type	CHAR
Length	50
Decimal Places	N/A

Short	Personal E
Medium	Personal Email
Long	Personal Email
Heading	Personal Email

Documentation –

ZUNITPRICE

Unit Price

Elementary Type	ZPRICE (Domain)
Data Type	DEC
Length	15
Decimal Places	2

Short	Unit Price
Medium	Unit Price
Long	Unit Price
Heading	Unit Price

Documentation –

ZTOTALPRICE

Total Price

Elementary Type	ZPRICE (Domain)
Data Type	DEC
Length	15
Decimal Places	2

Short	Tot. Price
Medium	Total Price
Long	Total Price
Heading	Total Price

Documentation –

ZQUANTITY

Quantity

Elementary Type	ZQUANTITY (Dom.)
Data Type	DEC
Length	5
Decimal Places	0

Short	Quantity
Medium	Quantity
Long	Quantity
Heading	Quantity

Documentation –