

All Entities Details

Design Name	eggshell
Version Date	11.10.2024 04:48:38
Version Comment	
Model Name	Logical

Entity Name	bank
Preferred Abbreviation	
Classification Type Name	
Object Type Name	
Super Type	
Synonyms	

Mapped Tables	
Table Name	
Relational_2.bank	

Number Of Attributes	8
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Attributes											
No	Attribute Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Preferred Abbreviation	Synonyms	
1	bank_id	P		Y	VARCHAR (50)	DOM	bank_id				
2	bank_name			Y	VARCHAR (50)	DOM	name				
3	phone				VARCHAR (20)	DOM	phone_number				
4	fax				VARCHAR (20)	DOM	fax_number				
5	street				VARCHAR (100)	DOM	street_address				
6	city				VARCHAR (100)	DOM	city_name				
7	state				CHAR (2)	DOM	state_code				
8	zip				VARCHAR (9)	DOM	zipcode				

Identifiers					
Name	Primary Identifier	Element Name	Element Type	Source Label	Target Label
bank PK	Y	bank_id	A		

Has Relationships With							
Entity Name	Role	Other Role	In Arc	Cardinality	Dominant Role	Identifying	Transferable
sale				0..*:1..1		Y	Y

Entity Name	customer
Preferred Abbreviation	
Classification Type Name	
Object Type Name	
Super Type	
Synonyms	

Mapped Tables	
Table Name	
Relational_2.customer	

Number Of Attributes	7
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Attributes											
No	Attribute Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Preferred Abbreviation	Synonyms	
1	customer_id	P		Y	VARCHAR (50)	DOM	customer_id				
2	fname			Y	VARCHAR (50)	DOM	name				
3	lname			Y	VARCHAR (50)	DOM	name				
4	street				VARCHAR (100)	DOM	street_address				
5	city				VARCHAR (100)	DOM	city_name				
6	state				CHAR (2)	DOM	state_code				
7	zip				VARCHAR (9)	DOM	zipcode				

Identifiers					
Name	Primary Identifier	Element Name	Element Type	Source Label	Target Label
customer PK	Y	customer_id	A		

Has Relationships With							
Entity Name	Role	Other Role	In Arc	Cardinality	Dominant Role	Identifying	Transferable

sale				0..*:1..1		Y	Y
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Entity Name	deco_choices
Preferred Abbreviation	
Classification Type Name	
Object Type Name	
Super Type	
Synonyms	

Table Name
Relational_2.deco_choices

Number Of Attributes	7
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

### Attributes

No	Attribute Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Preferred Abbreviation	Synonyms
1	deco_choice_id	P		Y	VARCHAR (50)	DOM	deco_choice_id			
2	stage			Y	NUMERIC (2)	DOM	stage			
3	date			Y	Date	DOM	date			
4	buyer_signature_date				Date	DOM	date			
5	buyer_signature_url				VARCHAR (255)	DOM	url			
6	lot_id		F	Y	VARCHAR (50)	DOM	lot_id			
7	staff_id		F	Y	VARCHAR (50)	DOM	staff_id			

### Constraints

Type	Attribute / Constraint Name	Details		
Attribute Level	stage	<i>Ranges</i>		
		Begin Value	End Value	Description
		0	99	

### Identifiers

Identifiers					
Name	Primary Identifier	Element Name	Element Type	Source Label	Target Label
deco_choices PK	Y	deco_choice_id	A		

*Has Relationships With*

Entity Name	Role	Other Role	In Arc	Cardinality	Dominant Role	Identifying	Transferable
staff				0..*:1..1		Y	Y
deco_items				0..*:1..1		Y	Y
lot				0..*:1..1		Y	Y

Entity Name	deco_items
Preferred Abbreviation	
Classification Type Name	
Object Type Name	
Super Type	
Synonyms	

Table Name
Relational_2.deco_items

Number Of Attributes	7
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

### Attributes

No	Attribute Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Preferred Abbreviation	Synonyms
1	deco_item_id				VARCHAR (50)	DOM	deco_item_id			
2	room_id				VARCHAR (50)	DOM	room_id			
3	description				TEXT	DOM	description_text			
4	price				NUMERIC (10,2)	DOM	price			
5	deco_choice_id		F	Y	VARCHAR (50)	DOM	deco_choice_id			
6	option_id		F		CHAR (4)	DOM	option_id			
7	stage		F		NUMERIC (2)	DOM	stage			

### Constraints

Type	Attribute / Constraint Name	Details		
Attribute Level	price	<i>Ranges</i>		
		Begin Value	End Value	Description
		0	9999999	
	stage			

