# ACCOUNT:

## UserID: varchar(10)

A unique identifier for each account

It is the primary key for USER and must not be duplicated

## Name: nvarchar(30):

The full name of the user

## Username: varchar(30):

The login name of the user account

Usernames must not be duplicated, NOT NULL

## Password: varchar(30):

- Mật khẩu của tài khoản người dùng

## PhoneNum: char(11):

The password for the user account

## Email: varchar(50):

The email address of the user

# MESSAGE:

## SenderID: varchar(10)

The UserID of the sender

It is a foreign key pointing to the UserID of USER

Must exist in USER

## ReceiverID: varchar(10)

The UserID of the receiver

It is a foreign key pointing to the UserID of USER

Must exist in USER

## Time: smalldatetime

The time the message was sent

Includes date, month, year, hour, minute, and second

## Contents: nvarchar(200)

Detailed information of the message

# PLACE:

## PlaceID: varchar(10)

The code number of the place of residence

It is the primary key for PLACE and must not be duplicated

## HostID: varchar(10)

The UserID of the host

Foreign key pointing to the UserID of USER

Must exist in USER

## AddressID: varchar(10)

The AddressID of the house address

Foreign key pointing to the AddressID of ADDRESS

Must exist in ADDRESS

## Category: varchar(20)

Classification of the type of residence

## PricePerNight: money

Rental price per night

## Description: nvarchar(150)

Detailed description of the residence written by the host

## Rating: numeric(1,1)

Average rating based on stars from reviews

## Active: bit

1 if currently available for rent and has vacant rooms

0 if inactive or fully booked

# ADDRESS

## AddressID: varchar(10)

The code number of the specific address

It is the primary key for ADDRESS and must not be duplicated

## CountryID: varchar(10)

The CountryID of the country to which the address belongs

Foreign key pointing to the CountryID of COUNTRY

Must exist in COUNTRY

## Address: nvarchar(50)

Specific details of the address such as street, district, ward, hamlet, province

# COUNTRY

## CountryID: varchar(10)

The code number of a country

It is the primary key for COUNTRY and must not be duplicated

## RegionID: varchar(10)

The RegionID of the region where the country is located

Foreign key pointing to the RegionID of REGION

Must exist in REGION

## Country: nvarchar(30)

The name of the country

# REGION

## RegionID: varchar(10)

The code number of a region

It is the primary key for REGION and must not be duplicated

## Region: nvarchar(30)

The name of the region or continent

# WISHLIST

## PlaceID: varchar(10)

The PlaceID of the residence that the user likes

Foreign key pointing to PlaceID of PLACE

Must exist in PLACE

## UserID: varchar(10)

The UserID of the user who likes the residence

Foreign key pointing to UserID of USER

Must exist in USER

# REVIEW

## PlaceID: varchar(10)

The PlaceID of the residence that the user reviewed

Foreign key pointing to PlaceID of PLACE

Must exist in PLACE

## UserID: varchar(10)

The UserID of the user who left the review

Foreign key pointing to UserID of USER

Must exist in USER

## ReviewDate: smalldatetime

The date the review was posted

Includes day, month, and year

## Star: numeric(1,1)

Rating given by the reviewer

Ranges from 0.0 to 5.0 corresponding to 0 to 5 stars

## Details: nvarchar(100)

Detailed comments from the user

May or may not be present

# AMENITIES

## AmenID: varchar(10)

The code number of the amenity

It is the primary key for AMENITIES and must not be duplicated

## Type: nvarchar(20)

Classification of the amenity, categorized by room type or provided services

## Detail: nvarchar(50)

Details of the amenity provided by the residence

# ACCOMMODATION

## PlaceID: varchar(10)

The PlaceID of the residence that provides the amenity

Foreign key pointing to PlaceID of PLACE

Must exist in PLACE

## AmenID: varchar(10)

The AmenID of the type of amenity provided by the residence

Foreign key pointing to AmenID of AMENITIES

Must exist in AMENITIES

## Condition: nvarchar(20)

Specific condition or status of the amenity or service

# BOOKING

## BookingID: varchar(10)

The code number of the booking

It is the primary key for BOOKING and must not be duplicated

## PlaceID: varchar(10)

The PlaceID of the residence rented by the user

Foreign key pointing to PlaceID of PLACE

Must exist in PLACE

## UserID: varchar(10)

The UserID of the person renting the residence

Foreign key pointing to UserID of USER

Must exist in USER

## CheckIn: smalldatetime

The date the renter will check in to the residence

## CheckOut: smalldatetime

The date the renter will check out from the residence

Must be later than CheckIn

## Guests: int

Number of guests

Must be a positive integer

## Fee: money

Tax collected by the website

# COUPON

## CouponID: varchar(10)

The code number of the discount coupon

It is the primary key for COUPON and must not be duplicated

## PercentOff: int

The percentage discount that the coupon will apply to an order

Must be a positive integer

## ExpireDate: smalldatetime

The expiration date of the coupon

# ORDER

## OrderID: varchar(10)

The code number of the booking invoice

It is the primary key for ORDER and must not be duplicated

## BookingID: varchar(10)

The BookingID of the booking the user is paying for

Foreign key pointing to BookingID of BOOKING

Must exist in BOOKING

## CouponID: varchar(10)

The CouponID of the discount coupon applied

Foreign key pointing to CouponID of COUPON

Must exist in COUPON

## PaymentID: varchar(10)

The PaymentID of the payment method used

Foreign key pointing to PaymentID of PAYMENT

Must exist in PAYMENT

## TotalPrice: money

The total amount of the invoice before discounts

(CheckOut - CheckIn) \* PricePerNight + Fee

## Discount: money

The amount saved due to the discount coupon

= TotalPrice \* PercentOff / 100

## FinalPrice: money

The final total amount after discounts

= TotalPrice - Discount

# BANK

## BankID: varchar(10)

The code number of the bank

It is the primary key for BANK and must not be duplicated

## BankName: varchar(50)

The name of the bank

# BANKACCOUNT

## BankID: varchar(10)

The BankID of the bank to which the account belongs

Foreign key pointing to BankID of BANK

Must exist in BANK

## UserID: varchar(10)

The UserID of the account holder

Foreign key pointing to UserID of ACCOUNT

Must exist in ACCOUNT

## BankAccount: varchar(20)

The bank account number

# PAYMENT

## PaymentID: varchar(10)

The code number of the payment method

It is the primary key for PAYMENT and must not be duplicated

## Method: varchar(15)

A detailed description of the payment method

## BankID: varchar(10)

The BankID of the bank that the user uses for payment

Foreign key pointing to BankID of BANK

Must exist in BANK