**Project Overview**

This Laravel project is designed to manage user addresses and provide the ability for users to add multiple addresses with defined types. The project consists of the following tables:

1. **users**: This table stores information about users, such as their name, email, phone number, and password.­­
   * Columns:
     + **id**: The unique identifier for each user.
     + **name**: The name of the user.
     + **email**: The unique email address of the user.
     + **phone\_number**: The unique phone number of the user.
     + **password**: The password of the user.
     + **created\_at**: The timestamp indicating when the user was created.
     + **updated\_at**: The timestamp indicating the last update of the user.
2. **countries**: This table stores a list of countries.
   * Columns:
     + **id**: The unique identifier for each country.
     + **name**: The name of the country.
3. **addresses**: This table stores information about user addresses.
   * Columns:
     + **id**: The unique identifier for each address.
     + **house\_number**: The house number of the address.
     + **street**: The street name of the address (nullable).
     + **address\_line**: Additional address line (nullable).
     + **city**: The city of the address.
     + **state**: The state of the address (nullable).
     + **country\_id**: The foreign key referencing the associated country.
     + **postal\_code**: The postal code of the address.
     + **created\_at**: The timestamp indicating when the address was created.
     + **updated\_at**: The timestamp indicating the last update of the address.
4. **customer\_locations**: This table represents the relationship between users and addresses, acting as a pivot table.
   * Columns:
     + **user\_id**: The foreign key referencing the associated user.
     + **address\_id**: The foreign key referencing the associated address.
     + **type**: The type of the address (nullable, defaults to "Residential").
     + **status**: The status of the address (1 for active, 0 for inactive).
     + **created\_at**: The timestamp indicating when the location was created.
     + **updated\_at**: The timestamp indicating the last update of the location.

**Seeders**

The project includes seeders that populate the database with sample data. The **run** method of the seeder class adds records to the **users**, **countries**, **addresses**, and **customer\_locations** tables.

The **users** seeder inserts two user records with their names, email addresses, phone numbers, and hashed passwords.

The **countries** seeder inserts a list of countries into the **countries** table.

The **addresses** seeder inserts two address records with their details, including house number, street, address line, city, state, country ID, and postal code.

The **customer\_locations** seeder establishes the relationship between users and addresses by inserting two records into the **customer\_locations** table. Each record contains the user ID, address ID, address type, and status.

Guidence to use this data-base structure

You only need to the extract the zip file that I have already added to the root directory and place the migrations file in migration folder, seeder file in the seeder folder and Model files in the models folder.  
After this step you only need to RUN this command in your VS Code Terminal***”php artisan migrate –seed”***

**THANKS FOR READING**