		<i>Ranges</i>						
		<table><tr><th>Begin Value</th><th>End Value</th><th>Description</th></tr><tr><td>0</td><td>99</td><td></td></tr></table>	Begin Value	End Value	Description	0	99	
Begin Value	End Value	Description						
0	99							

Identifiers

Name	Primary Identifier	Element Name	Element Type	Source Label	Target Label
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Has Relationships With

Entity Name	Role	Other Role	In Arc	Cardinality	Dominant Role	Identifying	Transferable
deco_choices				0..*:1..1		Y	Y
options				1..*:0..1			Y

Entity Name	elevation
Preferred Abbreviation	
Classification Type Name	
Object Type Name	
Super Type	
Synonyms	

Mapped Tables

Table Name
Relational_2.elevation

Number Of Attributes	5
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Attributes

No	Attribute Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Preferred Abbreviation	Synonyms
1	elevation_type	P		Y	CHAR (1)	DOM	elevation_type			
2	description			Y	TEXT	DOM	description_text			
3	cost				NUMERIC (10,2)	DOM	price			
4	sketch_url				VARCHAR (255)	DOM	url			
5	style_name	P	F	Y	VARCHAR (100)	DOM	style_name			

Constraints

Type	Attribute / Constraint Name	Details		
Attribute Level	elevation_type	<i>Values List</i>		
		Value	Description	
		A	elevation type A	
		B	elevation type B	
		C	elevation type C	
		D	elevation type D	
		E	elevation type E	
	cost	<i>Ranges</i>		
		Begin Value	End Value	Description
		0	9999999	

Identifiers

Name	Primary Identifier	Element Name	Element Type	Source Label	Target Label
elevation PK	Y	elevation_type	A		
		style_name	A		

Has Relationships With

Entity Name	Role	Other Role	In Arc	Cardinality	Dominant Role	Identifying	Transferable
style				0..*:1..1		Y	Y

Entity Name	escrow_agent
Preferred Abbreviation	
Classification Type Name	
Object Type Name	
Super Type	
Synonyms	

Mapped Tables

Table Name
Relational_2.escrow_agent

Number Of Attributes	7
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Attributes

No	Attribute Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Preferred Abbreviation	Synonyms
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1	escrow_agent_id	P		Y	VARCHAR (50)	DOM	escrow_agent_id			
2	fname			Y	VARCHAR (50)	DOM	name			
3	lname			Y	VARCHAR (50)	DOM	name			
4	street				VARCHAR (100)	DOM	street_address			
5	city				VARCHAR (100)	DOM	city_name			
6	state				CHAR (2)	DOM	state_code			
7	zip				VARCHAR (9)	DOM	zipcode			

Identifiers

Name	Primary Identifier	Element Name	Element Type	Source Label	Target Label
escrow_agent PK	Y	escrow_agent_id	A		

Has Relationships With

Entity Name	Role	Other Role	In Arc	Cardinality	Dominant Role	Identifying	Transferable
sale				0..*:1..1		Y	Y

Entity Name	lot
Preferred Abbreviation	
Classification Type Name	
Object Type Name	
Super Type	
Synonyms	

Mapped Tables

Table Name
Relational_2.lot

Number Of Attributes	6
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Attributes

No	Attribute Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Preferred Abbreviation	Synonyms
1	lot_id	P		Y	VARCHAR (50)	DOM	lot_id			
2	longitude				NUMERIC (10,6)	DOM	longitude			
3	latitude				NUMERIC (10,6)	DOM	latitude			
4	zipcode				VARCHAR (9)	DOM	zipcode			
5	subdivision_name		F	Y	VARCHAR (100)	DOM	subdivision_name			
6	style_name		F	Y	VARCHAR (100)	DOM	style_name			

Identifiers

Name	Primary Identifier	Element Name	Element Type	Source Label	Target Label
lot PK	Y	lot_id	A		

Has Relationships With

Entity Name	Role	Other Role	In Arc	Cardinality	Dominant Role	Identifying	Transferable
sale				0..1:1..1			Y
style				0..*:1..1		Y	Y
subdivision				0..*:1..1		Y	Y
deco_choices				0..*:1..1		Y	Y
room				0..*:1..1		Y	Y
progress				0..1:1..1			Y

Entity Name	options
Preferred Abbreviation	
Classification Type Name	
Object Type Name	
Super Type	
Synonyms	

Mapped Tables

Table Name
Relational_2.options

Number Of Attributes	5
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Attributes

No	Attribute Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Preferred Abbreviation	Synonyms
1	option_id	P		Y	CHAR (4)	DOM	option_id			
2	description				TEXT	DOM	description_text			
3	stage	P		Y	NUMERIC (2)	DOM	stage			

