



# FPT- ADCADEMY INTERNATIONAL

## FPT - APTECH COMPUTER EDUCATION

### INSTALLATION GUIDE FOR LEGALEASE PROJECT

#### Online Legal Services Platform

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TP.HCM 28-12-2025

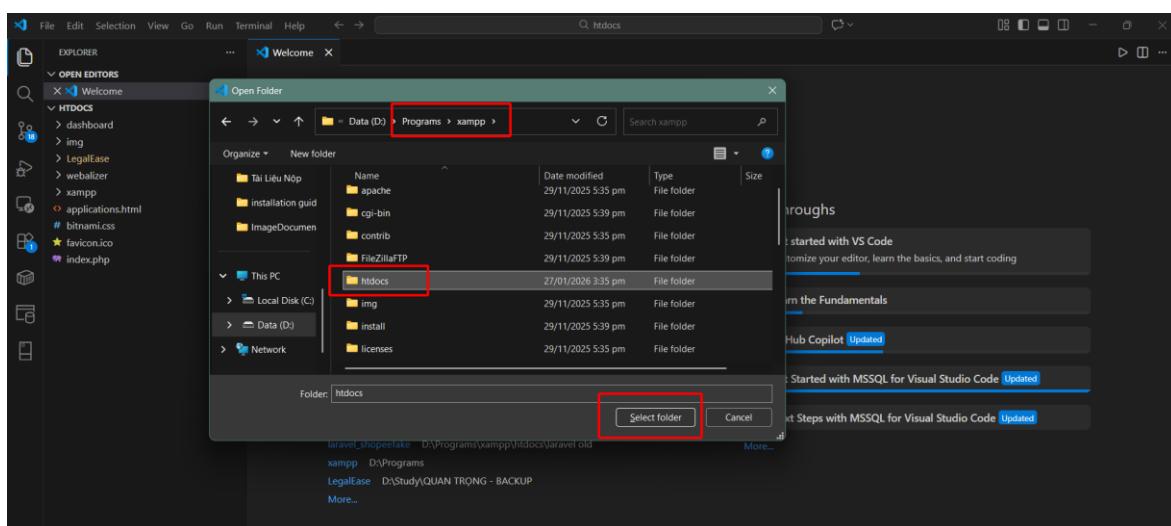
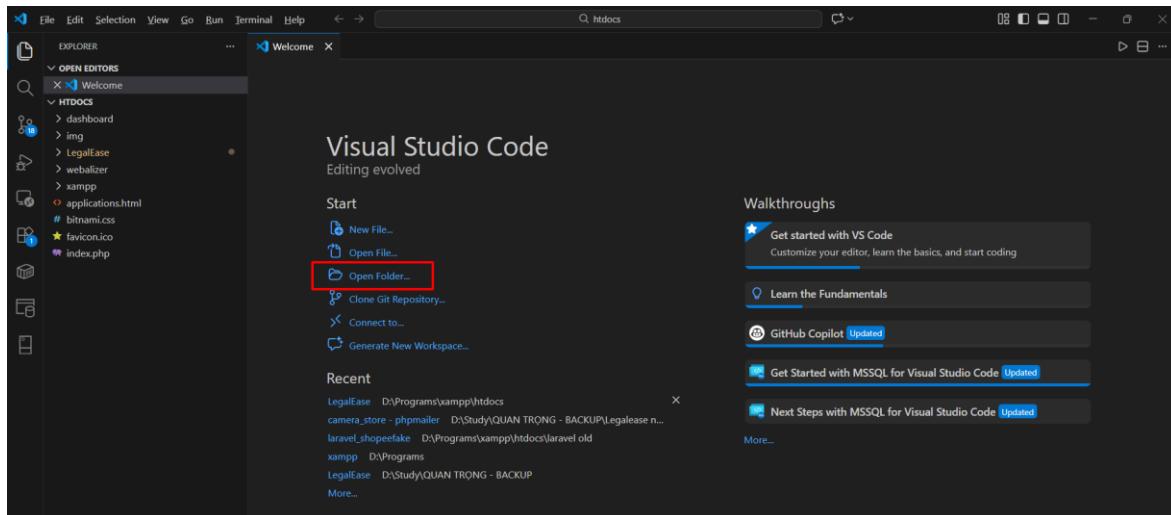
## System Requirements

HARDWARE REQUIREMENTS	
ADMIN/ USERS	
Minimum	Recommended
<ul style="list-style-type: none"><li>• Intel core I7.</li><li>• 8GB RAM.</li></ul>	<ul style="list-style-type: none"><li>• Intel core I5.</li><li>• 8GB RAM or higher.</li></ul>
SOFTWARE REQUIREMENTS	
<p>Microsoft® Windows 10/11. XAMPP. PHP MySQL. Vscode.</p>	

