**Logical Data Model**

**1. User Table :-**

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| --- | --- | --- | --- |
| S.no. | Column Name | Data type | Description |
|  | User\_id | Long | It identifies a user uniquely. It is an autogenerated and primary key for the User table. |
|  | First\_name | VARCHAR(25) | It stores the first name of the user. |
|  | Last\_name | VARCHAR(25) | It stores the last name of the user. |
|  | Gender | VARCHAR(1) | It stores the gender of the user and only 2 values are possible. “M”- Male and “F”- Female |
|  | DOB | DATE | It stores the date of birth of the user. |
|  | Email | VARCHAR(40) | It stores the unique email address of the user. |
|  | Contact\_Number | VARCHAR(10) | It stores the phone number of the user. |
|  | Describe\_yourself | VARCHAR(250) | It stores the personal description about the user. |
|  | Address\_id | Long | It represents the address\_id from address table. |
|  | Review\_id | Long | It represents the review\_id from Review table. |
|  | Verification\_id | Long | It represents the verification\_id from Verification table. |
|  | Rating\_id | Long | It represents the rating of user/property. |
|  | School | Varchar(50) | It stores the school name of the user. |
|  | College | Varchar(50) | It stores the college name of the user. |
|  | Company | Varchar(50) | It stores the company name that user works in. |
|  | Emergency\_No | Varchar(10) | It stores the language of the user. |
|  | Password | Varchar(25) | It stores the password of the user. |

**2. Address Table :-**

|  |  |  |  |
| --- | --- | --- | --- |
| S.no. | Column Name | Data type | Description |
|  | Address\_id | Long | It represents the primary |
|  | House No. | Varchar(10) | It represents the number that identify a house. |
|  | StreetName | Varchar(25) | It stores the name of the street. |
|  | ColonyName | Varchar(25) | It stores the name of the Colony. |
|  | AreaName | Varchar(25) | It store the name of the area. |
|  | City/Town | Varchar(25) | It stores the City/Town name. |
|  | Pincode | Varchar(6) | It stores the pin code of the address. |
|  | State | Varchar(25) | It stores the name of the state. |
|  | Country | Varchar(25) | It stores the name of the country. |

**3. Property Table :-**

|  |  |  |  |
| --- | --- | --- | --- |
| S.no. | Column Name | Data type | Description |
|  | Property\_id | Long | It stores the auto generated primary key that identifies a property uniquely. |
|  | Property\_name | Varchar(50) | It stores the name of the property, which is displayed as a name of property. |
|  | Description | Varchar(250) | It stores the description abou the property |
|  | House\_rules | Varchar(250) | It stores the rules for the house to stay. |
|  | Nightly\_price | Double | It stores the per night price of the property. |
|  | Accommodates | Integer | It stores the no. of people can stay inside the property. |
|  | Weekly\_discount | Integer | It stores the discount percentage, when any guest book the property for few weeks. |
|  | Monthly\_discount | Integer | It stores the discount in percentage, when any guest book the property for a month or more. |
|  | Add\_guest\_price | Double | It stores the per night price for additional guests. |
|  | Cleaning\_fee | Double | It stores the cleaning fee for the property for a stay |
|  | Address\_id | Long | It stores the address id for the property. |
|  | Amenities\_id | Long | It stores the amenities id for the property. |
|  | Property\_type | Varchar(1) | It stores the type of the property  0 – Apartment  1 – Private room  2 – Bed & Breakfast  4 – Villa  5 – Hotel |
|  | Direction | Varchar(200) | It stores the driving direction of the property. |
|  | No. of Rooms | Varchar(1) | It stores the no. of rooms in an Property (0-9) |
|  | Safety\_checklist\_id | Long | It stores the id of the Safety Table, |
|  | Status | Varchar(1) | It stores the status of the property.  0 – Inactive  1 – To be reviewed  2 – Active |
|  | Minimum\_nights | Varchar(1) | It stores the minimum no. of nights that a guest has to stay in property (0-9) |
|  | Review\_id | Long | It represents the Primary key of review table. |
|  | Rating\_id | Long | It stores the primary key of the Rating table. |
|  | User\_id | Long | It represents the id of the user property belongs to. |
|  | CheckIn\_Time | Time | It stores the check-in Time |
|  | CheckOut\_Time | Time | It stores the checkout time for the guest. |
|  | Instant Book | Varchar(1) | It stores the value of the variable for Instant booking. 0 – False and 1 – True . |
|  | Deposit | Double | It stores the deposit amount, which needs to be deposited. |

**4. Image Table : -**

|  |  |  |  |
| --- | --- | --- | --- |
| S.no. | Column Name | Data type | Description |
|  | Image\_id | Long | It stores the id of the image (Primary Key) |
|  | Image\_name | Varchar(25) | It stores the name for the image. |
|  | User\_id | Long | It represents the foreign key (UserId) of the user table. |
|  | Property\_id | Long | It represents the foreign key(propertyId) of the Property table. |
|  | Verification\_id | Long | It represents the foreign key for the Verification table. |
|  | Image Type | Varchar(1) | It represents the type of the image stored.  0 – User  1 – Property  2 – Verification |
|  | Image\_Path | Varchar(100) | It stores the folder location of the image. |

**5. Verification Table :-**

|  |  |  |  |
| --- | --- | --- | --- |
| S.no. | Column Name | Data type | Description |
|  | Verification\_id | Long | It represents the autogenerated primary key to uniquely identify any image. |
|  | Contact\_Number | Varchar(1) | Status 0 represents pending & 1 represents verified. |
|  | Email | Varchar(1) | Status 0 represents pending & 1 represents verified. |
|  | Facebook | Varchar(1) | Status 0 represents pending & 1 represents verified. |
|  | Google | Varchar(1) | Status 0 represents pending & 1 represents verified. |
|  | LinkedIn | Varchar(1) | Status 0 represents pending & 1 represents verified. |
|  | Twitter | Varchar(1) | Status 0 represents pending & 1 represents verified. |
|  | Passport | Varchar(1) | Status 0 represents pending & 1 represents verified. |
|  | Voter\_Id | Varchar(1) | Status 0 represents pending & 1 represents verified. |
|  | Adhar\_Card | Varchar(1) | Status 0 represents pending & 1 represents verified. |
|  | Pan\_Card | Varchar(1) | Status 0 represents pending & 1 represents verified. |
|  | Details | BLOB | It stores the verification data in an xml format, which can be parsed to display the information. |

**6. Review Table :-**

|  |  |  |  |
| --- | --- | --- | --- |
| S.no. | Column Name | Data type | Description |
|  | Review\_id | Long | It represents the autogenerated primary key to uniquely identify any review. |
|  | User\_id | Long | It stores the user\_id from the user table for the user, who has written the review. |
|  | Property\_id | Long | It stores the id from the Property table, for whom the review has been written. |
|  | Review | Varchar(200) | It contains the actual review. |
|  | Rating | Varchar(1) | It contains the rating provided by user (1-5) |
|  | Creation\_date | Date | It stores the creation date of the review. |