

# Data Dictionary

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## Details of Tables of the Module

### Table: canton

Table that stores data of cantons.

Columns:

Column	Type	Description
ID_Canton	INT	Identification number of the canton
Name	VARCHAR(45)	Name of the canton
ID_Province	INT	Identification number of its province

Indexes:

Index	PK?	Column
	PK	ID_Canton

Foreign Keys:

Name of the FK	Column	Reference Table
fk_canton_idProvince	ID_Province	pl.province

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

### Table: category

Table that stores data of product categories.

Columns:

Column	Type	Description
ID_Category	INT	Identification number of the product category

Name	VARCHAR(45)	Name of the product category
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Indexes:

Index	PK?	Column
	PK	ID_Category

Foreign Keys:

Name of the FK	Column	Reference Table

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: community

Table that stores data of communities.

Columns:

Column	Type	Description
ID_Community	INT	Identification number of the community
Name	VARCHAR(45)	Name of the community
ID_Canton	INT	Identification number of its canton

Indexes:

Index	PK?	Column
	PK	ID_Community

Foreign Keys:

Name of the FK	Column	Reference Table
fk_community_idCanton	ID_Canton	pl.canton

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: country

Table that stores data of countries.

Columns:

Column	Type	Description
ID_Country	INT	Identification number of the country
Name	VARCHAR(45)	Name of the country

Indexes:

Index	PK?	Column
	PK	ID_Country

Foreign Keys:

Name of the FK	Column	Reference Table

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: deliverytype

Table that stores data of delivery types.

Columns:

Column	Type	Description
ID_DeliveryType	INT	Identification number of the delivery type
Name	VARCHAR(45)	Name of the delivery type

Indexes:

Index	PK?	Column
	PK	ID_DeliveryType

Foreign Keys:

Name of the FK	Column	Reference Table

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: gender

Table that stores data of genders.

Columns:

Column	Type	Description
ID_Gender	INT	Identification number of the gender
Name	VARCHAR(45)	Name of the gender

Indexes:

Index	PK?	Column
	PK	ID_ Gender

Foreign Keys:

Name of the FK	Column	Reference Table

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: generallog

Table that register every change of value in the database.

Columns:

Column	Type	Description
ID_GeneralLog	INT	Identification number of the gender
schemeName	VARCHAR(45)	Name of scheme that underwent change
tableName	VARCHAR(45)	Name of table that underwent change
columnName	VARCHAR(45)	Name of column that underwent change
modificationDate	DATE	Date of the modification
ID_Product	INT	ID of the product that modified his price
current_value	VARCHAR(45)	Actual value
previous_value	VARCHAR(45)	Old value

Indexes:

Index	PK?	Column
	PK	ID_GeneralLog

Foreign Keys:

Name of the FK	Column	Reference Table

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: nationality

Table that stores data of nationalities.

Columns:

Column	Type	Description
ID_Nationality	INT	Identification number of the nationality
Name	VARCHAR(45)	Name of the nationality

Indexes:

Index	PK?	Column
	PK	ID_ Nationality

Foreign Keys:

Name of the FK	Column	Reference Table

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type
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## Table: parameter

Table that stores parameters for queries.

Columns:

Column	Type	Description
ID_Parameter	INT	Parameter identification number
Name	VARCHAR(45)	Parameter name
Value	VARCHAR(45)	Parameter value

Indexes:

Index	PK?	Column
	PK	ID_Parameter

Foreign Keys:

Name of the FK	Column	Reference Table

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: paymentmethod

Table that stores data of payment methods.

Columns:

Column	Type	Description
ID_PaymentMethod	INT	Identification number of the payment method



Name	VARCHAR(45)	Name of the payment method
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Indexes:

Index	PK?	Column
	PK	ID_PaymentMethod

Foreign Keys:

Name of the FK	Column	Reference Table

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: phonenumber

Table that stores the phone numbers of the user.

Columns:

Column	Type	Description
PhoneNumber	INT	The phone number of the user
Username	VARCHAR(45)	Identification name the user that owns the phone number

Indexes:

Index	PK?	Column
	PK	PhoneNumber
	PK	Username

Foreign Keys:

Name of the FK	Column	Reference Table
fk_phonenumber_username	Username	us.user

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: photo

Table that stores the directions of the photos of products.