## A. Detailed Installation Steps

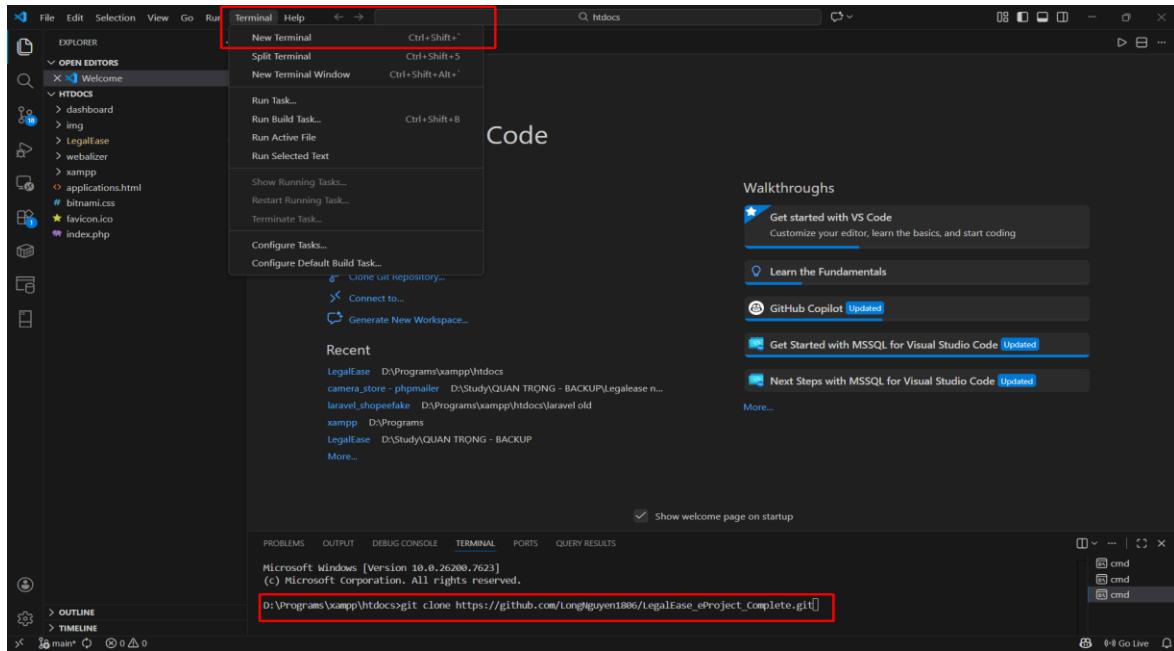
### Step 1: Prepare Source Code

1. Open VS Code and use the Open Folder option to open the htdocs folder within your XAMPP installation directory.

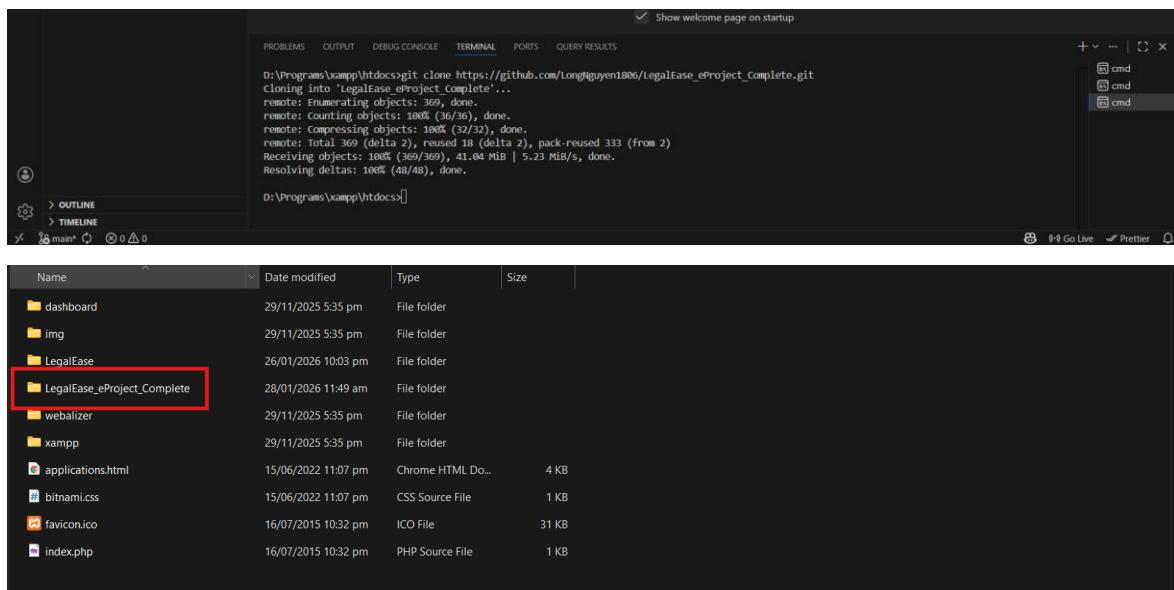


2. In the VS Code toolbar, go to Terminal -> New Terminal.
3. Execute the following command to clone the project repository from GitHub:

[https://github.com/LongNguyen1806/LegalEase\\_eProject\\_Complete.git](https://github.com/LongNguyen1806/LegalEase_eProject_Complete.git)

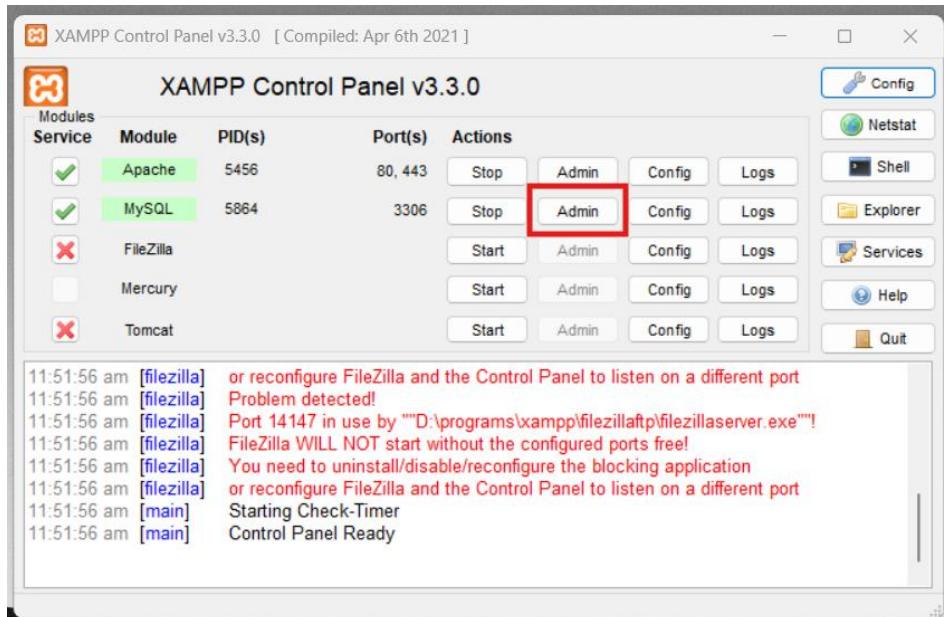


- Once the cloning process is finished, a folder named LegalEase\_eProject\_Complete will be available in the htdocs directory.