4	category			Y	VARCHAR (50)	DOM	option_category			
5	cost			Y	NUMERIC (10,2)	DOM	price			

Constraints				
Type	Attribute / Constraint Name	Details		
Attribute Level	stage	<i>Ranges</i>		
		Begin Value	End Value	Description
		0	99	
	cost	<i>Ranges</i>		
		Begin Value	End Value	Description
		0	9999999	

Identifiers										
Name			Primary Identifier	Element Name			Element Type	Source Label		Target Label
options PK			Y	option_id			A			
				stage			A			

Has Relationships With							
Entity Name	Role	Other Role	In Arc	Cardinality	Dominant Role	Identifying	Transferable
deco_items				1..*:0..1			Y

Entity Name	progress
Preferred Abbreviation	
Classification Type Name	
Object Type Name	
Super Type	
Synonyms	

Mapped Tables	
Table Name	
Relational_2.progress	

Number Of Attributes	8
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Attributes										
No	Attribute Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Preferred Abbreviation	Synonyms
1	progress_id	P		Y	VARCHAR (50)	DOM	progress_id			
2	city				VARCHAR (100)	DOM	city_name			
3	date			Y	Date	DOM	date			
4	stage			Y	NUMERIC (2)	DOM	stage			
5	photo_url				VARCHAR (255)	DOM	url			
6	time_estimate				NUMERIC (5)	DOM	time_estimate			
7	lot_id		F	Y	VARCHAR (50)	DOM	lot_id			
8	staff_id		F	Y	VARCHAR (50)	DOM	staff_id			

Constraints				
Type	Attribute / Constraint Name	Details		
Attribute Level	stage	<i>Ranges</i>		
		Begin Value	End Value	Description
		0	99	
	time_estimate	<i>Ranges</i>		
		Begin Value	End Value	Description
		0	9999	

Identifiers										
Name			Primary Identifier	Element Name			Element Type	Source Label		Target Label
progress PK			Y	progress_id			A			

Has Relationships With							
Entity Name	Role	Other Role	In Arc	Cardinality	Dominant Role	Identifying	Transferable
task				0..*:1..1		Y	Y
lot				0..1:1..1			Y
staff				0..*:1..1		Y	Y

Entity Name	room
Preferred Abbreviation	
Classification Type Name	
Object Type Name	
Super Type	
Synonyms	

Mapped Tables	
Table Name	
Relational_2.room	

Number Of Attributes	7
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Attributes

No	Attribute Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Preferred Abbreviation	Synonyms
1	room_id	P		Y	VARCHAR (50)	DOM	room_id			
2	size				NUMERIC (6,2)	DOM	size			
3	floor				NUMERIC (2)	DOM	floor			
4	comments				TEXT	DOM	description_text			
5	windows				NUMERIC (2)	DOM	count			
6	celling				TEXT	DOM	description_text			
7	lot_id		F	Y	VARCHAR (50)	DOM	lot_id			

Constraints

Type	Attribute / Constraint Name	Details		
Attribute Level	size	Ranges		
		Begin Value	End Value	Description
		0	999999	
	floor	Ranges		
		Begin Value	End Value	Description
		0	999	
	windows	Ranges		
		Begin Value	End Value	Description
		0	99999	

Identifiers

Name	Primary Identifier	Element Name	Element Type	Source Label	Target Label
room PK	Y	room_id	A		

Has Relationships With

Entity Name	Role	Other Role	In Arc	Cardinality	Dominant Role	Identifying	Transferable
lot				0..*1..1		Y	Y

Entity Name	sale
Preferred Abbreviation	
Classification Type Name	
Object Type Name	
Super Type	
Synonyms	

Mapped Tables

Table Name
Relational_2.sale

Number Of Attributes	14
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Attributes

No	Attribute Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Preferred Abbreviation	Synonyms
1	sale_id	P		Y	VARCHAR (50)	DOM	sale_id			
2	date			Y	Date	DOM	date			
3	base_price				NUMERIC (10,2)	DOM	price			
4	financing_method				VARCHAR (100)	DOM	finance_method			
5	lot_premium				NUMERIC (10,2)	DOM	lot_premium			
6	escrow_deposit				NUMERIC (10,2)	DOM	price			
7	agreement_received				Boolean	DOM	boolean_flags			
8	disclosure_form_received				Boolean	DOM	boolean_flags			
9	contract_received				Boolean	DOM	boolean_flags			
10	staff_id		F	Y	VARCHAR (50)	DOM	staff_id			
11	customer_id		F	Y	VARCHAR (50)	DOM	customer_id			
12	bank_id		F	Y	VARCHAR (50)	DOM	bank_id			
13	escrow_agent_id		F	Y	VARCHAR (50)	DOM	escrow_agent_id			
14	lot_id		F	Y	VARCHAR (50)	DOM	lot_id			

