UML of the Database

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user

-id: integer
-surname: string
-name: string
-login: string
-hash_pwd: string
-salt: string
-mail: string
-registration_date: datetime
-birthdate: date
#type_user: smallinteger

add_user()
delete_user()
edit_user()

user_type

-id: integer
-name: string
-description: string

add_type_user()
delete_type_user()
edit_type_user()

reduction_value

#type_user.id: integer
#reduction.id: integer
-value: integer

add_reduction_value()
delete_reduction_value()
edit_reduction_value()
delete_type_user()
delete_reduction()

stats_reduction_user

#reduction.id: integer
#user.id: string
-date: datetime
-nb_used: integer
-money_saved: integer

add_stats_reduction()
delete_stats_reduction()
edit_stats_reduction()
delete_user()
deleter_reduction()

seller

#company.id: integer
#user.id: string
-codes_scanned: integer

add_seller()
delete_seller()
edit_seller()
delete_company()
deleter_user()

balance

#company.id: integer
#user.id: integer
-points: integer

add_balance()
delete_balance()
edit_balance()
delete_user()
delete_company()

ceo

#company.id: integer
#user.id: integer
-iban: string
-bic : string
-card_number : string
-card_expiration_date : date
-card_crypto : smallint

add_ceo()
edit_ceo()
delete_ceo()
delete_user()
delete_company()

offer_subscription

#company.id
#offer.id
- subscription_date: date
- amount: integer

add_offer_subscription()
delete_offer_subscription()
edit_offer_subscription()
delete_company()
delete_offer()

offer

-id: integer
-name: integer
-description: integer
-value:integer

add_offer()
delete_offer()
edit_offer()

reduction

-id: integer
#company.id: smallinteger
#reduction_type.id: integer
-cost: integer
-name: string
-description: string
-product: string
-nb_max: integer
-creation_date: datetime
-start_date: datetime
-expiration_date: datetime
-repetition: integer

add_offer()
delete_offer()
edit_offer()
delete_company()
delete_reduction_type()

reduction_type

-id: integer
-name: string
-description: string

add_reduction_type()
delete_reduction_type()
edit_reduction_type()

company

-id: integer
-login: string
-name: string
-description: string
-phone_code: smallinteger
-phone_number: string
-registration_date: datetime
-background_picture: string
#company_type.id: smallint

add_company()
delete_company()
edit_company()
delete_company_type()

stats_company

#company.id : integer
#reduction.id : integer
-times_used : integer

add_company()
delete_company()
edit_company()

company_type

-id : smallinteger
-name : string
-description : string

add_company_type()
delete_company_type()
edit_company_type()

company_location

-id: integer
#company.id : integer
-gps_coordinates : string
-number: smallint
-street: string
-city: string
-country: string

add_company_location()
delete_company_location()
edit_company_location()
delete_company()

company_location_pictures

-id: integer
#company_location.id: integer
-picture_link: string

add_company_location_pictures()
delete_company_location_pictures()
edit_company_location_pictures()
delete_company_location()
delete_company()

points_earning

#company.id: integer
#points_earning_type.id : integer
-value: integer

add_points_earning()
delete_points_earning()
edit_points_earning()
delete_company()
delete_points_earning_type()

points_earning_type

-id: integer
-title: string
-description : string

add_points_earning_type()
delete_points_earning_type()
edit_points_earning_type()

Relationship multiplicities: 0..*, 1, 1..*, 0..1, 0..2