

Location	Attribute Name	Data Type	Constraint
Address	address_id	INT	AUTO_INCREMENT PRIMARY KEY
Address	country	VARCHAR(128)	NOT NULL
Address	state	VARCHAR(128)	NOT NULL
Address	city	VARCHAR(128)	NOT NULL
Address	street	VARCHAR(128)	NOT NULL
Address	house_nr	INT	NOT NULL
Address	zip_code	INT	NOT NULL
Address	address_type	VARCHAR(32)	
User	user_id	INT	AUTO_INCREMENT PRIMARY KEY
User	address_id	INT	FOREIGN KEY
User	email	VARCHAR(128)	NOT NULL
User	legal_name	VARCHAR(64)	NOT NULL
User	governmentid_image_id	INT	
Guest	guest_id	INT	AUTO_INCREMENT PRIMARY KEY
Guest	user_id	INT	FOREIGN KEY UNIQUE NOT NULL
Guest	profile_image_id	INT	FOREIGN KEY UNIQUE NOT NULL
Guest	guest_description	TEXT	
Guest	phone_number	VARCHAR(16)	NOT NULL
Guest	triphistory_id	INT	FOREIGN KEY
Host	host_id	INT	AUTO_INCREMENT PRIMARY KEY
Host	user_id	INT	FOREIGN KEY UNIQUE NOT NULL
Host	profile_image_id	INT	FOREIGN KEY UNIQUE NOT NULL
Host	host_description	TEXT	NOT NULL
Host	phone_number	VARCHAR(16)	
Image	image_id	INT	AUTO_INCREMENT PRIMARY KEY
Image	uploaded_by_user_id	INT	FOREIGN KEY NOT NULL
Image	image_url	VARCHAR(1024)	NOT NULL
Image	created	TIMESTAMP	NOT NULL DEFAULT CURRENT_TIMESTAMP
UserReview	userreview_id	INT	AUTO_INCREMENT PRIMARY KEY
UserReview	user_id	INT	FOREIGN KEY NOT NULL
UserReview	author_user_id	INT	FOREIGN KEY NOT NULL
UserReview	comment	VARCHAR(2000)	
UserReview	created	TIMESTAMP	NOT NULL DEFAULT CURRENT_TIMESTAMP

UserReview	last_modified	TIMESTAMP	NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP
PropertyListing	propertylisting_id	INT	AUTO_INCREMENT PRIMARY KEY
PropertyListing	owning_host_id	INT	FOREIGN KEY NOT NULL
PropertyListing	name	VARCHAR(255)	FOREIGN KEY NOT NULL
PropertyListing	address_id	INT	FOREIGN KEY UNIQUE NOT NULL
PropertyListing	property_type_id	INT	FOREIGN KEY
PropertyListing	bedroom_count	INT	
PropertyListing	bathroom_count	INT	
PropertyListing	available_booking_slots	INT	
PropertyListing	price_per_night	DECIMAL(10,2)	
PropertyListing	currency_id	INT	FOREIGN KEY NOT NULL DEFAULT 1
PropertyListing	check_in_time	TIME	DEFAULT '14:00'
PropertyListing	check_out_time	TIME	DEFAULT '10:00'
PropertyListing	average_rating	DECIMAL(2,1)	DEFAULT 0
PropertyListing	total_nr_of_ratings	INT	DEFAULT 0
PropertyReview	propertyreview_id	INT	AUTO_INCREMENT PRIMARY KEY
PropertyReview	property_id	INT	FOREIGN KEY NOT NULL
PropertyReview	author_guest_id	INT	FOREIGN KEY NOT NULL
PropertyReview	cleanliness_score	INT	
PropertyReview	accuracy_score	INT	
PropertyReview	check_in_score	INT	
PropertyReview	communication_score	INT	
PropertyReview	location_score	INT	
PropertyReview	value_score	INT	
PropertyReview	comment	VARCHAR(2000)	
PropertyReview	created	TIMESTAMP	NOT NULL DEFAULT CURRENT_TIMESTAMP
Property_Category	property_category_id	INT	AUTO_INCREMENT PRIMARY KEY
Property_Category	name	VARCHAR(255)	FOREIGN KEY
Property_Category	icon_url	VARHCAR(1024)	FOREIGN KEY
Category	category_id	INT	AUTO_INCREMENT PRIMARY KEY
Category	name	VARHCAR(255)	
Category	icon_url	VARCHAR(1024)	
Category	created	TIMESTAMP	NOT NULL DEFAULT CURRENT_TIMESTAMP
Category	last_modified	TIMESTAMP	NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP

