**Documentation of Laravel Project**

**1. Properties Table**

This table will store the basic information about each property, such as its type (apartment, villa house, penthouse), location, price, etc.

SQL : CREATE TABLE properties (

property\_id INT AUTO\_INCREMENT PRIMARY KEY,

property\_type VARCHAR(255) NOT NULL,

title VARCHAR(255) NOT NULL,

location VARCHAR(255) NOT NULL,

price DECIMAL(10, 2) NOT NULL,

status ENUM('available', 'sold', 'rented') NOT NULL DEFAULT 'available',

image\_url VARCHAR(255),

created\_at TIMESTAMP NULL DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP NULL DEFAULT CURRENT\_TIMESTAMP

);

| **Column Name** | **Data Type** | **Description** |
| --- | --- | --- |
| property\_id | INT (PK, AUTO\_INCREMENT) | Unique ID for each property |
| property\_type | VARCHAR(50) | Type of property (apartment, villa, penthouse) |
| title | VARCHAR(255) | Short title for the property |
| location | VARCHAR(255) | Location of the property |
| price | DECIMAL(10, 2) | Price of the property |
| status | ENUM('available', 'sold', 'rented') | Current status of the property |
| image\_url | VARCHAR(255) | URL of the property image |
| created\_at | TIMESTAMP | Date and time when the property was added |

**2. Property Details Table**

This table will store additional details about individual properties, such as their description, features, and specifications. It links to the Properties table via property\_id.

SQL : [CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) Property\_Details ( details\_id INT AUTO\_INCREMENT PRIMARY KEY, property\_id INT [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_not) NULL, description TEXT, bedrooms INT, bathrooms INT, size\_sqft DECIMAL(10, 2), year\_built INT, amenities VARCHAR(255), parking INT, floor\_number INT, created\_at TIMESTAMP NULL [DEFAULT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/miscellaneous-functions.html%23function_default) [CURRENT\_TIMESTAMP](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/date-and-time-functions.html%23function_current_timestamp), updated\_at TIMESTAMP NULL [DEFAULT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/miscellaneous-functions.html%23function_default) [CURRENT\_TIMESTAMP](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/date-and-time-functions.html%23function_current_timestamp), FOREIGN KEY (property\_id) REFERENCES Properties(property\_id) ON [DELETE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/delete.html) CASCADE );

| **Column Name** | **Data Type** | **Description** |
| --- | --- | --- |
| details\_id | INT (PK, AUTO\_INCREMENT) | Unique ID for the details entry |
| property\_id | INT (FK) | ID linking to the Properties table |
| description | TEXT | Full description of the property |
| bedrooms | INT | Number of bedrooms |
| bathrooms | INT | Number of bathrooms |
| size\_sqft | DECIMAL(10, 2) | Size of the property in square feet |
| year\_built | INT | Year when the property was built |
| amenities | VARCHAR(255) | List of amenities (comma-separated) |
| parking | INT | Number of parking spaces |
| floor\_number | INT | Floor number (for apartments or penthouses) |
| created\_at | TIMESTAMP | Date and time when the property details were added |

**3. Contacts Table**

This table will store inquiries or messages sent via the contact form.

SQL : [CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) Contacts ( contact\_id INT AUTO\_INCREMENT PRIMARY KEY, name VARCHAR(255) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_not) NULL, email VARCHAR(255) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_not) NULL, phone VARCHAR(20), message TEXT [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_not) NULL, created\_at TIMESTAMP NULL [DEFAULT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/miscellaneous-functions.html%23function_default) [CURRENT\_TIMESTAMP](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/date-and-time-functions.html%23function_current_timestamp), updated\_at TIMESTAMP NULL [DEFAULT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/miscellaneous-functions.html%23function_default) [CURRENT\_TIMESTAMP](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/date-and-time-functions.html%23function_current_timestamp) );

| **Column Name** | **Data Type** | **Description** |
| --- | --- | --- |
| contact\_id | INT (PK, AUTO\_INCREMENT) | Unique ID for each contact inquiry |
| name | VARCHAR(255) | Name of the person contacting |
| email | VARCHAR(255) | Email address of the person |
| phone | VARCHAR(20) | Phone number of the person (optional) |
| message | TEXT | Message sent by the person |
| created\_at | TIMESTAMP | Date and time when the message was sent |

**Relationships:**

* The Properties table links to the Property Details table through the property\_id column (Foreign Key).