Columns:

Column	Type	Description
ID_Photo	INT	Identification number of the photo
ID_Product	INT	Identification number of the product that is on the photo
Description	VARCHAR(140)	Description of the photo
Direction	VARCHAR(100)	Direction of photo of the product

Indexes:

Index	PK?	Column
	PK	ID_Photo

Foreign Keys:

Name of the FK	Column	Reference Table
fk_photo_idProduct	ID_Photo	sh.product

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: product

Table that stores data of products.

Columns:

Column	Type	Description
ID_Product	INT	Identification number of the product
Name	VARCHAR(45)	Name of the product
Price	INT UNSIGNED	Price of the product
Sold	INT UNSIGNED	Quantity of products that are sold
Description	VARCHAR(140)	Description of the product
Quantity	INT UNSIGNED	Quantity of the product
UsernameSalesman	VARCHAR(45)	Identification name of the salesman
ID_Category	INT	Identification number of the product category
ID_DeliveryType	INT	Identification number of the delivery type of the product

Indexes:

Index	PK?	Column
	PK	ID_Product

Foreign Keys:

Name of the FK	Column	Reference Table
fk_product_usernameSalesman	UsernameSalesman	us.user
fk_product_idCategory	ID_Category	sh.category
fk_product_idDeliveryType	ID_DeliveryType	sh.deliverytype

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: productxpurchase

Table that stores the products of each purchase.

Columns:

Column	Type	Description
ID_Product	INT	Identification number of the product
ID_Purchase	INT	Identification number of the purchase
Quantity	INT UNSIGNED	Quantity of the products in the purchase

Indexes:

Index	PK?	Column
	PK	ID_Product
	PK	ID_Purchase

Foreign Keys:

Name of the FK	Column	Reference Table
fk_productxpurchase_idProduct	ID_Product	sh.product
fk_productxpurchase_idPurchase	ID_Purchase	sh. purchase

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: province

Table that stores data of provinces.

Columns:

Column	Type	Description
ID_Province	INT	Identification number of the province
Name	VARCHAR(45)	Name of the province
ID_Country	INT	Identification number of its country

Indexes:

Index	PK?	Column
	PK	ID_Province

Foreign Keys:

Name of the FK	Column	Reference Table
fk_province_idCountry	ID_Country	pl. country

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: purchase

Table that stores data of purchases.

Columns:

Column	Type	Description
ID_Purchase	INT	Identification number of the purchase
Date	DATE	Date of the purchase
Username_Customer	VARCHAR(45)	Identification name of user that makes the purchase

ID_PaymentMethod	INT	Identification number of the payment method that is being used
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Indexes:

Index	PK?	Column
	PK	ID_Purchase

Foreign Keys:

Name of the FK	Column	Reference Table
fk_purchase_usernameCustomer	Username_Customer	us.user
fk_purchase_idPaymentMethod	ID_PaymentMethod	sh.paymentmethod

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: receiverxsender

Table that stores data of messages of the users.

Columns:

Column	Type	Description
Username_Sender	VARCHAR(45)	Identification name of user that sends the message
Username_Receiver	VARCHAR(45)	Identification name of user that receives the message
Time	DATETIME	Time when the message was sent
MessageContent	VARCHAR(140)	Comment of the message

Indexes:

Index	PK?	Column
	PK	Username_Sender
	PK	Username_Receiver
	PK	Time

Foreign Keys:

Name of the FK	Column	Reference Table
fk_receiverxsender_usernameSender	Username_Sender	us.user
fk_receiverxsender_usernameReceiver	Username_Receiver	us.user

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: review

Table that stores data of review of the products.

Columns:

Column	Type	Description
ID_Review	INT	Identification number of the review
Stars	INT UNSIGNED	Qualification of the product that is being reviewed
Comment	VARCHAR(45)	Comment of the product that is being reviewed
ID_Product	INT	Identification number of the product that is being reviewed

Indexes:

Index	PK?	Column
	PK	ID_Review

Foreign Keys:

Name of the FK	Column	Reference Table
fk_review_idProduct	ID_Product	sh.product

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: user

Table that stores data of users.

