

Client Table:

- Contains all necessary information to get in touch with registered clients, including their login credentials (username and password), billing address, phone number, and email.
- Ensures unique values for username, phone number, and email to avoid duplicates.

House_Model Table:

- Pre-loaded with all housing options the company offers.
- Includes details such as the number of bathrooms and bedrooms, construction time, square meters, and various costs (worker cost, commercial cost).
- Houses can be further personalized by adding features like extra rooms, pools, garages, etc.

Selected_House Table:

- Each entry in this table indicates that a particular client has selected a particular house.
- This table ensures that the same house can be selected by multiple clients and a client can select multiple houses.

House_Picture Table:

- Contains images of the housing options for clients to view.
- Each picture is linked to a specific house.

Feature Table:

- Pre-loaded with all extra features that can be added to any house.
- Includes details such as the feature name, unit cost, and additional information about the feature.

Feature_Picture Table:

- Contains images of the features for clients to view.
- Each picture is linked to a specific feature.

Selected_House_Feature Table:

- This table tracks the features that clients have selected for their chosen houses.
- Each entry indicates that a particular client has selected a particular feature for a particular house, along with the quantity of the feature. This table ensures that multiple features can be selected for a single house, multiple clients can select the same feature for different houses, and so on.

Summary

- The “**client**” table is connected to the “**selected_house**” table, indicating which houses a client has chosen.
- The “**house_model**” table is connected to both the house_picture table (storing pictures of houses) and the “**selected_house**” table (indicating houses chosen by clients).
- The “**feature**” table is connected to both the “**feature_picture**” table (storing pictures of features) and the “**selected_house_feature**” table (indicating features chosen by clients for their houses).
- The “**selected_house_feature**” table bridges the relationship between clients, houses, and features, tracking which features have been selected for which houses by which clients.

This setup ensures that clients can select houses and add various features or none at all, with the system maintaining a clear record of all selections.

The pre-loaded values in tables “house_model” and “feature” are there to demonstrate the app’s main function.