FPT- ADCADEMY INTERNATIONAL

FPT – APTECH COMPUTER EDUCATION

INSTALLATION GUIDE FOR LEGALEASE PROJECT

Online Legal Services Platform

Supervisor.	Lê Mộng Thúy	
Batch.	T3.2508.E1	
Group.	3	
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1	NGUYỄN ĐỨC LONG	Student1685473
2	HOÀNG NGỌC LÊ	Student1865556
3	CHÂU NHẬT MINH	Student1689260
4	NGUYỄN HOÀNG SƠN	Student1685526

TP.HCM 28-12-2025

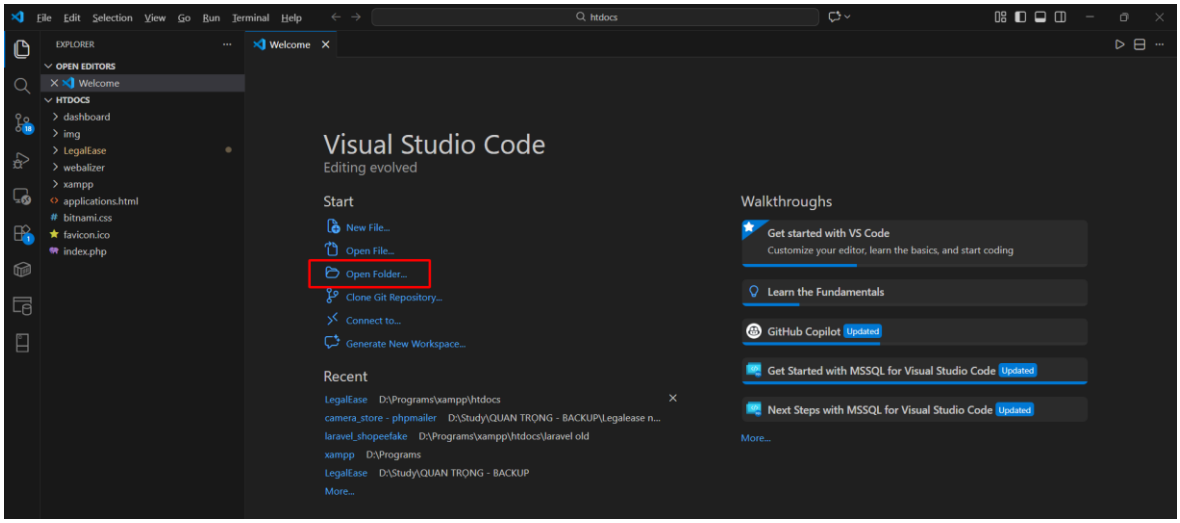
System Requirements

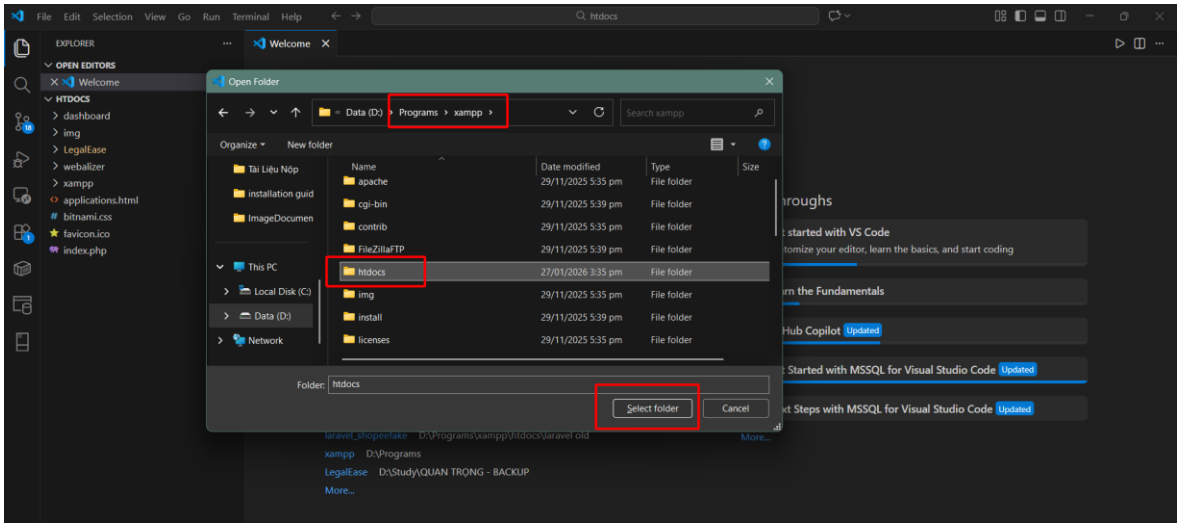
<table>
<tr><th colspan="2">HARDWARE REQUIREMENTS</th></tr>
<tr><td colspan="2">ADMIN/ USERS</td></tr>
<tr><td>Minimum</td><td>Recommended</td></tr>
<tr><td>• Intel core I7.
• 8GB RAM.</td><td>• Intel core I5.
• 8GB RAM or higher.</td></tr>
<tr><th colspan="2">SOFTWARE REQUIREMENTS</th></tr>
<tr><td colspan="2">Microsoft® Windows 10/11.
XAMPP.
PHP MySQL.
Vscode.</td></tr>
</table>

