Database model documentation

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1. Model details

Model name:

MySQL demo physical data model

Version:

2.4

Database engine:

MySQL

Description:

2. Tables

2.1. Table product

2.1.1. Columns

Column name	Type	Properties	Description
id	int	PK	
product_name	varchar(64)		
product_description	varchar(255)		
unit	varchar(16)		
price_per_unit	decimal(8,2)		
catagories_id	int		
owner_nationality-code	int		

2.2. Table user

2.2.1. Columns

Column name	Type	Properties	Description
nationality-code	int	PK	
name	varchar(16)		
address	varchar(255)		
email	varchar(32)		
phone-number	int		

2.3. Table sale

2.3.1. Columns

Column name	Type	Properties	Description
id	int	PK	
product_id	int		
buyer_nationality-code	int		
comment_id	int		

2.3.2. Alternate keys

Key name	Columns	Description
shipmet_details_ak_1		

2.4. Table cart
2.4.1. Columns

Column name	Type	Properties	Description
id	int	PK	
product_id	int		

2.5. Table catagories
2.5.1. Columns

Column name	Type	Properties	Description
id	int	PK	
name	char		
section_id	int		

2.6. Table section
2.6.1. Columns

Column name	Type	Properties	Description
id	int	PK	
name	varchar(255)		

2.7. Table favoriteList
2.7.1. Columns

Column name	Type	Properties	Description
id	int	PK	
user_nationality-code	int		
product_id	int		

2.8. Table comment

2.8.1. Columns

Column name	Type	Properties	Description
id	int	PK	
caption	varchar(32)		
content	varchar(255)		

2.9. Table email

2.9.1. Columns

Column name	Type	Properties	Description
id	int	PK	
caption	varchar(32)		
content	varchar(255)		
sale_id	int		

3. References

3.1. Reference product_catagories

catagories	0..*	product
id	<->	catagories_id

3.2. Reference catagories_section

section	0..*	catagories
id	<->	section_id

3.3. Reference cart_product

product	0..*	cart
id	<->	product_id

3.4. Reference sale_product

product	0..*	sale
id	<->	product_id

3.5. Reference sale_user

user	0..*	sale
nationality-code	<->	buyer_nationality-code

3.6. Reference favoriteList_user

user	1..1	favoriteList
nationality-code	<->	user_nationality-code

3.7. Reference favoriteList_product

favoriteList	0..*	product
product_id	<->	id

3.8. Reference sale_comment

sale	0..*	comment
comment_id	<->	id

3.9. Reference email_sale

sale	0..*	email
id	<->	sale_id

3.10. Reference product_user

user	0..*	product
nationality-code	<->	owner_nationality-code

4. Areas

4.1. Product subject area

4.1.1. Tables

- product
- catagories
- section

4.1.2. References

- product_catagories
- catagories_section
- cart_product
- sale_product
- sale_user
- favoriteList_user
- favoriteList_product
- sale_comment
- email_sale
- product_user

4.2. Shipment subject area

4.2.1. Tables

- user
- sale
- cart

4.2.2. References

- product_catagories
- catagories_section
- cart_product
- sale_product
- sale_user
- favoriteList_user
- favoriteList_product
- sale_comment
- email_sale
- product_user

4.3. Feature subject area

4.3.1. Tables

4.3.2. References