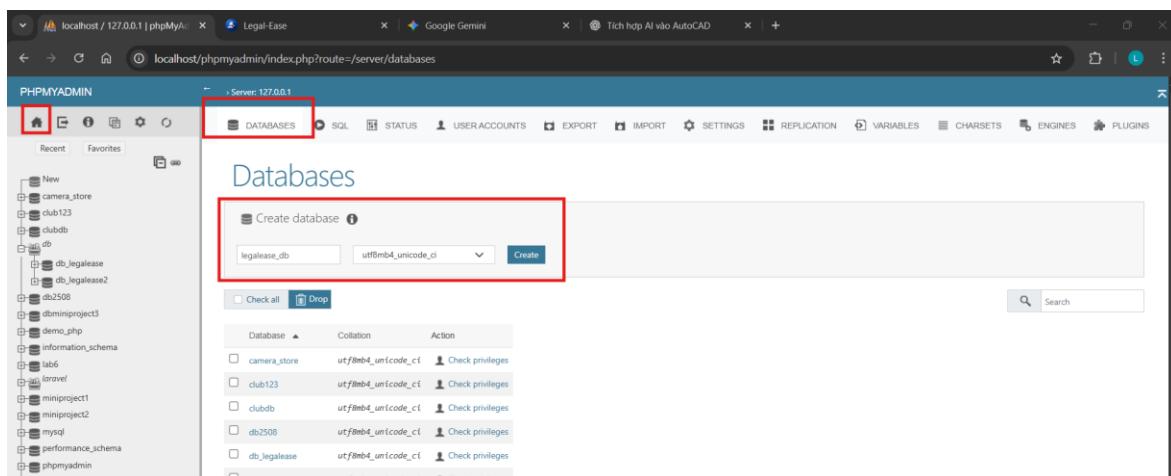
## Step 2: Database Setup

- Open the XAMPP Control Panel and click the Admin button next to MySQL to open the phpMyAdmin management page.



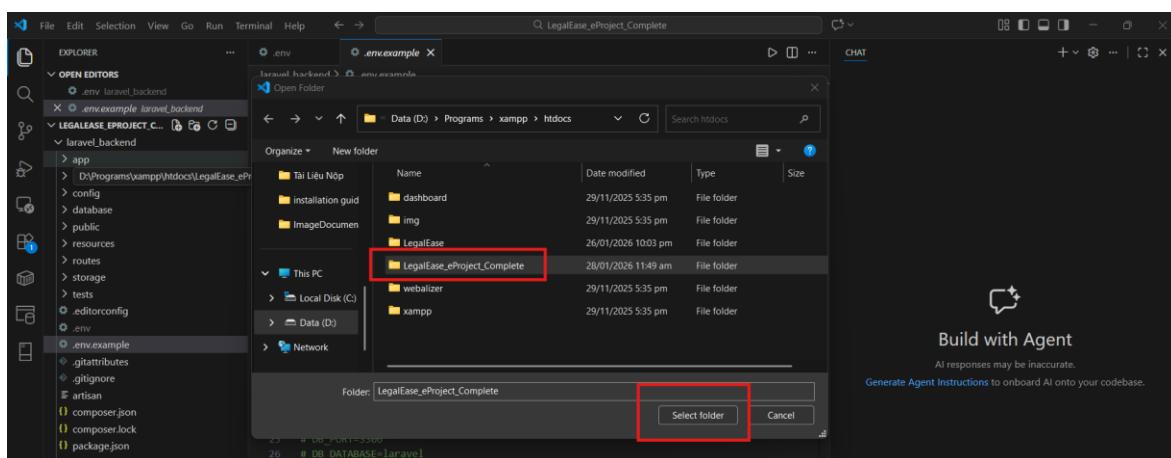
2. Create a new, empty database named: legalease\_db.

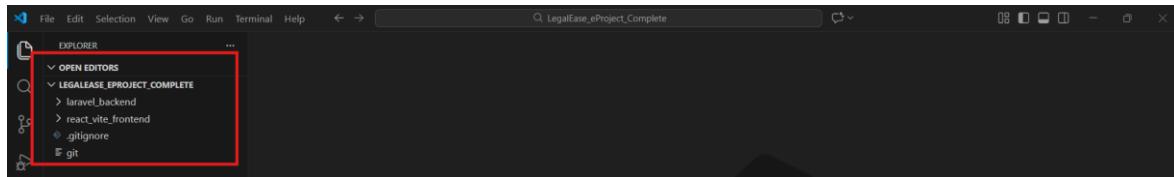
Note: This name must match the configuration in your Laravel .env file later.



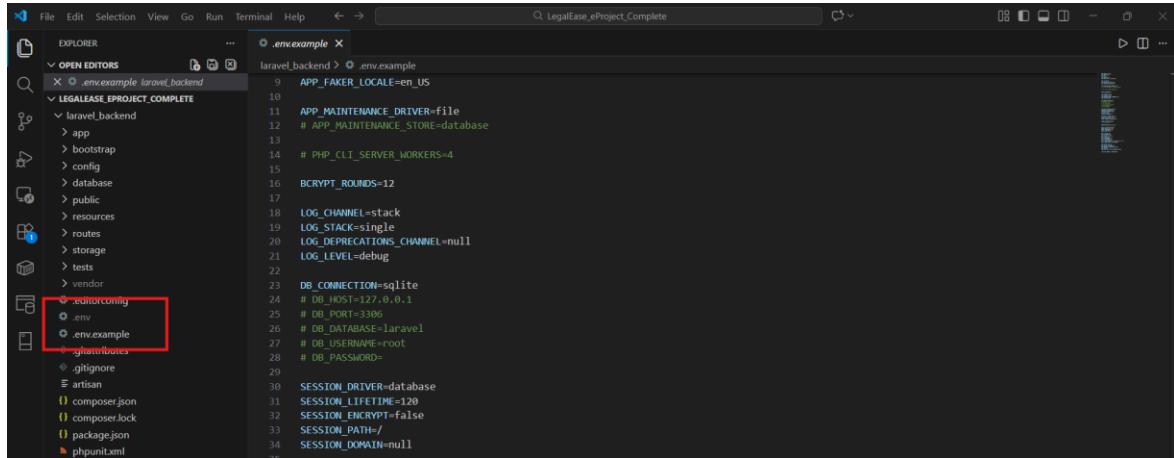
### Step 3: Backend Configuration (Laravel)

1. In VS Code, navigate to the LegalEase\_eProject\_Complete folder, which contains two subdirectories: laravel\_backend and react\_vite\_frontend.