A. Detailed Installation Steps

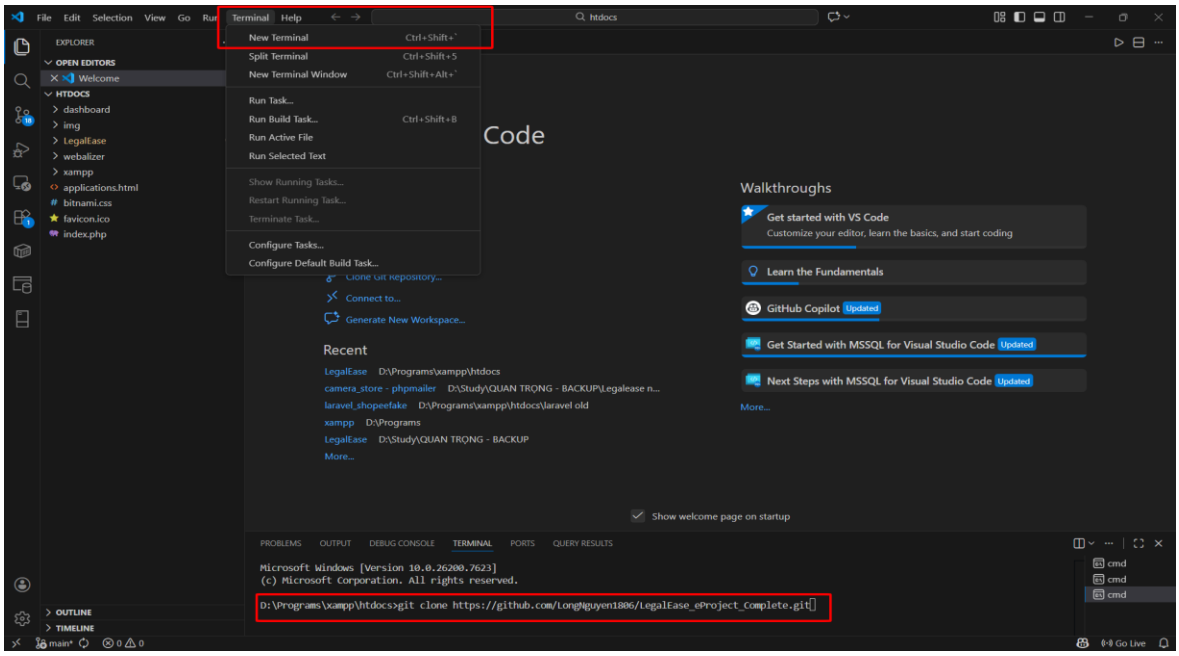
Step 1: Prepare Source Code

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

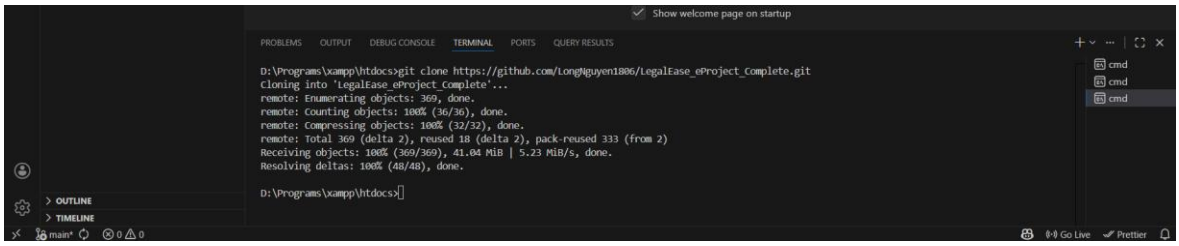


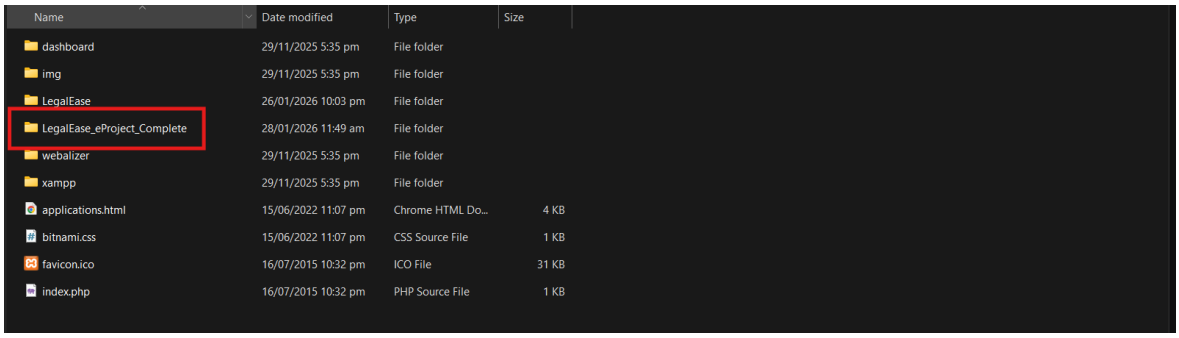


2. In the VS Code toolbar, go to Terminal -> New Terminal.
3. Execute the following command to clone the project repository from GitHub: https://github.com/LongNguyen1806/LegalEase_eProject_Complete.git



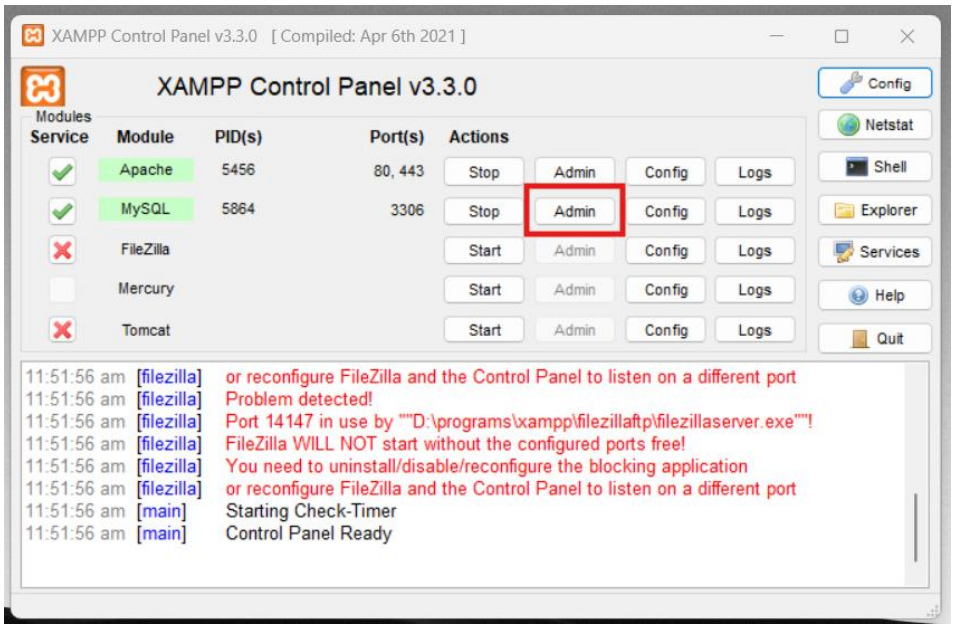
4. Once the cloning process is finished, a folder named LegalEase_eProject_Complete will be available in the htdocs directory.





