



# Logical\_Design

## Entity Accom

The "Accommodations" table stores information about the available accommodations. It includes attributes such as accommodation title, description, location, amenities, and rules. The table is linked to the "Hosts" table through a foreign key relationship, indicating which host is responsible for the accommodation. It also has relationships with other entities such as bookings, reviews, photos, tags, and facilities, allowing for comprehensive management of the accommodation listings.

* Pk	AccomID	INT	
* Pk	HostID	INT	Foreign Key to Hosts.Host_ID
*	Title	VARCHAR(500)	
*	Description	TEXT	
	CreateDate	DATETIME	

### Indexes

Pk	pk_Accommodations	AccomID, HostID
Unq	unq_Accommodation_ID	AccomID

### Relationships

fk\_Accommodations\_Hosts ( HostID ) ref Hosts ( HostID )

## Entity AccomAmenity

This table serves as a link table to establish the relationship between accommodations and amenities. It allows for a many-to-many relationship, as an accommodation can have multiple amenities, and an amenity can be associated with multiple accommodations.

* Pk	AccomAmenityID	INT
* Pk	AccomID	INT
* Pk	AmenityID	INT

### Indexes

Pk	pk_AccommodationAmenity	AccomAmenityID, AccomID, AmenityID
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### Relationships

fk\_AccommodationAmenity\_Accommodations ( AccomID ) ref Accom ( AccomID )

fk\_AccommodationAmenity\_Amenities ( AmenityID ) ref Amenities ( AmenityID )

## Entity AccomCity

The AccomCity table stores the relationship between accommodations and cities, enabling easy categorization and search based on specific cities.

* Pk	AccomCityID	INT
* Pk	AccomID	INT
* Pk	CityID	INT

### Indexes

Pk	pk_AccommodationCity	AccomCityID, AccomID, CityID
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### Relationships

fk\_AccommodationCity\_Accommodations ( AccomID ) ref Accom ( AccomID )

fk\_AccommodationCity\_Cities ( CityID ) ref Cities ( CityID )

## Entity AccomCountry

The AccomCountry table establishes the connection between accommodations and countries, allowing for efficient categorization and search based on specific countries.

* Pk	AccomCountryID	INT
* Pk	AccomID	INT
* Pk	CountryID	INT

### Indexes

### Entity AccomCountry

Pk	pk_AccommodationCity_0	AccomCountryID, AccomID, CountryID
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#### Relationships

fk\_AccommodationCountry\_Accommodations ( AccomID ) ref Accom ( AccomID )

fk\_AccommodationCountry\_Countries ( CountryID ) ref Countries ( CountryID )

### Entity AccomFacilities

The AccomFacilities table serves as a link table to establish the relationship between accommodations and facilities. It enables a many-to-many relationship, where an accommodation can have multiple facilities, and a facility can be associated with multiple accommodations.

\* Pk AccomFacilityID INT

\* Pk AccomID INT

\* Pk FacilityID INT

#### Indexes

Pk	pk_AccommodationFacilities	AccomFacilityID, AccomID, FacilityID
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#### Relationships

fk\_AccommodationFacilities\_Accommodations ( AccomID ) ref Accom ( AccomID )

fk\_AccommodationFacilities\_Facilities ( FacilityID ) ref Facilities ( FacilityID )

### Entity AccomLocation

The AccomLocation table links accommodations with their respective locations, allowing for efficient search and filtering based on geographical proximity.

\* Pk AccomLocationID INT

\* Pk AccomID INT

\* Pk LocationID INT

#### Indexes

Pk	pk_AccommodationLocation	AccomLocationID, AccomID, LocationID
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#### Relationships

fk\_AccommodationLocation\_Accommodations ( AccomID ) ref Accom ( AccomID )

fk\_AccommodationLocation\_Locations ( LocationID ) ref Locations ( LocationID )

### Entity AccomPhotos

The AccomPhotos table links accommodations with their respective photos, allowing for a many-to-many relationship. It facilitates efficient storage and retrieval of photos, enhancing the visual representation of accommodations.

