**Running Tiny Address Book Application**

**Prerequisites**

Before you start, ensure you have PHP, MySQL and Composer installed and running on your system. This project is designed to be run in a local development environment such as XAMPP, WAMP or any native PHP server setup.

**Installation**

Clone or Download the Project:

Clone the project repository to your local machine or download the ZIP file and extract it

**Place the Project in Your PHP Environment:**

- For XAMPP, place the tiny-address-book-php-angular folder in the htdocs directory.

- For WAMP, place it in the www directory.

- If you're using a native PHP environment or any other setup, ensure the project directory is placed in a location where your PHP server can execute it.

**Run the Backend Server:**

- Ensure your PHP and MySQL services are running.

- Access the backend application through your web browser:

***http://localhost/tiny-address-book-php-angular/backend/***

**Configure Your Environment:**

- Navigate to the project's backend directory.

- Copy .env.example to a new file named .env if not present.

- Edit the .env file to set your database connection details, including the database name, user, and password.

**Install Autoload Dependencies**: project uses Composer's autoload feature for class loading

Open a terminal and navigate to the ***backend*** directory of your project.

- To generate the ***vendor*** directory and the ***autoload.php*** file.

Note: if vendor folder does not exists then run following command else you can Skip this step.

***cd backend***

***composer dump-autoload***

**Database Setup:**

- Ensure MySQL is running.

- Open your MySQL client (phpMyAdmin, MySQL Workbench, or command line).

- Create a new database named as per the .env file configuration.

- Import the SQL file located in **backend/database/migrate.sql** to create tables and **backend/database/seed.sql** insert test data.

If you are unable to import the SQL file through a MySQL client, you can execute the database migration and seeding by accessing the following URL:

***http://localhost/tiny-address-book-php-angular/backend/migrate***

**Running Angular Application Setup Guide**

**Prerequisites**

Before you start, make sure you have Node.js and npm installed on your system. Angular CLI requires Node.js version 18 or later.

Open a terminal and navigate to the frontend directory of your Angular project.

***cd frontend***

Installing Node.js Dependencies

***npm install***

**Serve the Project**

To serve your project locally, navigate to your project directory and run:

***ng serve***

Access application through your web browser:

***http://localhost:4200/***