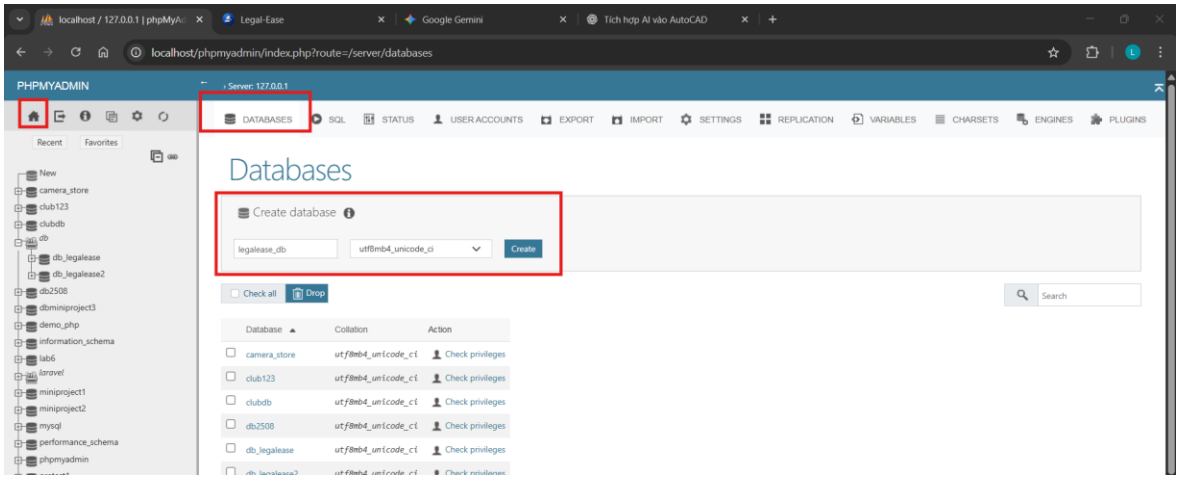
Step 2: Database Setup

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



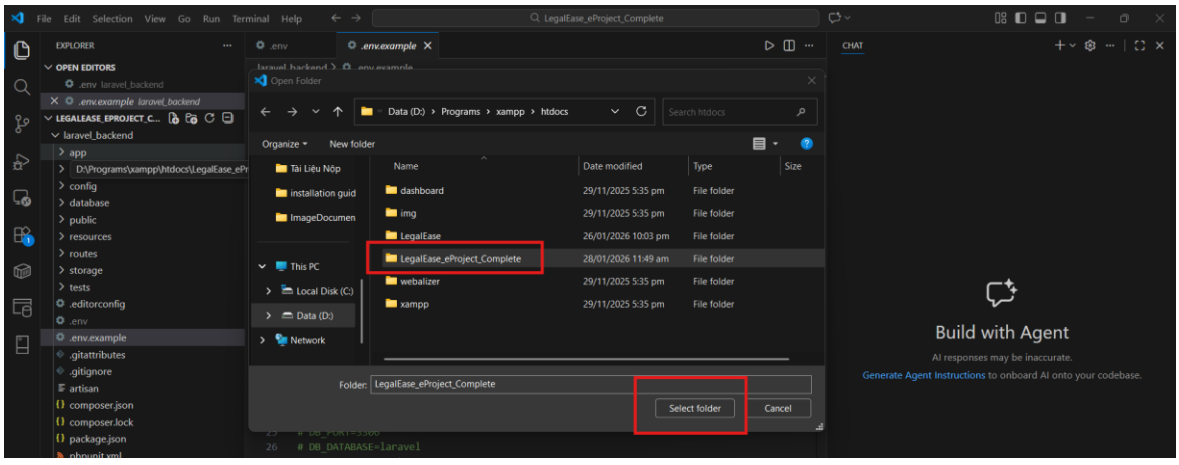
2. Create a new, empty database named: legalease_db.

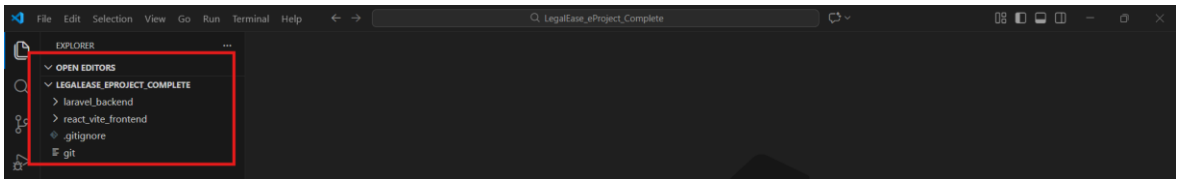
   Note: This name must match the configuration in your Laravel .env file later.



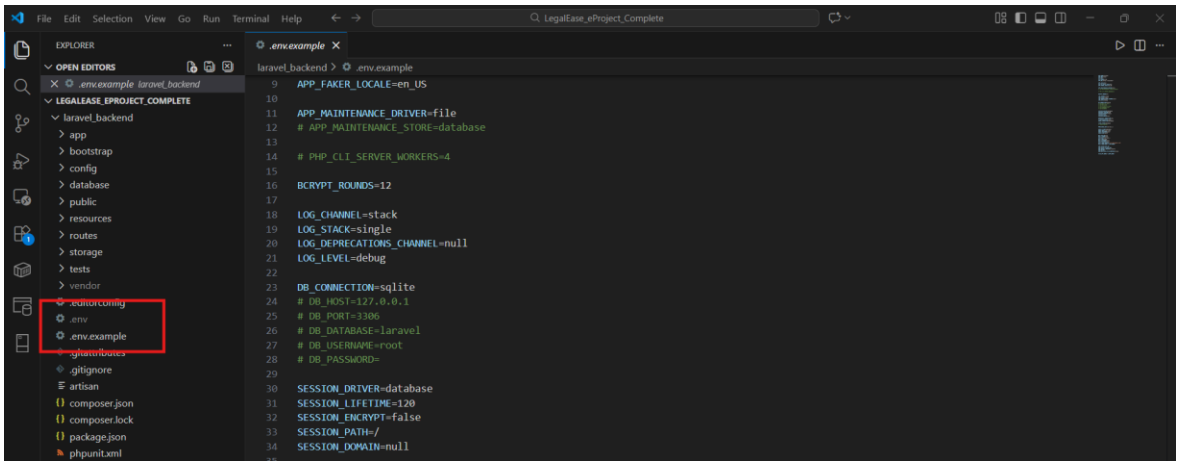
Step 3: Backend Configuration (Laravel)