2. Enter the laravel\_backend directory, find the .env.example file, and duplicate it as a new file named .env.



3. Database Configuration: Update the following environment variables to connect to your MySQL database:

Before configuration

```
DB_CONNECTION=sqlite
# DB_HOST=127.0.0.1
# DB_PORT=3306
# DB_DATABASE=laravel
# DB_USERNAME=root
# DB_PASSWORD=
```

after configuration

```
DB_CONNECTION=mysql
DB_HOST=127.0.0.1
DB_PORT=3306
DB_DATABASE=legalease_db
DB_USERNAME=root
DB_PASSWORD=
```

(Leave blank if using default XAMPP settings).

Save it

4. Email Service Configuration (Optional): To enable automated email features, configure the MAIL\_MAILER section.

- Use an App Password generated from your Gmail account for the MAIL\_PASSWORD field.

Before configuration

```
MAIL_MAILER=log
MAIL_SCHEME=null
MAIL_HOST=127.0.0.1
MAIL_PORT=2525
MAIL_USERNAME=null
MAIL_PASSWORD=null
MAIL_FROM_ADDRESS="hello@example.com"
MAIL_FROM_NAME="${APP_NAME}"
```

After configuration

```
MAIL_MAILER=smtp
MAIL_HOST=smtp.gmail.com
MAIL_PORT=587
MAIL_USERNAME=fpt.t3.2508.e1@gmail.com
MAIL_PASSWORD="██████████"
MAIL_ENCRYPTION=tls
MAIL_FROM_ADDRESS="fpt.t3.2508.e1@gmail.com"
MAIL_FROM_NAME="LegalEase Platform"
```

5. AI Chatbot Configuration: This project uses the Groq service with the llama-3.3-70b-versatile model.

- Add your registered API key to the GROQ\_API\_KEY variable in the .env file.

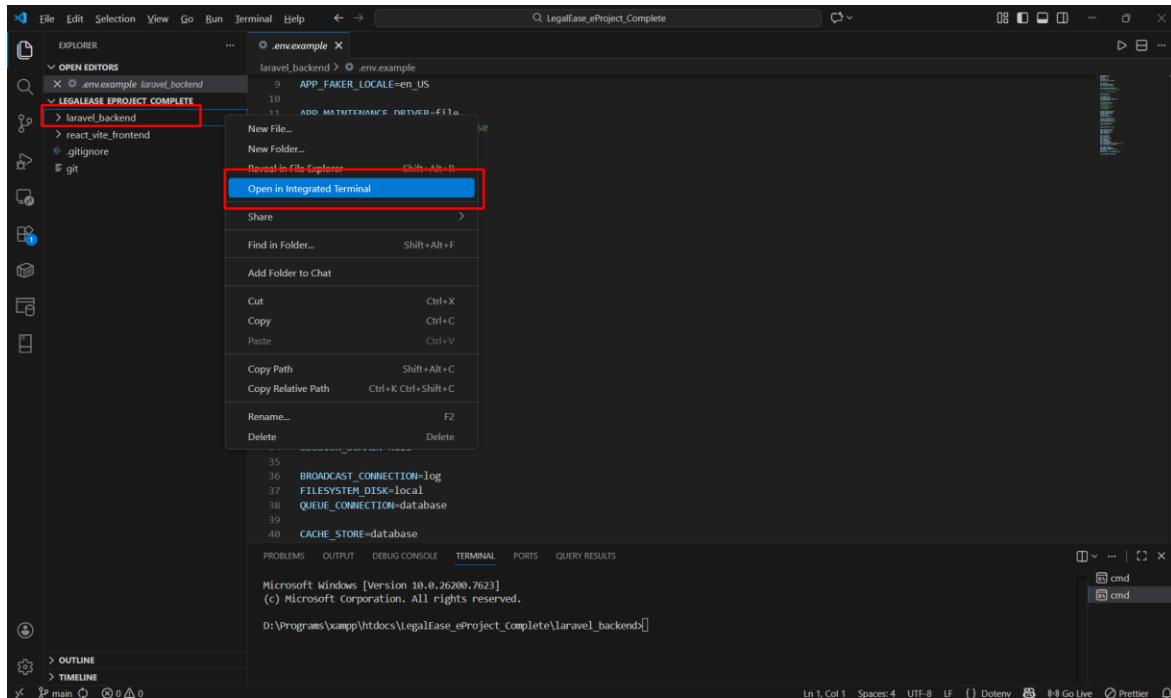
```
AWS_ACCESS_KEY_ID=
AWS_SECRET_ACCESS_KEY=
AWS_DEFAULT_REGION=us-east-1
AWS_BUCKET=
AWS_USE_PATH_STYLE_ENDPOINT=false

VITE_APP_NAME="${APP_NAME}"

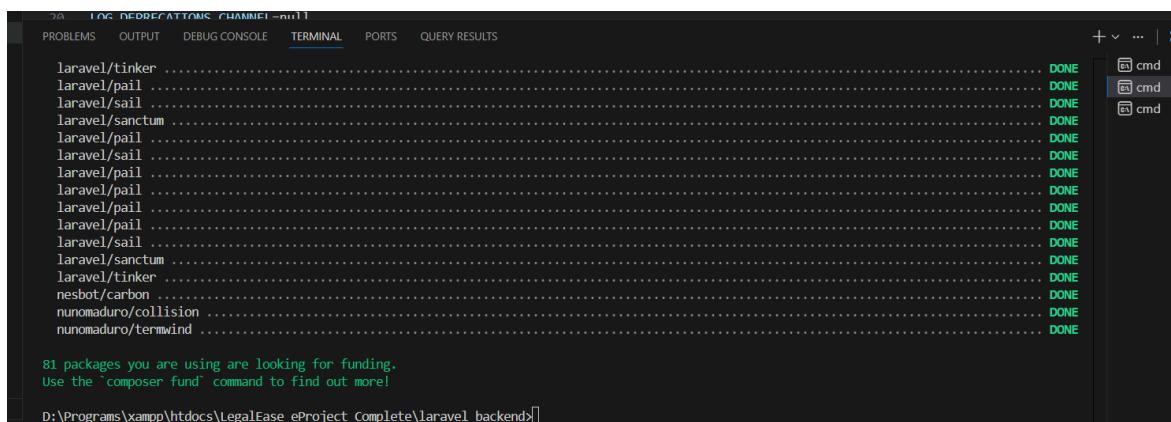
GROQ_API_KEY=██████████
```