\* Pk AccomPhotoID INT

\* Unq PhotoID INT

\* Pk AccomID INT

#### Indexes

Pk pk\_AccomPhotos AccomPhotoID, AccomID

Unq unq\_PhotoID PhotoID

#### Relationships

fk\_AccomPhotos\_Accom ( AccomID ) ref Accom ( AccomID )

fk\_AccomPhotos\_Photos ( PhotoID ) ref Photos ( PhotoID )

### Entity AccomRule

This table is used to link specific rules to each accommodation, indicating which rules are applicable to a particular accommodation. The AccommodationRule table helps in organizing and managing the rules associated with each accommodation.

## Entity AccomRule

* Pk	AccomRuleID	INT
* Pk	AccomID	INT
* Pk	RuleID	INT

### Indexes

Pk	pk_AccommodationRule	AccomRuleID, AccomID, RuleID
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### Relationships

fk\_AccommodationRule\_Accommodations ( AccomID ) ref Accom ( AccomID )

fk\_AccommodationRule\_Rules ( RuleID ) ref Rules ( RuleID )

## Entity AccomTag

The AccommodationTag table links accommodations and tags in a many-to-many relationship. It categorizes accommodations based on relevant tags, aiding in organization and classification.labels.

* Pk	AccomTagID	INT
* Pk	AccomID	INT
* Pk	TagID	INT

### Indexes

Pk	pk_AccommodationTag	AccomTagID, AccomID, TagID
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### Relationships

fk\_AccommodationTag\_Accommodations ( AccomID ) ref Accom ( AccomID )

fk\_AccommodationTag\_Tags ( TagID ) ref Tags ( TagID )

## Entity Amenities

The Amenities table contains a list of amenities that are offered in accommodations. Each amenity is identified by a unique AmenityID and is described by an AmenityName. This table helps users to easily find accommodations that provide specific amenities, such as Wi-Fi, parking, pool, or gym facilities.

* Pk	AmenityID	INT
	AmenityName	VARCHAR(100)

### Indexes

Pk	pk_Amenities	AmenityID
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## Entity BookingExtensions

The Booking Extensions table tracks extension requests for Airbnb bookings. It includes attributes such as ExtensionID, BookingID, ExtensionDate, and NewOutDate. This table enables guests to request extensions, helps hosts manage extended stays, and facilitates communication between guests and hosts regarding changes to booking duration. It works in conjunction with the Payments and Cancellations tables to ensure smooth payment processing and handle booking modifications, enhancing the overall booking experience on Airbnb.

* Pk	ExtensionID	INT
* Pk	BookingID	INT Foreign Key to Bookings.Booking_ID
*	NewOutDate	DATETIME
*	ExtensionDate	DATETIME

### Indexes

Pk	pk_Booking_Extensions	ExtensionID, BookingID
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### Relationships

fk\_Booking\_Extensions\_Bookings ( BookingID ) ref Bookings ( BookingID )

Entity Bookings

The Bookings table in Airbnb stores important information about guest bookings, including attributes like BookingID, GuestID, AccomID, inDate, outDate, TotalPrice, and Status. It helps manage reservations, track booking details, and facilitate seamless interactions between guests and hosts.

By maintaining the Bookings table, Airbnb ensures accurate billing, payment processing, and availability management. It serves as a central repository for essential booking information, allowing hosts to view and manage their reservations effectively. The table also supports revenue calculation, invoice generation, and analysis of booking patterns.

In summary, the Bookings table is crucial for Airbnb's booking management system, enhancing the guest experience, facilitating communication, and ensuring smooth interactions between guests and hosts throughout the booking process.