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="[redacted]"
MAIL_ENCRYPTION=tls
MAIL_FROM_ADDRESS="fpt.t3.2508.e1@gmail.com"
MAIL_FROM_NAME="LegalEase Platform"
```

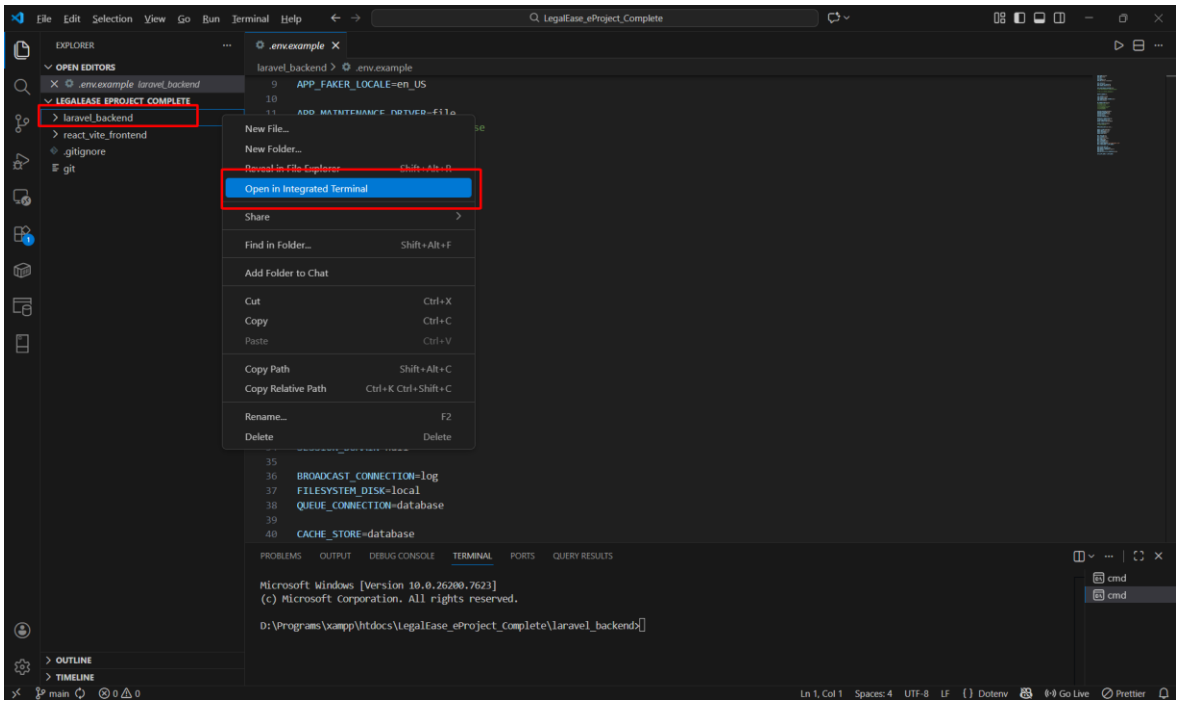
5. AI Chatbot Configuration: This project uses the Groq service with the llama-3.3-70b-versatile model.
   - Add your registered API key to the GROQ_API_KEY variable in the .env file.