## B. Library Installation and Data Initialization

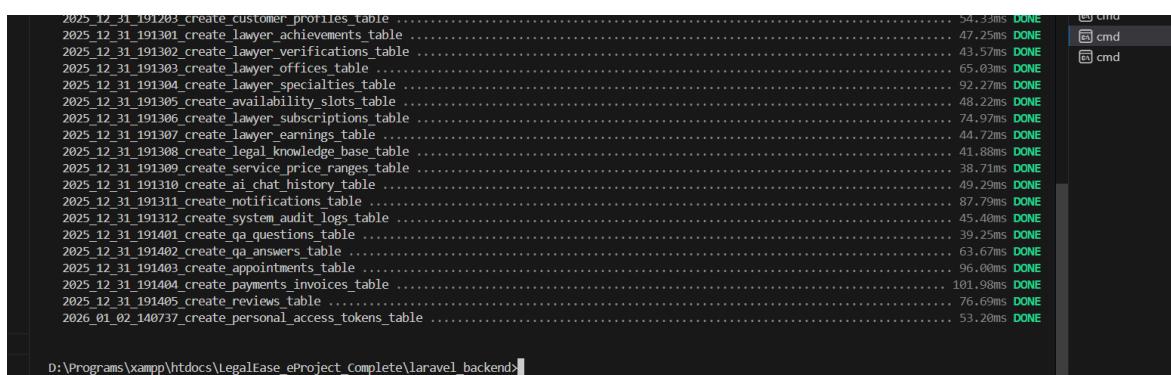
- For Backend (Laravel)
  - Open a terminal in the laravel\_backend directory and run these commands:



## 1. Install dependencies: composer install



## 2. Initialize database tables: php artisan migrate.



## 3. To populate your database with test accounts and system data, you can choose one of the following two methods:

- Option 1: Using Laravel Seeders (Recommended)

This is the standard approach for Laravel applications. Open your terminal in the `laravel_backend` directory and run:

php artisan db:seed

```
D:\Programs\xampp\htdocs\LegalEase_eProject_Complete\laravel_backend>php artisan db:seed
Database\Seeder\LawyerSubscriptionSeeder ..... RUNNING 13 ms DONE
Database\Seeder\LawyerSubscriptionSeeder ..... 29 ms DONE
Database\Seeder\LawyerVerificationSeeder ..... RUNNING 29 ms DONE
Database\Seeder\LawyerVerificationSeeder ..... 43 ms DONE
Database\Seeder\NotificationSeeder ..... RUNNING 14 ms DONE
Database\Seeder\NotificationSeeder ..... 43 ms DONE
Database\Seeder\PaymentInvoiceSeeder ..... RUNNING 14 ms DONE
Database\Seeder\PaymentInvoiceSeeder ..... 43 ms DONE

D:\Programs\xampp\htdocs\LegalEase_eProject_Complete\laravel_backend\[ ]
```

- **Option 2: Using MySQL Script**

If you prefer to initialize the database manually using the provided MySQL script, **please do not run** the `php artisan db:seed` command mentioned above. This prevents duplicate data entries and potential conflicts.

[!IMPORTANT]

Detailed instructions on how to import the .sql script file into **phpMyAdmin** are provided in the **Appendices** at the end of this guide.

#### 4. Link storage: `php artisan storage:link`

```
D:\Programs\xampp\htdocs\LegalEase_eProject_Complete\laravel_backend>php artisan storage:link
INFO: The [D:\Programs\xampp\htdocs\LegalEase_eProject_Complete\laravel_backend\public\storage] link has been connected to [D:\Programs\xampp\htdocs\LegalEase_eProject_Complete\laravel_backend\app\public].
D:\Programs\xampp\htdocs\LegalEase_eProject_Complete\laravel_backend\[ ]
```

#### 5. Configure CORS: Run `php artisan config:publish cors` to generate the config/cors.php file. This is required to allow the React frontend to interact with the Backend APIs.

Executed command: `php artisan config:publish cors`

```

    return [
        // ...
        'paths' => ['api/*', 'sanctum/csrf-cookie'],
        'allowed_methods' => ['*'],
        'allowed_origins' => ['http://localhost:5173'],
        'allowed_origins_patterns' => [],
        'allowed_headers' => ['*'],
        'exposed_headers' => [],
        'max_age' => 0,
        'supports_credentials' => true,
    ];
}

```

## ➤ For Frontend (React)

1. Open a terminal in the react\_vite\_frontend directory..

react\_vite\_frontend

```

D:\Programs\xampp\htdocs\LegalEase_eProject_Complete\react_vite_frontend>

```

2. Install all necessary packages: npm install

```

added 1519 packages, and audited 1520 packages in 2m
149 packages are looking for funding
  run 'npm fund' for details
66 moderate severity vulnerabilities

To address issues that do not require attention, run:
  npm audit fix

To address all issues (including breaking changes), run:
  npm audit fix --force

Run 'npm audit' for details.
D:\Programs\xampp\htdocs\LegalEase_eProject_Complete\react_vite_frontend>

```

## C. Launching the Application

### Start the Servers

- **Backend:** Run php artisan serve in the Laravel terminal. The server will typically run at <http://127.0.0.1:8000>.

```
D:\Programs\xampp\htdocs\LegalEase_eProject_Complete\laravel_backend>php artisan serve
INFO: Server running on [http://127.0.0.1:8000].
Press Ctrl+C to stop the server
```

- **Frontend:** Run npm run dev in the React terminal. You can access the website at <http://localhost:5173/>.

```
VITE v7.3.0 ready in 471 ms
→ Local: http://localhost:5173/
→ Network: use --host to expose
→ press h + enter to show help
```