Columns:

Column	Type	Description
Username	VARCHAR(45)	Identification name of the user
Email	VARCHAR(45)	Email of the user
Birthdate	DATE	Date of birth of the user
Name	VARCHAR(45)	Name of the user
firstName	VARCHAR(45)	First last name of the user
secondLastName	VARCHAR(45)	Second last name of the user
Password	VARCHAR(45)	Password of the user
ID	VARCHAR(45)	Identification number of the user
PhotoDirection	VARCHAR(100)	Direction of photo of the user
ID_Community	INT	Identification number of community of the user
ID_UserType	INT	Identification number of type of the user
ID_Gender	INT	Identification number of gender of the user



Indexes:

Index	PK?	Column
	PK	Username

Foreign Keys:

Name of the FK	Column	Reference Table
fk_user_idCommunity	ID_Community	pl. community
fk_user_idUserType	ID_UserType	us.usertype
fk_user_idGender	ID_Gender	us.gender

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: userreview

Table that stores data of reviews of the users.

Columns:

Column	Type	Description
Username_Reviewer	VARCHAR(45)	Identification name of user that makes the review
Username_Reviewee	VARCHAR(45)	Identification name of user that receives the review
Time	DATETIME	Time when the review was published
Customer	TINYINT	Boolean that shows if the reviewer is customer
Comment	VARCHAR(140)	Comment of the review
Stars	INT	Qualification of the user

Indexes:

Index	PK?	Column
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	PK	Username_Reviewer
	PK	Username_Reviewee
	PK	Time

Foreign Keys:

Name of the FK	Column	Reference Table
fk_userreview_usernameReviewer	Username_Reviewer	us.user
fk_userreview_usernameReviewee	Username_Reviewee	us.user

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: usertype

Table that stores data of reviews of the users.

Columns:

Column	Type	Description
ID_UserType	INT	Identification number of the user type
Name	VARCHAR(45)	Name of the user type

Indexes:

Index	PK?	Column
	PK	ID_UserType

Foreign Keys:

Name of the FK	Column	Reference Table

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: userviewsproduct

Table that stores data of products that have been seen.

Columns:

Column	Type	Description
Username	VARCHAR(45)	Identification name the user that saw the product
ID_Product	INT	Identification number of product that has been seen

Indexes:

Index	PK?	Column
	PK	Username
	PK	ID_Product

Foreign Keys:

Name of the FK	Column	Reference Table
fk_userviewsproduct_username	Username	us.user
fk_userviewsproduct_idProduct	ID_Product	sh.product

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: userwantsproduct

Table that stores the products that the user wants to buy.

Columns:

Column	Type	Description
Username	VARCHAR(45)	Identification name of the user
ID_Product	INT	Identification number of the product

Indexes:

Index	PK?	Column
	PK	Username
	PK	ID_Product

Foreign Keys:

Name of the FK	Column	Reference Table
fk_userWantsProduct_username	Username	us.user
fk_userWantsProduct_idProduct	ID_Product	sh.product

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: userwishesproduct

Table that stores data of products on the wish list of each user.

Columns:

Column	Type	Description
Username	VARCHAR(45)	Identification name the user that owns the wish list

ID_Product	INT	Identification number of product that is on the wish list
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Indexes:

Index	PK?	Column
	PK	Username
	PK	ID_Product

Foreign Keys:

Name of the FK	Column	Reference Table
fk_userwishesproduct_username	Username	us.user
fk_userwishesproduct_idProduct	ID_Product	sh.product

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type

## Table: userxnationality

Table that stores the different nationalities of each user.

Columns:

Column	Type	Description
Username	VARCHAR(45)	Identification name the user
ID_Nationality	INT	Identification number of the nationality

Indexes:

Index	PK?	Column
	PK	Username
	PK	ID_Nationality

Foreign Keys:

Name of the FK	Column	Reference Table
fk_userxnationality_username	Username	us.user
fk_userxnationality_idNationality	ID_Nationality	us.nationality

Used by:

Scheme	Name	Type

Using:

Scheme	Name	Type