* Pk	BookingID	INT	
* Pk	GuestID	INT	Foreign Key to Guests.Guest_ID
* Pk	AccomID	INT	Foreign Key to Accommodations.Accommodation_ID
*	inDate	DATETIME	
*	outDate	DATETIME	
*	TotalPrice	MONEY	
*	Status	CHAR(1)	

Indexes

Pk	pk_Bookings	BookingID, GuestID, AccomID
Unq	unq_Booking_ID	BookingID

Relationships

fk_Bookings_Guests ( GuestID ) ref Guests ( GuestID )
fk_Bookings_Accomodations ( AccomID ) ref Accom ( AccomID )

Entity Cancellations

The Cancellations table in the Airbnb database tracks booking cancellations, including details such as CancellationID, BookingID, CancellationDate, CancellationReason. It helps Airbnb analyze cancellation trends and handle refund processes, ensuring transparency and accountability.

* Pk	CancellationID	INT	
* Pk	BookingID	INT	Foreign Key to Bookings.Booking_ID
*	CancellationDate	DATETIME	
*	CancellationReason	VARCHAR(500)	

Indexes

Pk	pk_Cancellations	CancellationID, BookingID
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Relationships

fk_Cancellations_Bookings ( BookingID ) ref Bookings ( BookingID )
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Entity Cities

The Cities table stores city information, including CityID, CityName, CountryID, and Population. It allows Airbnb to categorize accommodations by city, enabling location-based search and filtering. The table supports analytics on popular cities and user preferences. Separating locations, countries, and cities into separate tables ensures efficient organization and management of geographic data on the platform.

* Pk	CityID	INT	
*	CityName	VARCHAR(100)	
* Pk	CountryID	INT	Foreign Key to Countries.Country_ID
*	Population	INT	

Indexes

Pk	pk_Cities	CityID, CountryID
Unq	unq_City_ID	CityID

Relationships

fk_Cities_Countries ( CountryID ) ref Countries ( CountryID )
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## Entity Commisions

The Commissions table in the Airbnb database stores information about commissions earned by the platform. It includes attributes such as CommissionID, BookingID, GuestCommission, HostCommission, and TotalCommission. This table enables accurate commission calculations, financial reporting, and payout processes. It supports Airbnb's financial management system and contributes to revenue tracking and commission processes.

* Pk	CommisionID	INT	
* Pk	BookingID	INT	Foreign Key to Bookings.Booking_ID
*	GuestCommision	MONEY	
*	HostCommision	MONEY	
*	TotalCommision	MONEY	

### Indexes

Pk	pk_Commissions	CommisionID, BookingID
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### Relationships

fk_Commissions_Bookings ( BookingID ) ref Bookings ( BookingID )
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## Entity Countries

The Countries table stores country information, including CountryID, CountryName, and CountryCode. It provides Airbnb with a list of countries for various operations, such as filtering accommodations or presenting localized information.

* Pk	CountryID	INT	
	CountryName	VARCHAR(100)	
*	Code	CHAR(3)	

### Indexes

Pk	pk_Countries	CountryID
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## Entity Facilities

The Facilities table stores unique facilities available in accommodations, identified by FacilityID and described by FacilityIName. It helps users identify accommodations with desired amenities, enhancing their selection process.requirements.

* Pk	FacilityID	INT	
	FacilityName	VARCHAR(100)	

### Indexes

Pk	pk_Facilities	FacilityID
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## Entity Favorites

The Favorites table records users' favorite accommodations on Airbnb. It includes attributes like FavouriteID, GuestID, AccomID, and DateAdded. This table allows users to keep track of accommodations they are interested in for future bookings, providing a convenient and organized way to access and compare their preferred options.

