Escuela de Computación

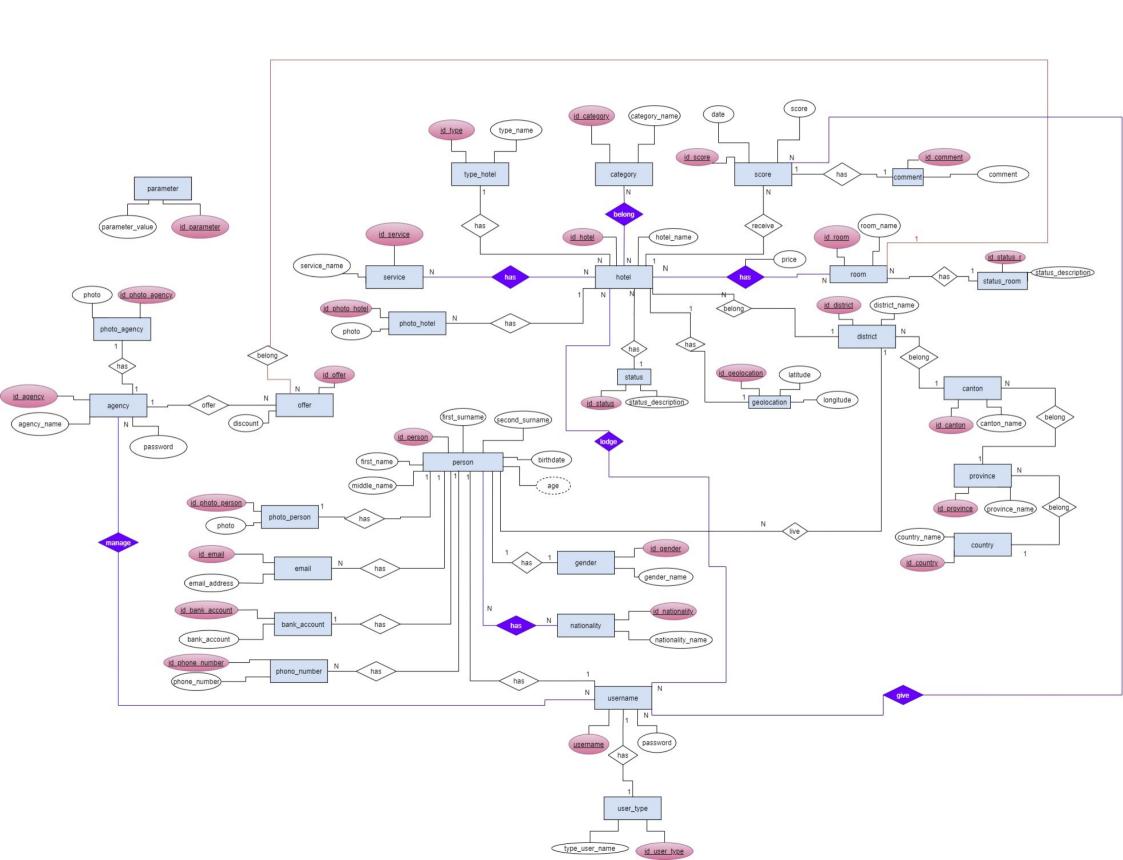**Bases de datos I – IC - 4301**

Grupo: 40

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Modelo Conceptual y Lógico – Proyecto II

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Modelo Conceptual

parameter
- parameter_value
- id_parameter

type_hotel
- id_type
- type_name
- has 1

category
- id_category
- category_name
- belong N

score
- id_score
- date
- score
- N has 1
- receive N

comment
- id_comment
- comment

service
- id_service
- service_name
- N has N

hotel
- id_hotel
- hotel_name
- N has N
- price

room
- id_room
- room_name
- N has 1

status_room
- id_status_r
- status_description

photo_agency
- photo
- id_photo_agency
- has 1

photo_hotel
- id_photo_hotel
- photo
- N has

district
- id_district
- district_name
- belong
- belong

status
- id_status
- status_description

geolocation
- id_geolocation
- latitude
- longitude

canton
- id_canton
- canton_name
- belong

agency
- id_agency
- agency_name
- password
- offer
- manage N

offer
- id_offer
- discount
- belong N

province
- id_province
- province_name
- belong

person
- id_person
- first_surname
- second_surname
- first_name
- middle_name
- birthdate
- age
- lodge
- live N

country
- country_name
- id_country
- belong

photo_person
- id_photo_person
- photo
- has 1

gender
- id_gender
- gender_name
- has 1

email
- id_email
- email_address
- has N

nationality
- id_nationality
- nationality_name
- has N

bank_account
- id_bank_account
- bank_account
- has 1

phono_number
- id_phone_number
- phone_number
- has

username
- username
- password
- has 1
- give N

user_type
- type_user_name
- id_user_type
- has 1

Modelo Lógico

person
PK: id_person

Columns: first_name,
middle_name,
first_surname,
second_surname,
birthdate,
id_person,
id_photo_person,
id_banck_account,
id_district,
id_gender

FK: id_photo_person is a reference to id_photoperson from the table photo_person.

