Datamart Project – Data Dictionary

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guests

column name	data type	PK/FK/AI/NN	Comment
guest_id	INT	PK, AI, NN	
first_name	VARCHAR(45)		
last_name	VARCHAR(45)		

profile_picture	TEXT		TEXT data contains link to picture stored in Google Drive
birthdate	DATE		

hosts

column name	data type	PK/FK/AI/NN	Comment
host_id			
first_name	VARCHAR(45)		
last_name	VARCHAR(45)		
profile_picture	TEXT		TEXT data contains link to picture stored in Google Drive
bithdate	DATE		
description	TEXT		Description Text for short introduction

city

column name	data type	PK/FK/AI/NN	Comment
city_id	INT	PK, AI, NN	
name	VARCHAR(80)		

country

column name	data type	PK/FK/AI/NN	Comment
country_id	INT	PK, AI, NN	
name	VARCHAR(80)		

property_adress

column name	data type	PK/FK/AI/NN	Comment
property_adress_id	INT	PK, AI, NN	
country_country_id	INT	FK, NN	
city_city_id	INT	FK, NN	
zip	INT		
street	VARCHAR(80)		
number	VARCHAR(12)		used VARCHAR to allow data like: 1/7/3

property_rules

column name	data type	PK/FK/AI/NN	Comment
property_rules_id	INT	PK, AI, NN	
check_in	TIME		
check_out	TIME		
max_guests	INT		maximum number of guests allowed in property

properties

column name	data type	PK/FK/AI/NN	Comment
property_id	INT	PK, AI, NN	
name	VARCHAR(80)		name of property
type	VARCHAR(60)		type of property
description	TEXT		
bathrooms	INT		
rooms	INT		
property_adress_property_adress_id	INT	FK, NN	
property_rules_property_rules_id	INT	FK, NN	
hosts_host_id	INT	FK, NN	

property_review

column name	data type	PK/FK/AI/NN	Comment
property_review_id	INT	PK, AI, NN	
review	TEXT		
star_review	TINYINT		"star" review from 1 to 5
properties_property_id	INT	FK, NN	
guests_guest_id	INT	FK, NN	

property_images

column name	data type	PK/FK/AI/NN	Comment
image	TEXT		TEXT data contains link to picture stored in Google Drive
properties_property_id	INT	FK, NN	

guest_review

column name	data type	PK/FK/AI/NN	Comment
guest_review_id	INT	PK, AI, NN	
review	TEXT		
star_review	TINYINT		"star" review from 1 to 5
guests_guest_id	INT	FK, NN	
hosts_host_id	INT	FK, NN	

booking

column name	data type	PK/FK/AI/NN	Comment
booking_id	INT	PK, AI, NN	
start	DATE		
end	DATE		
number_guests	INT		number of guests staying for specific booking
guests_guest_id	INT	FK, NN	
properties_property_id	INT	FK, NN	

administrators

column name	data type	PK/FK/AI/NN	Comment
administrator_id	INT	PK, AI, NN	
first_name	VARCHAR(45)		
last_name	VARCHAR(45)		

payment_information

column name	data type	PK/FK/AI/NN	Comment
payment_information_id	INT	PK, AI, NN	
type	VARCHAR(45)		type of payment e.g. credit card, paypal
payment_details	VARCHAR(200)		e.g. credit card number
hosts_host_id	INT	FK, NN	
guests_guest_id	INT	FK, NN	

payment

column name	data type	PK/FK/AI/NN	Comment
payment_id	INT	PK, AI, NN	

currency	VARCHAR(45)		
amount	DECIMAL(7,2)		
payment_date	DATETIME		
payment_status	VARCHAR(45)		
properties_property_id	INT	FK, NN	
hosts_host_id	INT	FK, NN	
guests_guest_id	INT	FK, NN	
booking_booking_id	INT	FK, NN	
administrators_administrator_id	INT	FK, NN	
payment_information_payment_information_id	INT	FK, NN	

amenities

column name	data type	PK/FK/AI/NN	Comment
amenities_id	INT	PK, AI, NN	
name	VARCHAR(80)		
description	VARCHAR(300)		

guest_adress

column name	data type	PK/FK/AI/NN	Comment
guest_adress_id	INT	PK, AI, NN	
country_country_id	INT	FK, NN	
city_city_id	INT	FK, NN	
zip	INT		
street	VARCHAR(80)		
number	VARCHAR(12)		used VARCHAR to allow data like: 1/7/3
guests_guest_id	INT	FK, NN	

property_availability

column name	data type	PK/FK/AI/NN	Comment
properties_property_id	INT	PK, AI, NN	
start_date	DATE		
end_date	DATE		
available	TINYINT(1)		0 for unavailable, 1 for available

languages

column name	data type	PK/FK/AI/NN	Comment
languages_id	INT	PK, AI, NN	
language	VARCHAR(80)		

telephone_numbers

column name	data type	PK/FK/AI/NN	Comment
telephone_numbers_id	INT	PK, AI, NN	
telephone_number	VARCHAR(80)		
administrators_administrator_id	INT	FK, NN	
guests_guest_id	INT	FK, NN	
hosts_host_id	INT	FK, NN	

e_mail

column name	data type	PK/FK/AI/NN	Comment
e_mail_id	INT	PK, AI, NN	
e_mail	VARCHAR(100)		
guests_guest_id	INT	FK, NN	
administrators_administrator_id	INT	FK, NN	
hosts_host_id	INt	FK, NN	

costs

column name	data type	PK/FK/AI/NN	Comment
costs_id	INT	PK, AI, NN	
price_per_night	DECIMAL(6,2)		
service_fee	DECIMAL(5,2)		
cleaning_costs	DECIMAL(5,2)		
properties_property_id	INT	FK, NN	

property_has_amenities

column name	data type	PK/FK/AI/NN	Comment
properties_property_id	INT	FK, NN	
amenities_amenities_id	INT	FK, NN	

hosts_has_languages

column name	data type	PK/FK/AI/NN	Comment
hosts_host_id	INT	FK, NN	
languages_languages_id	INT	FK, NN	
level	VARCHAR(45)		

guests_has_languages

column name	data type	PK/FK/AI/NN	Comment
guests_guest_id	INT	FK, NN	
languages_languages_id	INT	FK, NN	
level	VARCHAR(45)		

administrators_has_languages

column name	data type	PK/FK/AI/NN	Comment
administrators_administrator_id	INT	FK, NN	
languages_languages_id	INT	FK, NN	
level	VARCHAR(45)		

beds

column name	data type	PK/FK/AI/NN	Comment
bed_id	INT	PK, AI, NN	
type	VARCHAR(45)		

properties_has_beds

column name	data type	PK/FK/AI/NN	Comment
properties_property_id	INT	FK, NN	
beds_bed_id	INT	FK, NN	
number	INT		number of beds in property