* Pk	FavoritesID	INT	
* Pk	GuestID	INT	Foreign Key to Guests.Guest_ID
* Pk	AccomID	INT	Foreign Key to Accommodations.Accommodation_ID
*	DateAdded	DATETIME	

### Indexes

Pk	pk_Favourites	FavoritesID, GuestID, AccomID
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### Relationships

fk_Favorites_Guests ( GuestID ) ref Guests ( GuestID )
fk_Favorites_Accomodations ( AccomID ) ref Accom ( AccomID )

## Entity Guests

The "Guests" table stores information specific to guests, including attributes such as age, gender, nationality, and preferred language. It is linked to the "Users" table through a foreign key relationship, allowing guests to have a user account with additional guest-specific details.

* Pk	GuestID	INT	Foreign Key to Users.User_ID
* Pk	UserID	INT	
*	JoinDate	DATETIME	

## Entity Guests

### Indexes

Pk	pk_Guests	GuestID, UserID
Unq	unq_User_ID	UserID
Unq	unq_Guest_ID	GuestID

### Relationships

fk\_Guests\_Users ( UserID ) ref Users ( UserID )

## Entity HostBank

The Host Bank Accounts table is used by Airbnb to store information related to the bank accounts of hosts. It includes details about the financial accounts that hosts have linked to their Airbnb profiles for receiving payments.

The table typically contains fields such as Host\_ID (a unique identifier for each host), Bank\_Name (the name of the bank associated with the account), Account\_Number (the account number provided by the host), Account\_Type (specifying whether it is a savings or checking account), Routing\_Number (the routing number for the bank), and Account\_Holder\_Name (the name of the account holder).

Host Bank Accounts allow hosts to receive payments for the bookings they have hosted through Airbnb. By linking their bank accounts, hosts can conveniently receive their earnings directly into their preferred financial institution. The table securely stores the necessary banking information to facilitate smooth and timely payments.

Maintaining a Host Bank Accounts table enables Airbnb to accurately transfer funds to hosts' designated accounts. It streamlines the payment process, reduces the risk of errors or delays, and provides a transparent record of financial transactions between Airbnb and hosts.

The Host Bank Accounts table is an essential component of Airbnb's financial infrastructure. It ensures that hosts receive their earnings promptly and reliably, enhancing their trust and satisfaction with the platform. Additionally, it allows Airbnb to maintain the necessary information for financial reporting and compliance purposes.

* Pk	HostBankAccountID	INT	
* Pk	HostID	INT	Foreign Key to Hosts.Host_ID
*	AccountNumber	INT	
*	BankName	VARCHAR(100)	
	AccountHolderName	VARCHAR(100)	
*	RoutingNumber	VARCHAR(500)	

### Indexes

Pk	pk_Host_Bank_Accounts	HostBankAccountID, HostID
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### Relationships

fk\_Host\_Bank\_Accounts\_Hosts ( HostID ) ref Hosts ( HostID )

## Entity Hosts

The "Hosts" table stores information about the hosts registered on the platform, including their profile details, verification status, and joining date.

* Pk	HostID	INT	Foreign Key to Users.User_ID
*	AboutMe	TEXT	
*	VerificationStatus	INT	
*	JoinDate	DATETIME	
* Pk	UserID	INT	

### Indexes

Unq	unq_Host_ID	HostID
Pk	pk_Hosts	HostID, UserID
Unq	unq_User_ID	UserID

## Entity Languages

The Languages table stores preferred languages of guests, including LanguageID and LanguageName. It provides a standardized list of languages for guests to choose from, ensuring consistency and facilitating language-based features within the platform. The table enables efficient language filtering and matching for accommodations, enhancing the user experience.

* Pk	LanguageID	INT
	LanguageName	VARCHAR(100)
* Pk	UserID	INT

### Indexes

Entity Languages

Pk	pk_Languages	LanguageID, UserID
Relationships		
	fk_Languages_Users ( UserID ) ref Users ( UserID )	

Entity Locations

The Locations table stores unique locations of accommodations, identified by Location\_ID. It includes attributes such as Address, and Latitude/Longitude. This table facilitates accurate search and location-based recommendations for users on Airbnb.