Constraints

Type	Attribute / Constraint Name	Details
Attribute Level	base_price	<i>Ranges</i>

		Begin Value	End Value	Description
		0	9999999	
	lot_premium	<i>Ranges</i> Begin Value      End Value      Description		
		0	9999999	
	escrow_deposit	<i>Ranges</i> Begin Value      End Value      Description		
		0	9999999	

*Has Relationships With*

Entity Name	school_district
Preferred Abbreviation	
Classification Type Name	
Object Type Name	
Super Type	
Synonyms	

Number Of Attributes	5
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

### Identifiers

Entity Name	staff
Preferred Abbreviation	
Classification Type Name	
Object Type Name	
Super Type	
Synonyms	

Number Of Attributes	5
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

4	lname			Y	VARCHAR (50)	DOM	name			
5	license_number				VARCHAR (50)	DOM	license_number			

### Identifiers

Name	Primary Identifier	Element Name	Element Type	Source Label	Target Label
staff PK	Y	staff_id	A		

*Has Relationships With*

Entity Name	Role	Other Role	In Arc	Cardinality	Dominant Role	Identifying	Transferable
deco_choices				0..*:1..1		Y	Y
sale				0..*:1..1		Y	Y
progress				0..*:1..1		Y	Y

Entity Name	style
Preferred Abbreviation	
Classification Type Name	
Object Type Name	
Super Type	
Synonyms	

### Mapped Tables

Table Name
Relational_2.style

Number Of Attributes	5
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

### Attributes

No	Attribute Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Preferred Abbreviation	Synonyms
1	style_name	P		Y	VARCHAR (100)	DOM	style_name			
2	description				TEXT	DOM	description_text			
3	base_price				NUMERIC (10,2)	DOM	price			
4	photo_url				VARCHAR (255)	DOM	url			
5	size				NUMERIC (6,2)	DOM	size			

### Constraints

Type	Attribute / Constraint Name	Details		
Attribute Level	base_price	<i>Ranges</i>		
		Begin Value	End Value	Description
		0	9999999	
	size	<i>Ranges</i>		
		Begin Value	End Value	Description
		0	999999	

### Identifiers

Name	Primary Identifier	Element Name	Element Type	Source Label	Target Label
style PK	Y	style_name	A		

*Has Relationships With*

Entity Name	Role	Other Role	In Arc	Cardinality	Dominant Role	Identifying	Transferable
elevation				0..*:1..1		Y	Y
lot				0..*:1..1		Y	Y

Entity Name	subdivision
Preferred Abbreviation	
Classification Type Name	
Object Type Name	
Super Type	
Synonyms	

### Mapped Tables

Table Name
Relational_2.subdivision

Number Of Attributes	1
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

### Attributes

No	Attribute Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Preferred Abbreviation	Synonyms
1	subdivision_name	P		Y	VARCHAR (100)	DOM	subdivision_name			

### Identifiers



Name		Primary Identifier	Element Name			Element Type	Source Label		Target Label			
subdivision PK		Y	subdivision_name			A						
Has Relationships With												
Entity Name		Role		Other Role		In Arc	Cardinality		Dominant Role		Identifying	Transferable
lot							0..*:1..1				Y	Y
school_district							0..1:1..1					Y
Entity Name		task										
Preferred Abbreviation												
Classification Type Name												
Object Type Name												
Super Type												
Synonyms												
Number Of Attributes		4										
Number Of Rows Min.		0										
Number Of Rows Max.		9999999										
Expected Number Of Rows		0										
Expected Growth		0										
Growth Interval		Year										
Mapped Tables												
Table Name												
Relational_2.task												

Attributes												
No	Attribute Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Preferred Abbreviation	Synonyms		
1	task_id	P		Y	VARCHAR (50)	DOM	task_id					
2	description				TEXT	DOM	description_text					
3	percent_completed				NUMERIC (5,2)	DOM	percent_completed					
4	progress_id	P	F	Y	VARCHAR (50)	DOM	progress_id					
Constraints												
Type	Attribute / Constraint Name	Details										
Attribute Level	percent_completed	<div>Ranges</div>										
		Begin Value			End Value		Description					
		0			100							
Identifiers												
Name			Primary Identifier	Element Name			Element Type	Source Label		Target Label		
task PK			Y	task_id			A					
				progress_id			A					
Has Relationships With												
Entity Name		Role		Other Role		In Arc	Cardinality		Dominant Role		Identifying	Transferable
progress							0..*:1..1				Y	Y

Mapped Tables	
Table Name	
Relational_2.task	