```
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=[redacted]
```

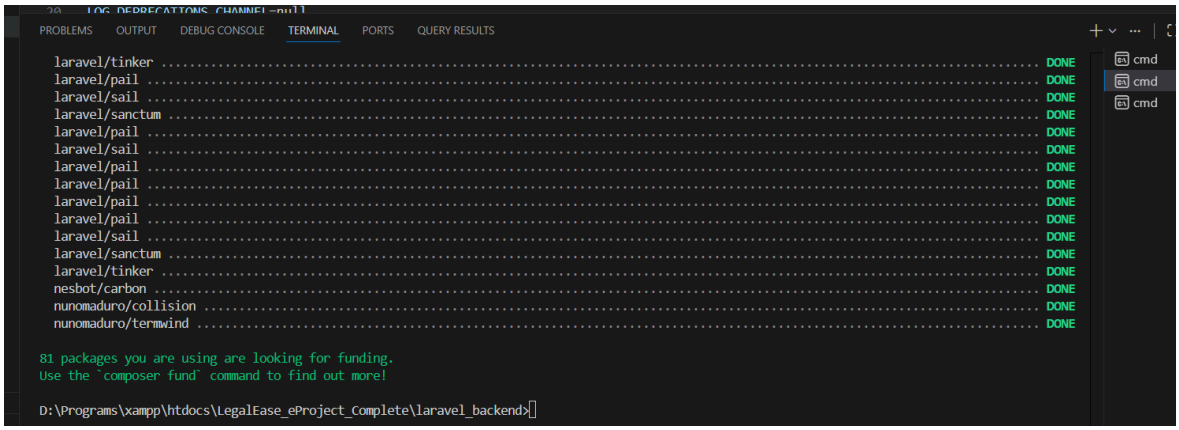
B. Library Installation and Data Initialization

➢ For Backend (Laravel)

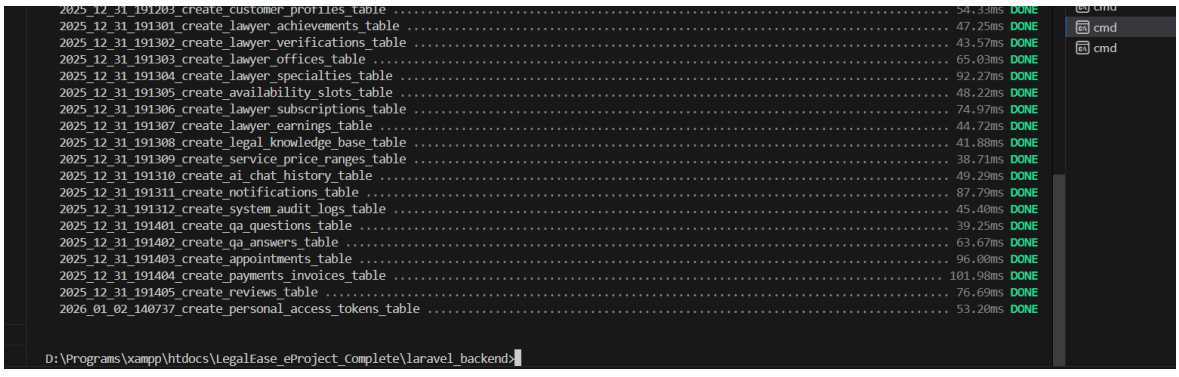
- Open a terminal in the laravel_backend directory and run these commands:



1. Install dependencies: composer install



2. Initialize database tables: php artisan migrate.

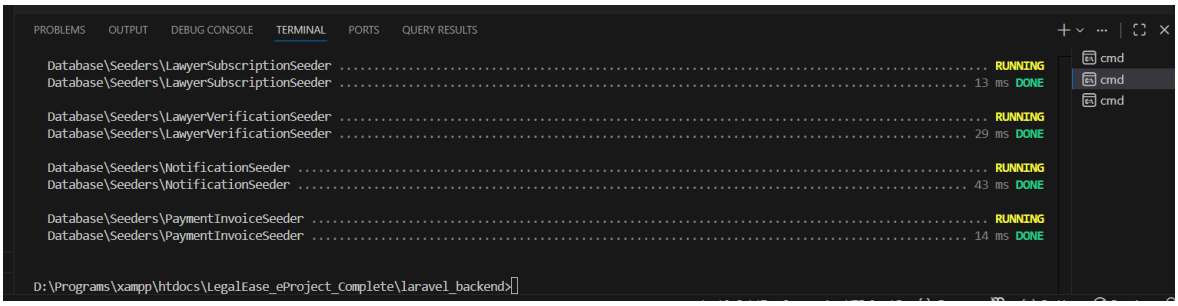