* Pk	LocationID	INT	
	LocationName	VARCHAR(100)	
*	Longitude	DECIMAL(4,8)	
*	Latitude	DECIMAL(3,8)	
*	Address	VARCHAR(100)	

Indexes			
Pk	pk_Entity	LocationID	

Entity Messaging

The Messaging table stores conversations and messages between users, including fields like MessageID, SenderID, RecipientID, MessageContent, and MessageDate. It enables real-time communication, private conversations, and enhances user experience by facilitating seamless interactions and preserving message history.

* Pk	MessageID	INT	
*	SenderID	INT	Foreign Key to Users.User_ID
*	ReceiverID	INT	Foreign Key to Users.User_ID
*	MessageContent	TEXT	
*	MessageDate	DATETIME	

Indexes			
Pk	pk_Messaging	MessageID	

Entity Notifications

The Notifications table stores information about notifications sent to users, including NotificationID, UserID, NotificationMessage, and NotificationDate. It enables the platform to deliver important messages and updates to users. The table allows users to view their notification history and provides a basis for implementing notification preferences and settings. Overall, it enhances communication, user engagement, and the overall user experience on the platform.

* Pk	NotificationID	INT	
* Pk	UserID	INT	Foreign Key to Users.User_ID
*	NotificationMessage	TEXT	
*	NotificationDate	DATETIME	

Indexes			
Pk	pk_Notifications	NotificationID, UserID	

Relationships			
	fk_Notifications_Users ( UserID ) ref Users ( UserID )		

Entity Payments

The Payments table stores crucial payment information for bookings on Airbnb, including attributes like PayID, BookingID, PayMethod, Amount, PayDate, PayMethod, and PayStatus. It ensures secure and reliable payment processing, financial reporting, and refund management.

By maintaining the Payments table, Airbnb can track and manage payment transactions effectively. It enables the generation of payment receipts, ensuring transparency and accountability. The table also facilitates financial reporting, providing insights into revenue generation and payment trends. Additionally, it supports refund processing, ensuring timely and accurate reimbursements when needed.

Overall, the Payments table plays a vital role in Airbnb's payment management system, ensuring smooth and secure financial transactions between guests and hosts.

* Pk	PayID	INT	
* Pk	BookingID	INT	Foreign Key to Bookings.Booking_ID
	Amount	MONEY	



## Entity Payments

*	PayDate	DATETIME
	PayMethod	VARCHAR(50)
	PayStatus	BOOLEAN

### Indexes

Pk	pk_Payments	PayID, BookingID
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### Relationships

fk\_Payments\_Bookings ( BookingID ) ref Bookings ( BookingID )

## Entity Photos

The Photos table in Airbnb stores accommodation photos with attributes like PhotoID, andPhotoLink. It enables hosts to showcase property visuals, aiding guests in assessing and selecting accommodations.

* Pk	PhotoID	INT
	PhotoLink	VARCHAR(500)

### Indexes

Pk	pk_Photos	PhotoID
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## Entity Ratings

In the Ratings table Each rating is associated with a unique RatingID, AccomID, AccomRating and HostID . The table allows users to provide detailed evaluations, helps calculate average ratings, and enables personalized recommendations based on specific criteria.

* Pk	RatingID	INT	
* Pk	AccomID	INT	Foreign Key to Accommodations.Accommodation_ID
* Pk	HostID	INT	Foreign Key to Hosts.Host_ID
*	AccomRating	DECIMAL(2,2)	

### Indexes

Pk	pk_Ratings	RatingID, AccomID, HostID
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### Relationships

fk\_Ratings\_Accomodations ( AccomID ) ref Accom ( AccomID )

fk\_Ratings\_Hosts ( HostID ) ref Hosts ( HostID )

## Entity Reviews

The Reviews table stores user reviews for accommodations on Airbnb, including attributes like ReviewID, AccomID, GuestID, Rating, and ReviewDate. It facilitates informed decision-making, sorting, filtering, and customer satisfaction analytics. By capturing user feedback, it helps calculate overall ratings and enhances the platform by providing valuable information for users during the booking process.