Property_Amenity	property_amenity_id	INT	AUTO_INCREMENT PRIMARY KEY
Property_Amenity	property_id	INT	FOREIGN KEY
Property_Amenity	amenity_id	INT	FOREIGN KEY
Amenity	amenity_id	INT	AUTO_INCREMENT PRIMARY KEY
Amenity	name	VARCHAR(255)	
Amenity	icon_url	VARCHAR(1024)	
Amenity	created	TIMESTAMP	NOT NULL DEFAULT CURRENT_TIMESTAMP
Amenity	last_modified	TIMESTAMP	NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP
Property_HouseRule	property_houserule_id	INT	AUTO_INCREMENT PRIMARY KEY
Property_HouseRule	property_id	INT	FOREIGN KEY
Property_HouseRule	houserule_id	INT	FOREIGN KEY
HouseRule	houserule_id	INT	AUTO_INCREMENT PRIMARY KEY
HouseRule	name	VARCHAR(255)	
HouseRule	icon_url	VARCHAR(1024)	
HouseRule	created	TIMESTAMP	NOT NULL DEFAULT CURRENT_TIMESTAMP
HouseRule	last_modified	TIMESTAMP	NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP
PropertyType	propertytype_id	INT	AUTO_INCREMENT PRIMARY KEY
PropertyType	name	VARCHAR(255)	
PropertyType	icon_url	VARCHAR(1024)	
PropertyType	created	TIMESTAMP	NOT NULL DEFAULT CURRENT_TIMESTAMP
PropertyType	last_modified	TIMESTAMP	NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP
Booking	booking_id	INT	AUTO_INCREMENT PRIMARY KEY
Booking	total_price	DECIMAL(10,2)	NOT NULL
Booking	currency_id	INT	FOREIGN KEY DEFAULT 1
Booking	booking_start_date	TIMESTAMP	NOT NULL
Booking	booking_end_date	TIMESTAMP	NOT NULL CHECK (booking_end_date > booking_start_date) *added via trigger.sql
Booking	confirmation_code	VARCHAR(16)	NOT NULL
Booking	cancelled	BOOLEAN	NOT NULL
Booking	cancellation_date	DATE	
Booking	refund_amount	DECIMAL(10,2)	
Booking	propertylisting_id	INT	FOREIGN KEY NOT NULL
Booking	host_id	INT	FOREIGN KEY NOT NULL
Booking	guest_id	INT	FOREIGN KEY NOT NULL
Booking	created	TIMESTAMP	NOT NULL DEFAULT CURRENT_TIMESTAMP

Wishlist	wishlist_id	INT	AUTO_INCREMENT PRIMARY KEY
Wishlist	name	VARCHAR(255)	NOT NULL
Wishlist	private	BOOLEAN	NOT NULL DEFAULT TRUE
Wishlist	owning_user_id	INT	FOREIGN KEY NOT NULL
Wishlist_PropertyListing	wishlist_propertylisting_id	INT	AUTO_INCREMENT PRIMARY KEY
Wishlist_PropertyListing	propertylisting_id	INT	FOREIGN KEY
Wishlist_PropertyListing	wishlist_id	INT	FOREIGN KEY
EmergencyContact	emergencycontact_id	INT	AUTO_INCREMENT PRIMARY KEY
EmergencyContact	name	VARCHAR(255)	NOT NULL
EmergencyContact	relationship	VARCHAR(255)	
EmergencyContact	prefered_language_id	INT	FOREIGN KEY DEFAULT 1
EmergencyContact	email	VARCHAR(255)	
EmergencyContact	country_code	VARCHAR(32)	
EmergencyContact	phone_number	VARCHAR(15)	NOT NULL
EmergencyContact	owning_user_id	INT	FOREIGN KEY NOT NULL
Language	language_id	INT	AUTO_INCREMENT PRIMARY KEY
Language	name	VARCHAR(32)	NOT NULL
Language	country	VARCHAR(32)	
Currency	currency_id	INT	AUTO_INCREMENT PRIMARY KEY
Currency	name	VARCHAR(64)	NOT NULL
Currency	abbreviation	VARCHAR(3)	
GiftCard	giftcard_code	VARCHAR(16)	PRIMARY KEY
GiftCard	amount	DECIMAL(10,2)	NOT NULL
GiftCard	currency_id	INT	FOREIGN KEY NOT NULL DEFAULT 1
GiftCard	valid_until_date	TIMESTAMP	NOT NULL
GiftCard	created	TIMESTAMP	NOT NULL DEFAULT CURRENT_TIMESTAMP
Transaction	transaction_id	INT	AUTO_INCREMENT PRIMARY KEY
Transaction	booking_id	INT	FOREIGN KEY NOT NULL
Transaction	bankinformation_id	INT	FOREIGN KEY
Transaction	creditcardinformation_id	INT	FOREIGN KEY
Transaction	created	TIMESTAMP	NOT NULL DEFAULT CURRENT_TIMESTAMP
Transaction	last_modified	TIMESTAMP	NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP
CreditCardInformation	creditcardinformation_id	INT	AUTO_INCREMENT PRIMARY KEY
CreditCardInformation	owning_guest_id	INT	FOREIGN KEY NOT NULL

CreditCardInformation	bank	VARCHAR(128)	NOT NULL
CreditCardInformation	card_number	VARCHAR(64)	NOT NULL
CreditCardInformation	cvc_code	VARCHAR(3)	NOT NULL
CreditCardInformation	expiration_date	DATE	NOT NULL
BankInformation	bankinformation_id	INT	AUTO_INCREMENT PRIMARY KEY
BankInformation	owning_host_id	INT	FOREIGN KEY
BankInformation	name	VARCHAR(128)	NOT NULL
BankInformation	account_nr	VARCHAR(32)	NOT NULL
BankInformation	code	VARCHAR(64)	NOT NULL
BankInformation	address_id	INT	FOREIGN KEY NOT NULL
Chat	chat_id	INT	AUTO_INCREMENT PRIMARY KEY
Chat	chat_partner_id	INT	FOREIGN KEY
Chat	owner_user_id	INT	FOREIGN KEY
Chat	created	TIMESTAMP	NOT NULL DEFAULT CURRENT_TIMESTAMP
Chat	last_modified	TIMESTAMP	NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP
Message	message_id	INT	AUTO_INCREMENT PRIMARY KEY
Message	text	TEXT	
Message	image_id	INT	FOREIGN KEY
Message	author_user_id	INT	FOREIGN KEY
Message	owning_chat_id	INT	FOREIGN KEY
Message	created	TIMESTAMP	NOT NULL DEFAULT CURRENT_TIMESTAMP