FK: id_district is a reference to id_district from the table district.

FK: id_banck_account is a reference to id_banck_account from the table banck_account.

FK: id_gender is a reference to id_gender from the table id_gender

phone_number
PK: id_phone_number

Columns:
id_phone_number
phone_number
id_person

FK: id_person is a reference to id_person from the table person

nationality
PK: id_nationality

Columns: nationality_name,
id_person,
id_nationality

FK: id_person is a reference to id_person from the table person

gender
PK id_gender

Columns: id_gender,
gender_name

FK: none

email
PK id_email

Columns: id_email,
email_address
id_person

FK: id_person is a reference to id_person from the table person.

photo_person
PK: id_photo_person

Columns: id_photo_person,
photo

FK: none

district
PK: id_district

Columns: district_name,
id_district,
id_canton

FK: id_canton is a reference to id_canton in the table canton

canton
PK: id_canton

Columns: canton_name,
id_province
id_canton

FK: id_province is a reference to id_province from the table province

province
PK: id_province

Collumns: province_name,
id_country
id_province

FK: id_country is a reference to id_country from the table country

country
PK id_country

Columns: country_name
id_country

FK: none

username
PK: username

Columns: username,
password,
id_person,
id_type_user

FK: id_person is a reference to id_person from the table person

FK: id_type_user is a reference to id_type_user from the table type_user

user_type
PK: id_type_user,

Collumns: id_type_user,
type_user_name

FK: none

photo_agency
PK: id_photo_agency

Columns: id_photo_agency,
photo

FK: none

comment
PK: id_comment

Columns: id_comment,
comment

FK: none

banck_account
PK id_banck_account

Columns: id_banck_account
bank_account
id_person

FK: id_person is a reference to id_person from the table person.

agency
PK: id_agency

Columns: agency_name,
id_agency,
password,
id_photo_agency,

FK: id_photo_agency, is a reference to id_photo_agency, in the table photo_agency

offer
PK: id_offer

Columns: discount,
id_offer,
id_room

FK: id_room, is a reference to id_room in the table room.

hotel
PK: id_hotel

Columns: id_hotel,
hotel_name,
id_type,
id_district,
id_status,
id_geolocation

FK: id_type is a reference to id_type in the table type.

FK: id_district is a reference to id_district from the table district.

FK: id_status, is a reference to id_status in the table status.

FK: id_geolocation, is a reference to id_geolocation in the table geolocation.

service
PK: id_service

Columns: id_service,
service_name,

FK: none

photo_hotel
PK: id_photo_hotel

Columns: id_photo_hotel,
id_hotel,
photo

FK: id_hotel is a reference to id_hotel from the table hotel.

parameter
PK: id_parameter

Columns: id_parameter,
parameter_value

FK: none

type_hotel
PK: id_type

Columns: id_type,
type_name,

FK: none

category
PK_ id_category

Columns: id_category,
category_name

FK: none

status
PK: id_status

Columns: id_status,
status_description,

FK: none

geolocation
PK: id_geolocation

Columns: id_geolocation,
latitude,
length

FK: none

score
PK: id_score

Columns: id_score,
date,
score,
id_hotel,
id_comment

FK: id_hotel is a reference to id_hotel from the table hotel.

FK: id_comment is a reference to id_comment from the table comment.

room
PK: id_room

Columns: id_room,
room_name,
id_status_r,

FK: id_status_r, is a reference to id_status_r in the table status_room.

status_room
PK: id_status_r

Columns: id_status_r,
status_description,

FK: none

personXnationality
PK: id_person,
id_nationality

Columns: id_person,
id_nationality

FK: id_person is a reference to id_person from the table person

FK: id_nationality is a reference to id_nationality from the table nationality

usernameXscore
PK: username,
id_score

Columns: username,
id_score

FK: username is a reference to username from the table username

FK: id_score is a reference to id_score from the table score

usernameXagency
PK: username,
id_agency

Columns: username,
id_agency

FK: username is a reference to username from the table username

FK: id_agency is a reference to id_agency from the table agency

usernameXhotel
PK: username,
id_hotel

Columns: username,
id_hotel

FK: username is a reference to username from the table username

FK: id_hotel is a reference to id_hotel from the table hotel.

hotelxservice
PK: id_service,
id_hotel

Columns: id_service,
id_hotel

FK: id_service is a reference to id_service from the table service

FK: id_hotel is a reference to id_hotel from the table hotel.

hotelxcategory
PK: id_category,
id_hotel

Columns: id_service,
id_hotel

FK: id_category is a reference to id_category from the table category

FK: id_hotel is a reference to id_hotel from the table hotel.

roomXhotel
PK: id_room,
id_hotel

Columns: id_room,
id_hotel,
price

FK: id_room is a reference to id_room from the table room

FK: id_hotel is a reference to id_hotel from the table hotel