* Pk	ReviewID	INT	
* Pk	GuestID	INT	Foreign Key to Guests.Guest_ID
* Pk	AccomID	INT	Foreign Key to Accommodations.Accommodation_ID
*	Rating	DECIMAL(2,2)	
*	ReviewDate	DATETIME	

### Indexes

Pk	pk_Reviews	ReviewID, GuestID, AccomID
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Unq	unq_Review_ID	ReviewID
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### Relationships

fk\_Reviews\_Guests ( GuestID ) ref Guests ( GuestID )

fk\_Reviews\_Accomodations ( AccomID ) ref Accom ( AccomID )

## Entity ReviewsComments

The ReviewComments table stores user comments within reviews. It includes attributes like ReviewCommentID, CommentText, ReviewID, and CommentDate. This table enhances review data, supports sentiment analysis, and enables search and filtering functionalities. By separating review-related information into distinct tables, Airbnb can efficiently organize and manage user feedback, leading to improved analysis of accommodation quality and user reputation, ultimately enhancing the platform's user experience.

* Pk	ReviewCommentID	INT
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## Entity ReviewsComments

* Pk	ReviewID	INT	Foreign Key to Reviews.Review_ID
*	CommentText	TEXT	
*	CommentDate	DATETIME	

### Indexes

Pk	pk_Reviews_Comments	ReviewCommentID, ReviewID
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### Relationships

fk\_Reviews\_Comments\_Reviews ( ReviewID ) ref Reviews ( ReviewID )

## Entity Rules

The Rules table stores accommodation rules, identified by a unique RuleID and described by a RuleDescription. It helps hosts communicate expectations and ensures a pleasant stay for guests by outlining policies and regulations.

* Pk	RuleID	INT
	RuleDescription	TEXT

### Indexes

Pk	pk_Rules	RuleID
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## Entity SocialMedia

The SocialMedia table stores information about social media profiles linked to user profiles, including SocialMediaID, UserID, SocialMediaType, and ProfileLink. It enables users to connect and showcase their social media presence within the platform, fostering social connectivity and community engagement.

* Pk	SocialMediaID	INT	
* Pk	UserID	INT	Foreign Key to Users.User_ID
	SocialMediaType	VARCHAR(500)	
	ProfileLink	VARCHAR(500)	

### Indexes

Pk	pk_Social_Media	SocialMediaID, UserID
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### Relationships

fk\_Social\_Media\_Users ( UserID ) ref Users ( UserID )

## Entity SpecialOffers

The Special Offers table is used by Airbnb to manage and track special deals, discounts, or promotional offers provided to guests for accommodations. It stores information about the specific offers available and the associated accommodations.

The table typically includes fields such as Offer\_ID (a unique identifier for each special offer), Accommodation\_ID (a foreign key referencing the accommodation to which the offer applies), Start\_Date (the start date of the offer), End\_Date (the end date of the offer), Discount\_Percentage (the percentage of discount offered), and Terms (any terms and conditions associated with the offer).

Special Offers allow hosts to attract guests by providing discounted rates or additional benefits for specific periods or circumstances. The table helps Airbnb keep track of active offers, their validity periods, and the accommodations eligible for those offers. It facilitates the process of applying and managing discounts for guests during the booking process.

By maintaining a Special Offers table, Airbnb can easily manage and update promotional campaigns, monitor the performance of different offers, and analyze the impact of discounts on booking rates and revenue. It provides a structured approach to offering incentives to guests and helps in driving bookings and customer satisfaction.

The Special Offers table plays a crucial role in Airbnb's marketing and sales strategies by allowing hosts to create attractive deals and promotions. It enhances the overall booking experience for guests and encourages them to choose accommodations that provide added value or cost savings.