3. To populate your database with test accounts and system data, you can choose one of the following two methods:

- 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



- **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.

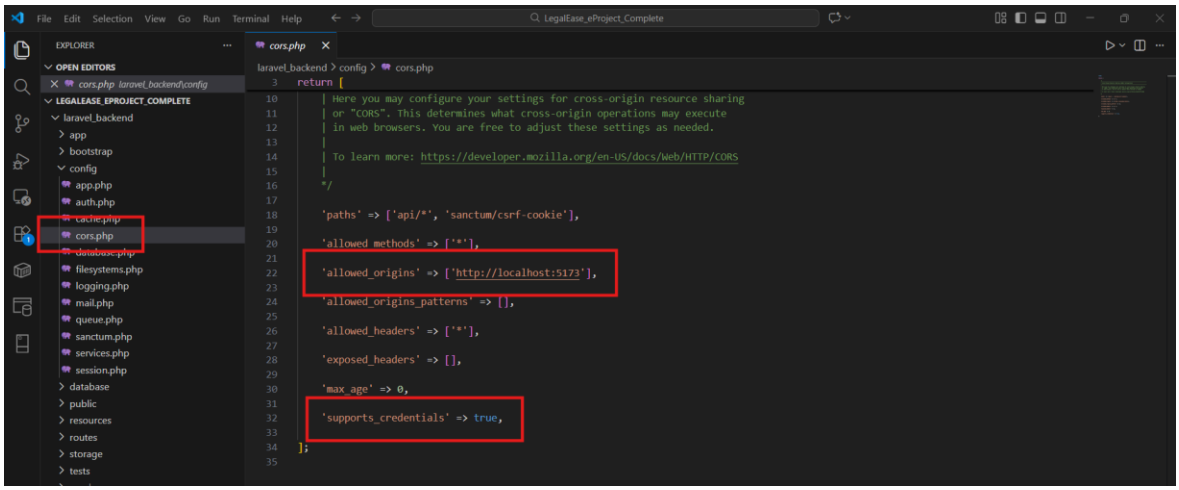
[!IMPORTANT]

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

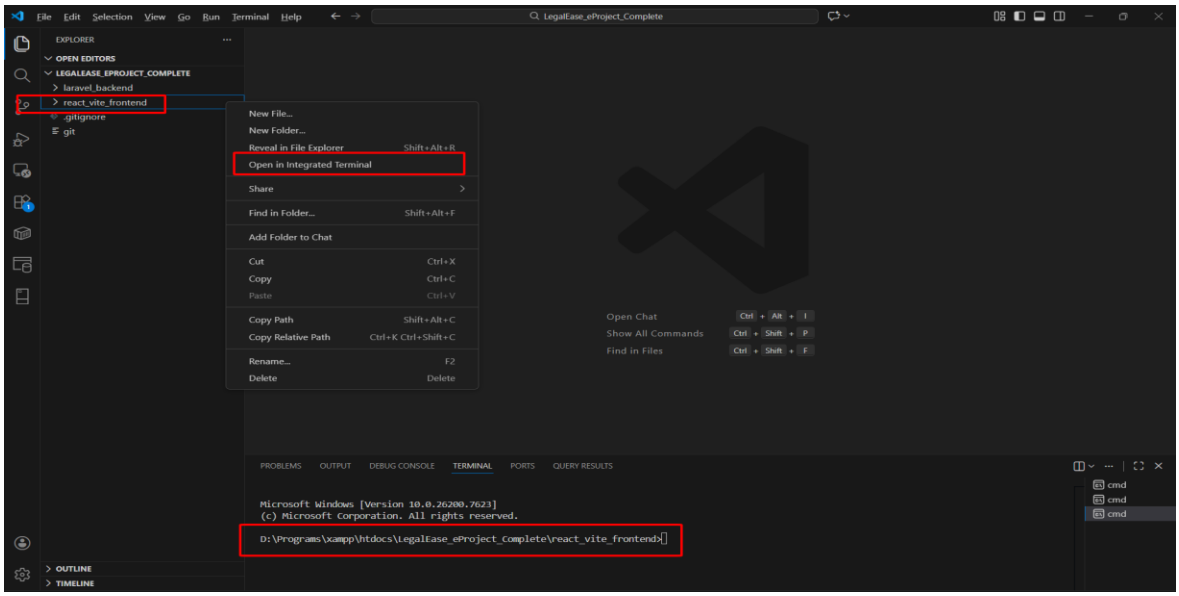
5. Configure CORS: Run php artisan config:publish cors to generate the config/cors.php file. This is required to allow the React frontend to interact with the Backend APIs.