## Test Accounts

<http://localhost:5173/admin/login>

Role	Username (Email)	Password	URL
Customer	customer1@example.com	legalease123	<a href="http://localhost:5173/">http://localhost:5173/</a>
Lawyer	lawyer1@example.com	legalease123	<a href="http://localhost:5173/">http://localhost:5173/</a>
Admin	admin@legalease.vn	legalease123	<a href="http://localhost:5173/admin/login">http://localhost:5173/admin/login</a>

The screenshot shows the LegalEase website's front-end interface. At the top, there is a navigation bar with links for Home, Find Lawyers, Q&A Knowledge, About Us, Login, and Sign Up. Below the navigation, a large blue header section contains the text "Find the Right Lawyer Today" and "Connecting you with top-rated, verified legal experts in your area." There is a search bar with placeholder text "Search legal issue or lawyer name..." and a "SEARCH" button. To the right of the search bar is a "City, State or Province" input field. A "LegalAuto AI" chatbot is displayed in a floating window, asking "Hello! I'm LegalAuto 🤖. How can I assist you today with legal matters or finding a lawyer?". At the bottom, there is a "Featured Lawyers" section with the subtext "Connect with our highest-rated legal professionals based on verified expertise".

The screenshot shows the 'Featured Lawyers' section of the LegalEase website. It features three lawyer profiles in a grid:

- Dominic Pham** (PRO) - Consumer Protection Law, Road Traffic Law. Rating 5.0. Located in Phu Nhuan District, Ho Chi Minh City.
- Cedric Le** (PRO) - Consumer Protection Law, Road Traffic Law. Rating 5.0. Located in District 7, Ho Chi Minh City.
- Beatrice Tran** (PRO) - Consumer Protection Law, Road Traffic Law. Rating 5.0. Located in District 5, Ho Chi Minh City.

Each profile includes a 'View profile' button and a small blue speech bubble icon in the bottom right corner of the page.

The screenshot shows the LegalEase Sitemap. It is divided into two main sections:

- PUBLIC & GENERAL ACCESS**:
  - Home
  - Lawyer Directory
  - Lawyer Details
  - Customer Registration
  - Lawyer Registration
  - Client Login
- FOR CUSTOMERS (NEED LOGIN)**:
  - Book an Appointment
  - Payment Gateway
  - My Appointments
  - Appointment Details
  - Profile Settings
  - Write a Review

Each item in the sitemap lists its name, a brief description, and its corresponding URL path. A blue speech bubble icon is located in the bottom right corner of the page.

The image displays two screenshots of the LegalEase website, both from the URL <http://localhost:5173/>.

**Screenshot 1: Lawyer Directory**

This screenshot shows the Lawyer Directory page. At the top, there is a search bar with placeholder text "Search legal issue or lawyer name...", a "Search" button, and dropdown menus for "All locations" and "All specialties". Below the search bar, two lawyers are listed as featured experts:

- Dominic Pham** (PRO) - 5.0 (1 reviews), 8 years of experience. Practice Areas: Consumer Protection Law, Road Traffic Law. Location: Phu Nhuan District, Ho Chi Minh City. Bio: Hello, I am Attorney Dominic Pham, specializing in providing comprehensive legal solutions.
- Cedric Le** (PRO) - 5.0 (1 reviews), 7 years of experience. Practice Areas: Consumer Protection Law, Road Traffic Law. Location: District 7, Ho Chi Minh City. Bio: Hello, I am Attorney Cedric Le, specializing in providing comprehensive legal solutions.

**Screenshot 2: Login Page**

This screenshot shows the Sign In page. It features a "Sign In" button at the top, followed by input fields for "Email" (containing "customer1@example.com") and "Password" (containing "legalease123"). Below the password field is a "Forgot password?" link. At the bottom of the form is another "Sign In" button. A link for "Don't have an account? Register now" is located at the bottom right of the form.

**Footer Information**

The footer is divided into four sections:

- Quick Access:** Find Top Lawyers, Legal Q&A & Consultation, Client Login, For Lawyers.
- Supported Locations:** Lawyers in District 1, Ho Chi Minh City; Lawyers in District 2, Ho Chi Minh City; Lawyers in District 3, Ho Chi Minh City; Lawyers in District 4, Ho Chi Minh City; Lawyers in District 5, Ho Chi Minh City.
- Practice Areas:** Civil Law Lawyers, Consumer Protection Law Lawyers, Marriage and Family Law Lawyers, Road Traffic Law Lawyers, Residence Law Lawyers.
- About LegalEase:** About LegalEase, Careers, Contact Support.

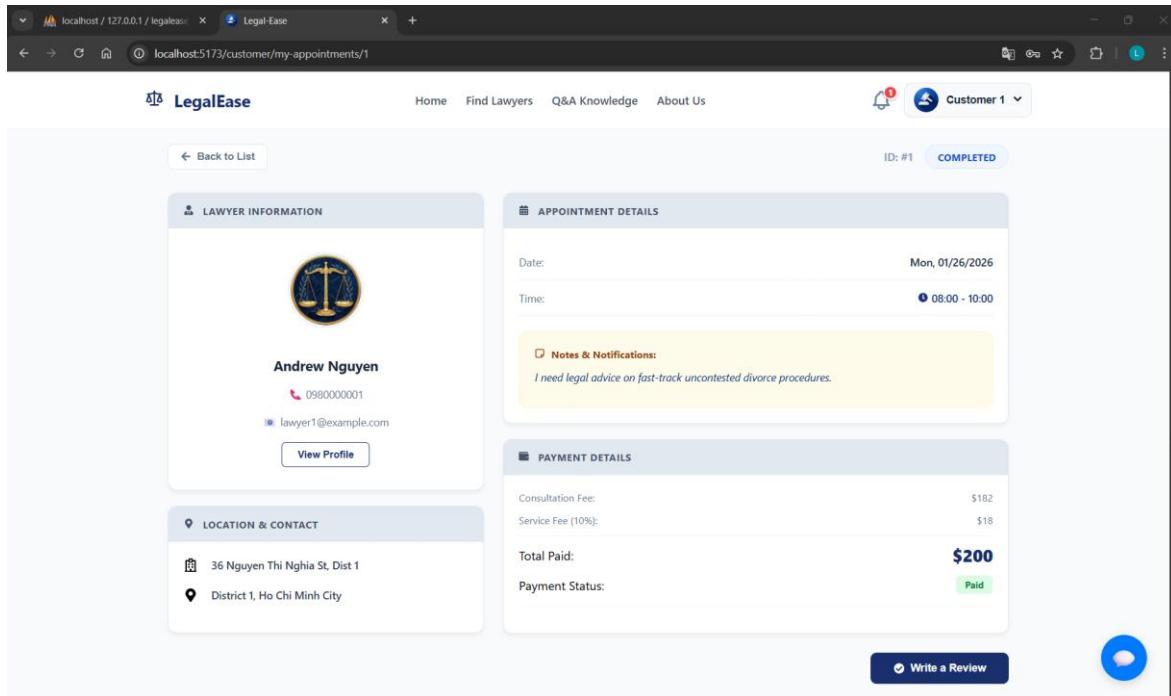
A blue circular icon with a white speech bubble is positioned on the right side of the footer.