* Pk	OfferID	INT	
* Pk	AccomID	INT	Foreign Key to Accommodations.Accommodation_ID
*	OfferTitle	VARCHAR(500)	
	OfferDescription	VARCHAR(500)	
*	OfferDiscount	DECIMAL	
*	OfferExpirationDate	DATETIME	
* Pk	HostID	INT	

### Indexes

## Entity SpecialOffers

Pk	pk_Special_Offers	OfferID, AccomID, HostID
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### Relationships

fk_Special_Offers_Accommodations ( AccomID ) ref Accom ( AccomID )
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fk_Special_Offers_Hosts ( HostID ) ref Hosts ( HostID )
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## Entity Tags

The Tags table stores unique tags associated with accommodations. It helps categorize and identify accommodations based on attributes, making search and filtering easier for users.

* Pk	TagID	INT
*	TagName	VARCHAR(100)

### Indexes

Pk	pk_Tags	TagID
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## Entity UserAccommodation

This table represents the relationship between users and accommodations, indicating which users have a connection to specific accommodations. The UserAccommodation table allows for a many-to-many relationship between users and accommodations, as a user can be associated with multiple accommodations, and an accommodation can be associated with multiple users.

* Pk	UserAccommodationID	INT
* Unq	UserID	INT
* Pk	AccomID	INT

### Indexes

Pk	pk_UserAccommodation	UserAccommodationID, AccomID
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Unq	unq_User_ID	UserID
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### Relationships

fk_UserAccommodation_Users ( UserID ) ref Users ( UserID )
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fk_UserAccommodation_Accommodations ( AccomID ) ref Accom ( AccomID )
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## Entity UserRatings

The UserRatings table stores information about ratings given by users to other users, including attributes like UserRatingID, RatedUserID, RatingUserID, Rating Value, and RatingType. It enables users to evaluate and provide feedback on their interactions with other users, fostering trust and accountability within the Airbnb community.

* Pk	UserRatingID	INT	
* Unq	RatedUserID	INT	Foreign Key to Users.User_ID
*	RatingType	VARCHAR(5)	Host or Guest
*	RatingValue	DECIMAL(2,2)	
* Pk	RatingUserID	INT	

### Indexes

Pk	pk_User_Ratings	UserRatingID, RatingUserID
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Unq	unq_Rated_User_ID	RatedUserID
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### Relationships

fk_User_Ratings_Users ( RatingUserID ) ref Users ( UserID )
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## Entity Users

The "Users" table stores information about registered users, including their basic profile information such as name, email, password, and contact information. It also includes an optional field for a profile picture and the option to link their profile to social media accounts.

* Pk	UserID	INT
*	Name	VARCHAR(100)
*	Email	VARCHAR(500)
*	Password	VARCHAR(500)

Entity Users

	ProfilePicture	VARCHAR(500)
*	PhoneNumber	VARCHAR(500)
*	Gender	VARCHAR(50)
*	Nationality	VARCHAR(50)
*	Age	INT

Indexes

Pk	pk_Users	UserID
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Relationships

fk_Users_Hosts ( UserID ) ref Hosts ( UserID )
fk_Users_Guests ( UserID ) ref Guests ( UserID )
fk_Users_User_Ratings ( UserID ) ref UserRatings ( RatedUserID )

Entity Verifications

The Verifications table stores host verification statuses, including VerificationID and VerificationStatus. It ensures host credibility and trustworthiness by verifying their identity or relevant information through methods such as email, phone, ID, or social media verification. The table enables displaying verified badges on host profiles and implementing security measures to enhance user trust.

* Pk	VerificationID	INT
*	VerificationStatus	BOOLEAN
* Pk	HostID	INT

Indexes

Pk	pk_Verifications	VerificationID, HostID
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Relationships

fk_Verifications_Hosts ( HostID ) ref Hosts ( HostID )
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