Executed command: php artisan config:publish cors



➢ **For Frontend (React)**

1. Open a terminal in the react_vite_frontend directory..

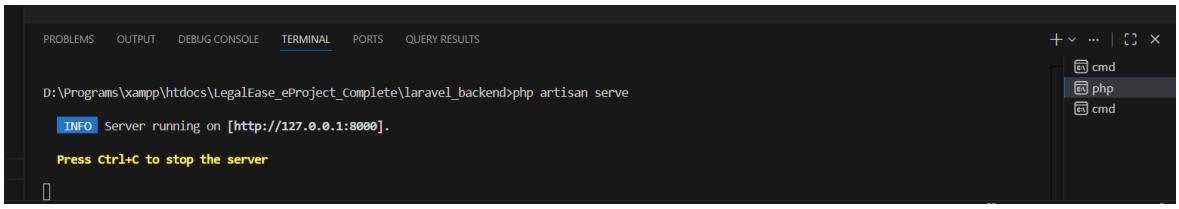


2. Install all necessary packages: npm install

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.

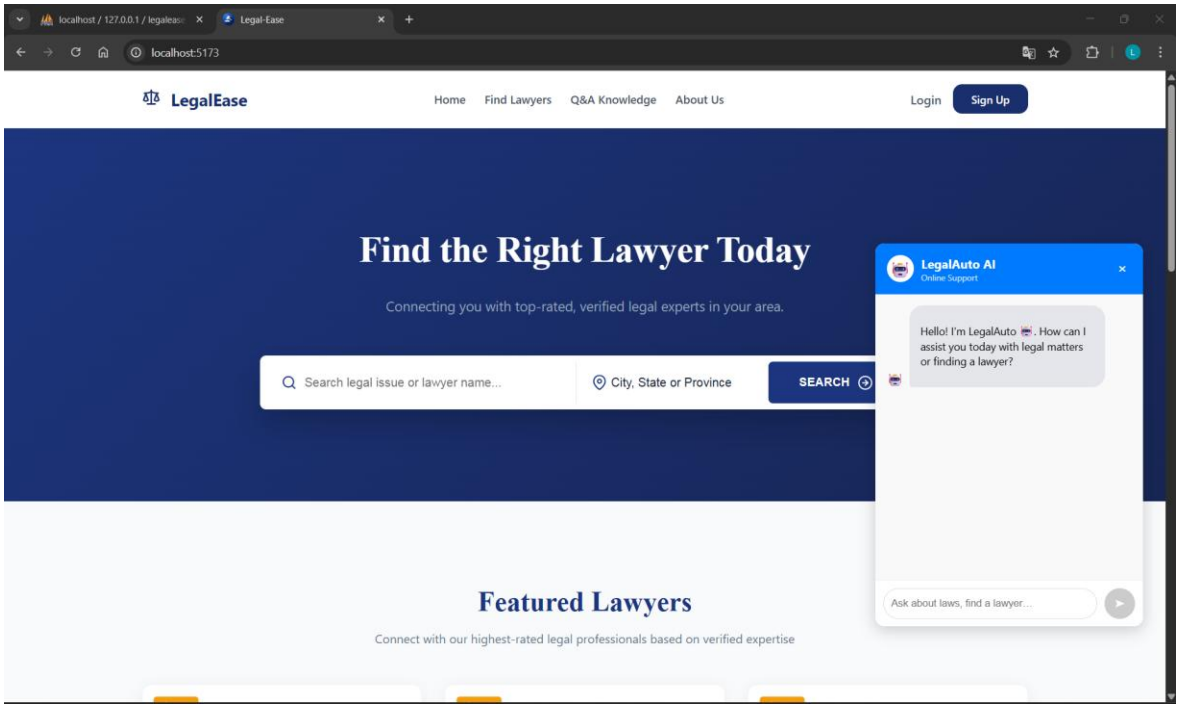


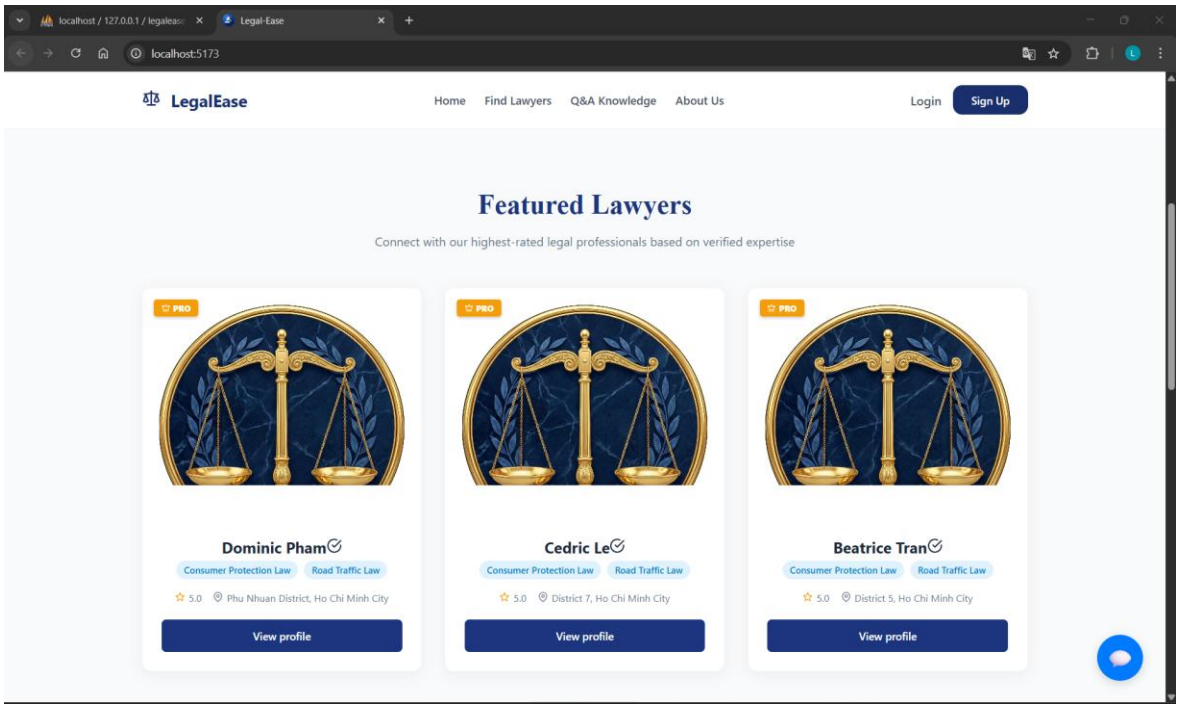
- **Frontend**: Run npm run dev in the React terminal. You can access the website at http://localhost:5173/).