The screenshot shows a web browser window for 'localhost:5173/support'. The top navigation bar includes links for Home, Find Lawyers, Q&A Knowledge, About Us, and a 'Customer 1' dropdown. A search bar and a 'Search' button are at the top right. Below the search bar is a 'Ask a Lawyer' button and a 'Legal Library' link. A large central box is titled 'Ask a Lawyer' with fields for 'Title (e.g., Divorce procedure in Hanoi...)' and 'Describe your legal issue in detail...'. A 'Submit Question' button is at the bottom. To the right, there's a Q&A thread from 'Customer 1' about 'Child Custody in Vietnam' dated 1/28/2026, with a 'View 1 Answers' button. At the bottom, there's another section for 'Customer 2' with a date of 1/28/2026.

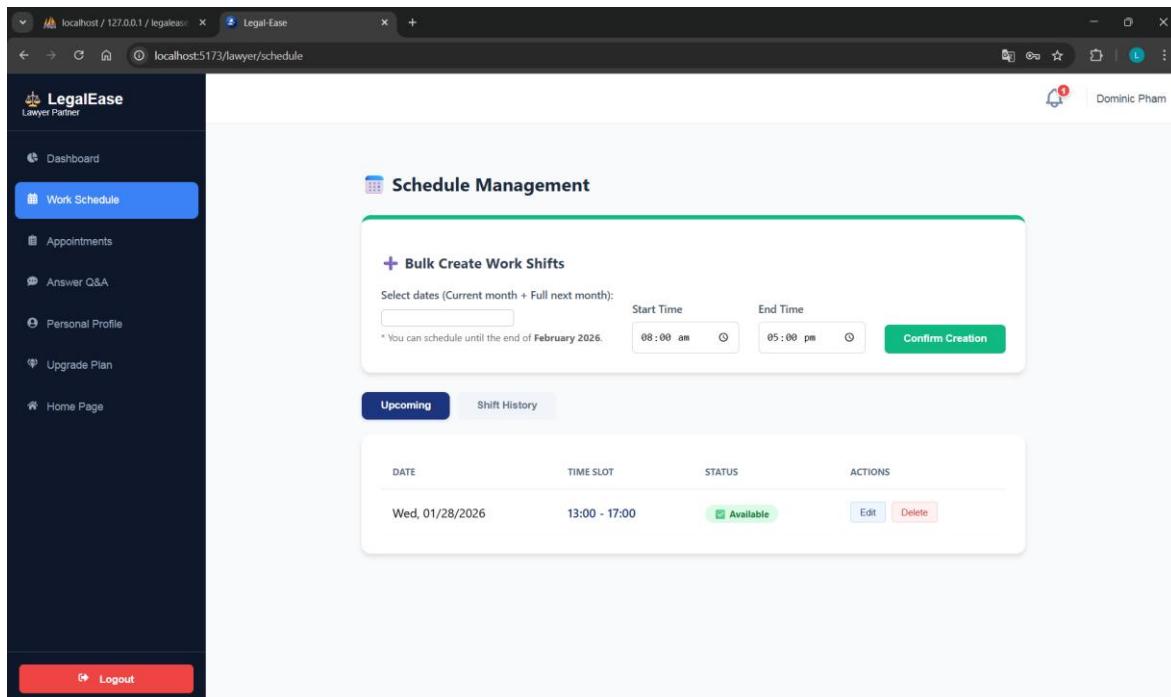
The screenshot shows a web browser window for 'localhost:5173/lawyers/5'. The top navigation bar is identical to the previous screenshot. The main content features a profile for 'Dominic Pham' with a gold scales of justice icon. It shows '8+ Years Experience' and '5 (1 reviews)'. Contact information includes a phone number (0980000004), email (lawyer4@example.com), and a 'BOOK CONSULTATION' button. The page is divided into sections: 'Introduction' (Hello, I am Attorney Dominic Pham, specializing in providing comprehensive legal solutions.), 'Practice Information' (Area: Phu Nhuan District, Ho Chi Minh City; Practicing since: 2018; License number: LAW-2025), 'Practice Areas' (Consumer Protection Law - Road Traffic Law), 'Awards & Certifications' (Outstanding Lawyer of the Year 2025), and 'Service Fees' (\$ Consultation fee: \$400 - \$600; Payment methods: Visa, ApplePay). A blue speech bubble icon is visible on the right side.

The screenshot shows the 'Booking' page of the LegalEase application. It consists of two main sections: '1. Select consultation time with Dominic Pham' and '2. Request Details'.  
**Section 1: Select consultation time with Dominic Pham**  
A calendar for January 2026 is displayed, showing the days from 1 to 31. The date 28 is highlighted. Below the calendar, a work shift is listed as 13:00 - 17:00. Four time slots are shown: 13:00, 14:00 (selected), 15:00, and 16:00.  
**Section 2: Request Details**  
The selected schedule is 14:00 | Wed, 01/28/2026. A dropdown menu shows 'Express Package (60 mins)'. A text area for 'Describe your issue (Note to lawyer)' is present, with placeholder text: 'Please briefly summarize your legal issue...'. An estimated total of \$440 is shown, with a note: '\* The fee includes taxes and system service charges.' A 'Proceed to Payment →' button is at the bottom.

