

## Enumeration of database tables:

- **Rate users or potential future tenants :**
  - **City and district :** 2 separate search fields for the city and the neighborhood. Users can search for a property based on the desired city and neighborhood.
  - **Size :** add a search filter for property size. Users can specify the minimum and maximum size of the desired property.
  - **Price :** add a search filter for the price of the property. THE users can specify the minimum and maximum price they are willing to pay for a property.
  - **Apartment type :** add a drop-down list to allow users to select the type of apartment they are looking for, for example, studio, 1 bedroom, 2 bedrooms, etc.
  - **Floor level :** add a search filter for the floor level of the property. Users can specify the desired floor level for the property.
  - **Furnished or unfurnished :** add a checkbox to allow users to select whether they are looking for a furnished or unfurnished property.
  - **Availability date :** You can add a search filter for the property availability date. Users can specify the date they wish to move into the property.

**NB :** By using lookup tables to store users' search criteria, you can improve the usability and performance of your property management application by allowing users to easily find properties that match their search criteria.

**To add the 'alert' functionality, here are the steps to follow:**

- **Create alert subscription table** : You can create a new database table to store user subscription information. This table could contain columns such as user ID, type of alert (new apartments, deals, etc.), searched city or neighborhood, minimum and maximum property size, maximum price, subscription start date and subscription end date.
  
- **Create an alert subscription form** : You can create a form in your view to allow users to subscribe to alerts. This form could contain fields such as drop-down lists to allow users to select the alert type and desired city or neighborhood, checkboxes to specify minimum and maximum property size and maximum price, and text fields to allow users to specify subscription start and end dates.
  
- **Add functionality to send alerts** : You can create a functionality to send alerts to users based on their subscription criteria. You can use tools such as scheduled tasks (cron jobs) to run a background task that periodically checks for new properties added to your application and sends alerts to users who match those properties. **Note** : Scheduled tasks are automated processes that run at predefined intervals to perform recurring tasks in your application. In Laravel, you can use the Scheduler class to define scheduled tasks that run at predefined intervals, such as hourly, daily, weekly, etc.

To send alerts to users based on their subscription criteria, you can create a scheduled task that periodically checks for new properties added to your app and sends alerts to users who match those properties.

This scheduled task could implement a query that retrieves new properties added to your application since the last time the task was run, then checks whether these properties match the users' subscription criteria. If a match is found, the task can send an alert to the relevant user.

By using scheduled tasks to send alerts to users, you can automate this process and improve the efficiency of your property management application. It also allows users to be notified quickly of new properties that match their subscription criteria, improving their overall user experience.

- **Manage alert subscriptions** : You can add alerts features to manage user alert subscriptions, such as the ability to create, edit, and delete subscriptions. You can use Laravel controller methods to handle HTTP POST and GET requests sent by users to perform these operations.
- **View alert subscriptions** : You can add functionality to allow users to view their existing alert subscriptions. You can create a view to display a list of the user's subscriptions and allow them to modify or delete them according to their needs.

By adding this alert functionality to your Laravel property management application, you can help users stay informed about new releases and promotional offers, which can improve user experience and overall user satisfaction.

- **List Owner** :

- **Rental management** : Logez-vous offers rental management services for owners, such as the development of their property, the selection of tenants, the management of their file, the drafting of their lease, the inventory of entry and exit, the management of complaints, etc