The screenshot shows the 'My Appointment History' section of the LegalEase customer portal. It displays two completed appointments:  
**Appointment 1:** 08:00 on Mon, 01/26/2026, completed by Andrew Nguyen for Legal Analysis, costing \$200. A 'View Details →' button is available.  
**Appointment 2:** 10:00 on Sat, 01/31/2026, confirmed by Andrew Nguyen for Legal Express, costing \$200. A 'View Details →' button is available.



This screenshot shows the customer's appointment details page on the LegalEase platform. At the top, there are navigation links for Home, Find Lawyers, Q&A Knowledge, and About Us. A notification icon indicates one unread message. The appointment ID is #1, and the status is COMPLETED. The appointment date is Mon, 01/26/2026, from 08:00 - 10:00. The lawyer information section shows Andrew Nguyen's profile, including his name, phone number (0980000001), email (lawyer1@example.com), and a 'View Profile' button. The location & contact section lists the address (36 Nguyen Thi Nghia St, Dist 1) and city (District 1, Ho Chi Minh City). The appointment details section includes notes about fast-track uncontested divorce procedures and payment details showing a total paid of \$200.



This screenshot shows the lawyer's schedule management page. The left sidebar has a dark theme with navigation options: Dashboard, Work Schedule (selected), Appointments, Answer Q&A, Personal Profile, Upgrade Plan, and Home Page. A red 'Logout' button is at the bottom. The main area is titled 'Schedule Management' and features a 'Bulk Create Work Shifts' section with fields for selecting dates (Current month + Full next month), start time (08:00 am), end time (05:00 pm), and a 'Confirm Creation' button. Below this is a table titled 'Upcoming' showing a single shift entry: Wed, 01/28/2026, 13:00 - 17:00, Status Available, with Edit and Delete buttons. The top right corner shows the lawyer's name, Dominic Pham.

The image displays two screenshots of the LegalEase application interface.

**Top Screenshot (Lawyer Partner Dashboard):**

- Header:** Shows the LegalEase logo and "Lawyer Partner".
- Left Sidebar:** Includes links for Dashboard, Work Schedule, Appointments, Answer Q&A, Personal Profile, Upgrade Plan, and Home Page. A red "Logout" button is at the bottom.
- Content Area:**
  - Appointment #4:** Refund pending status.
  - Customer Information:** Shows a placeholder icon for Customer 4, phone number 0910000004, and email customer4@example.com. A note from the customer states: "I would like to learn about the procedures for establishing a single-member limited liability company."
  - Payment Details:** Payment status is "Refund Pending" via ATM. Total paid by client is \$200, consisting of a Consultation Fee of \$182 and a System Service Fee of \$18.
  - Service & Schedule:** Service package is "Legal Express", date is Wednesday, 01/28/2026, time slot is 13:00 - 14:00, and location is 188A Le Van Sy St, Phu Nhuan Dist, Phu Nhuan District.

**Bottom Screenshot (Admin Login Page):**

- Header:** Shows the LegalEase logo.
- Form:** "System Administration" form with fields for Email Address (admin@legalease.vn) and Password (legalease123), and a "Secure Login" button.

The screenshot shows the LegalEase Admin interface for Revenue Management. The left sidebar includes links for Dashboard, Revenue Management (selected), User Management, Booking Management, Profile Verification, Content Management, Q&A & AI, and System Logs. A Logout button is at the bottom of the sidebar.

The main content area displays three key financial metrics:

- Subscription Revenue:** \$1,200 (100% Net Profit from Lawyers)
- Gross Booking Value (GMV):** \$800 (分解为 Service Fee (10% Client) \$0, Commission (20% Lawyer) \$0, Lawyer Payout (80%) \$582)
- Platform Net Revenue:** \$1,418 (分解为 Service Fees (10%): \$73, Commissions (20%): \$145, Subscriptions: \$1,200. Total Profit from all streams \$1,418)

A Transaction Audit Log table shows two entries:

INVOICE	USER	TYPE	TOTAL PAID	ADMIN TAKE (NET)	DATE
#BOOK-ZALO-005	customer1@example.com	Booking	\$200	\$55	Wed, 01/28/2026
#BOOK-MOMO-003	customer3@example.com	Booking	\$200	\$55	Wed, 01/28/2026

## Importing the Script File

- Click on the **Import** tab on the navigation menu at the top of the page.
- In the **File to import** section, click the **Choose File** button and locate the `legalease_sample_data.sql` file.
- Leave the default settings as they are (SQL format, UTF-8 encoding).
- Scroll to the bottom of the page and click the **Import** button to start the data loading process.

The screenshot shows the PHPMyAdmin interface with the following details:

- Left sidebar:** Shows a tree view of databases and tables. The 'legalease\_db' database is selected and highlighted with a red box.
- Top navigation bar:** Contains tabs for STRUCTURE, SQL, SEARCH, QUERY, EXPORT, IMPORT (which is highlighted with a red box), OPERATIONS, ROUTINES, EVENTS, TRIGGERS, TRACKING, and MORE.
- Main content area:**
  - Import section:** A large red box highlights the title "Importing into the database 'legalease\_db'" and the "File to import" section. In the "File to import" section, there is a "Choose File" input field containing the path "Choose File legalease\_sample\_data.sql".
  - Character set:** Set to "utf-8".
  - Partial import:** Includes options for "Allow the interruption of an import in case the script detects it is close to the PHP timeout limit" and "Skip this number of queries (for SQL) starting from the first one" (set to 0).
  - Other options:** Includes checkboxes for "Enable foreign key checks" and "Format" (set to "SQL").

The screenshot shows the PHPMyAdmin interface with the following details:

- Left sidebar:** Shows a tree view of databases and tables. The 'legalease\_db' database is selected and highlighted with a red box.
- Right panel:** Shows import configuration options:
  - "Format" dropdown set to "SQL".
  - "Format-specific options" section:
    - "SQL compatibility mode" dropdown set to "NONE".
    - "Do not use AUTO\_INCREMENT for zero values" checkbox.
  - A large red box highlights the "Import" button at the bottom of the panel.
- Bottom status bar:** Shows "Console" and "Press Ctrl+Enter to execute query".

**Note:** The `legalease_sample_data.sql` file is included as an attachment alongside this documentation.