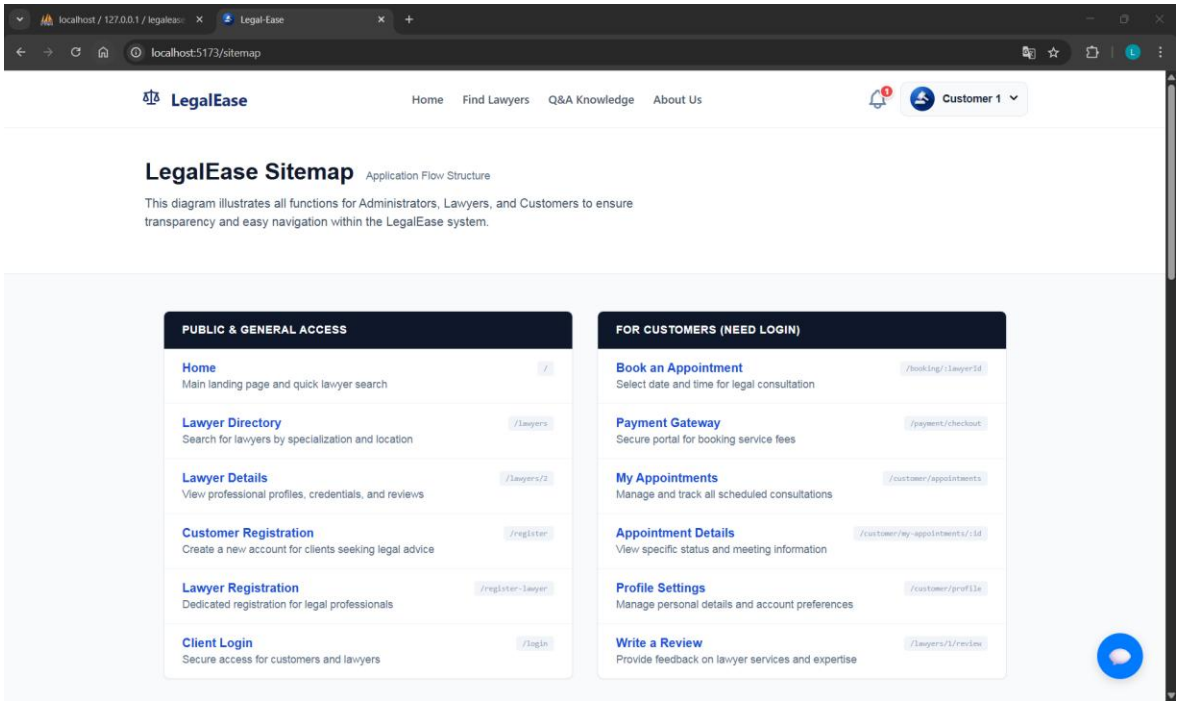
Test Accounts

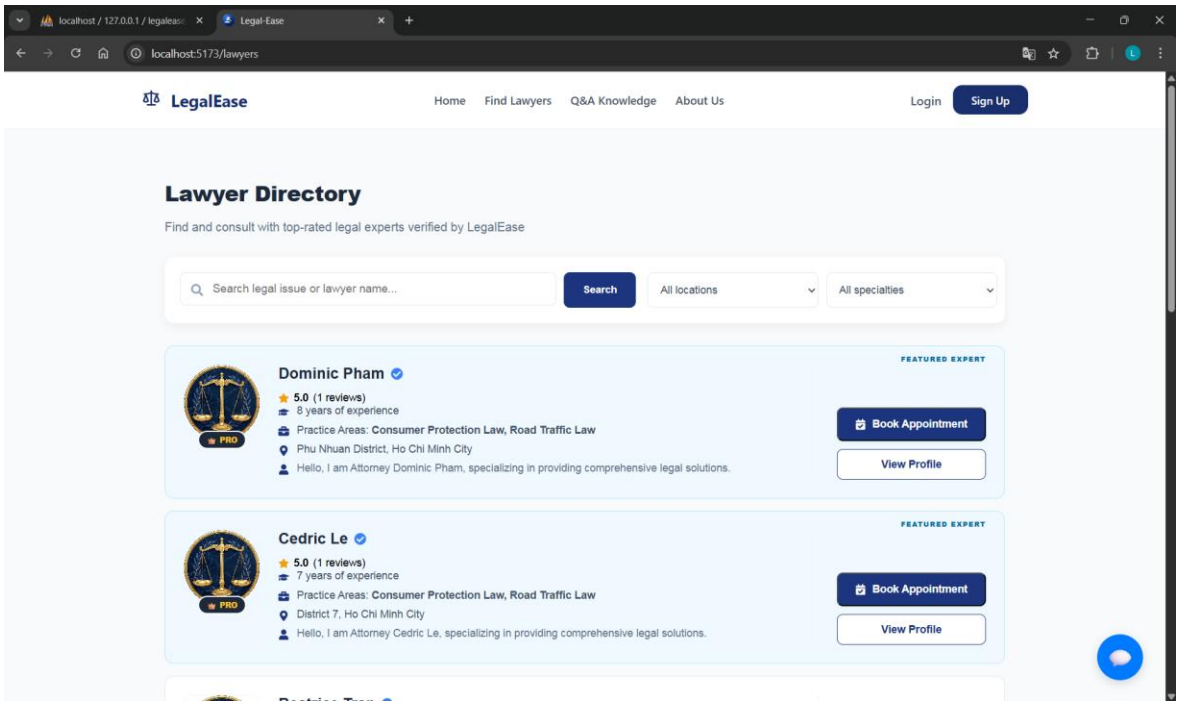
http://localhost:5173/admin/login

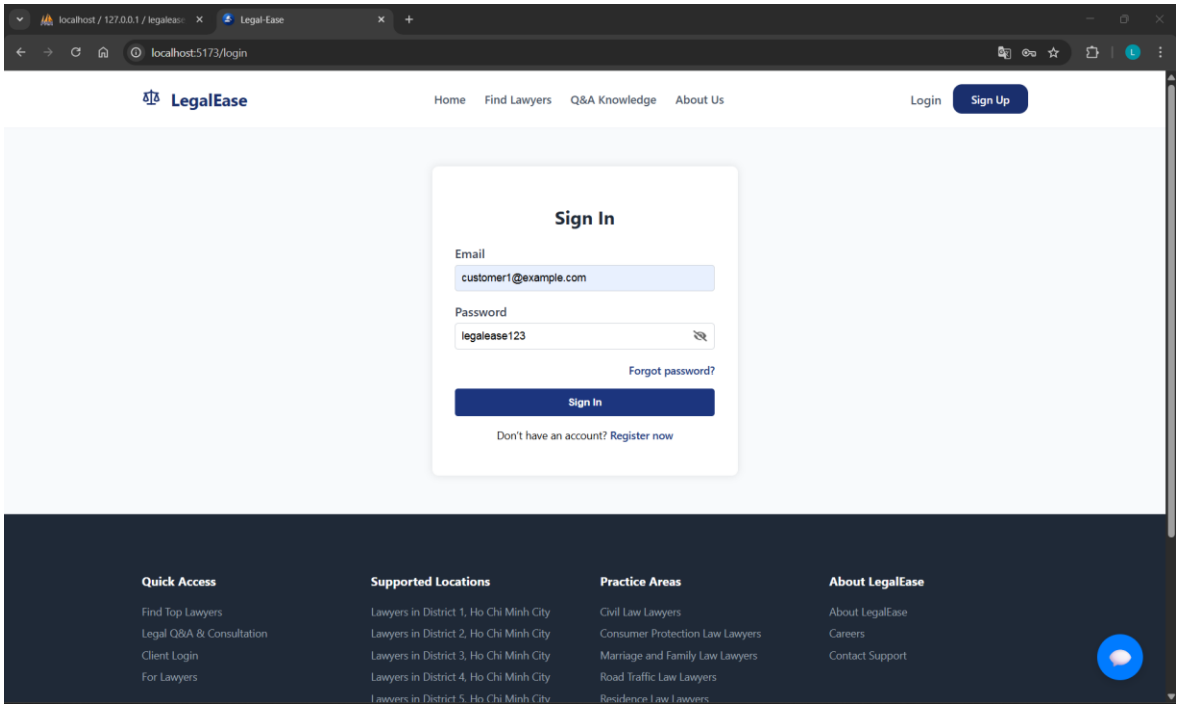
Role	Username (Email)	Password	URL
Customer	customer1@example.com	legalease123	http://localhost:5173/
Lawyer	lawyer1@example.com	legalease123	http://localhost:5173/
Admin	admin@legalease.vn	legalease123	http://localhost:5173/admin/login

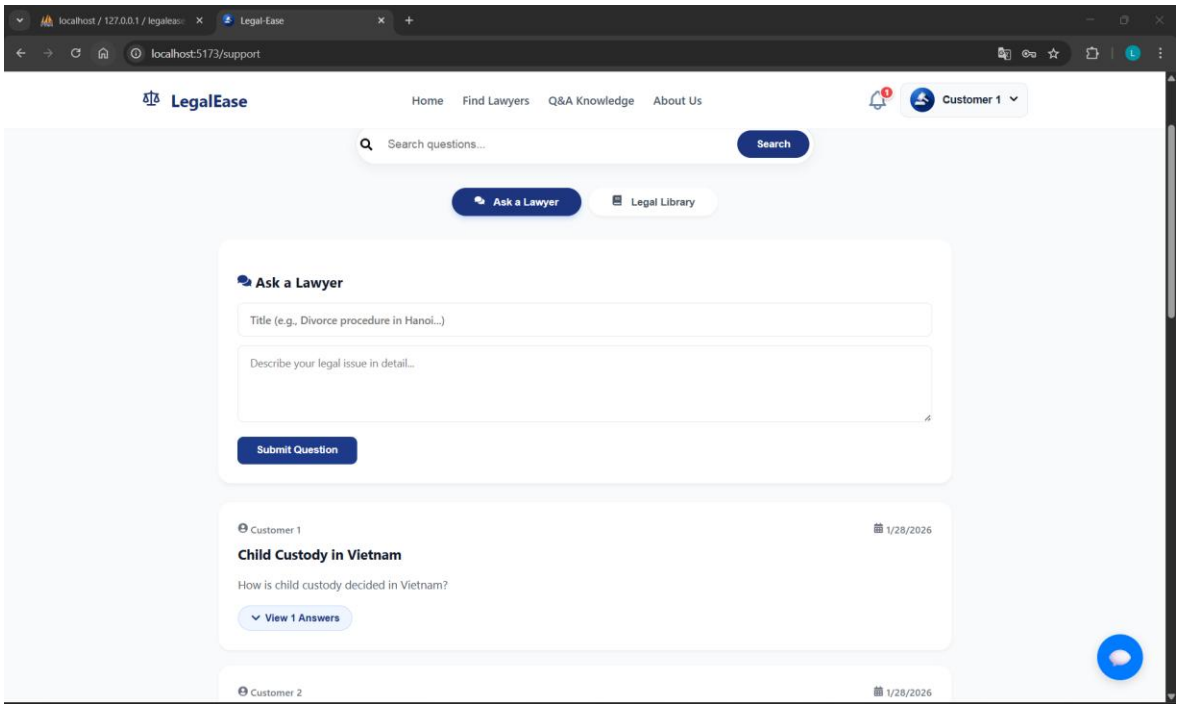


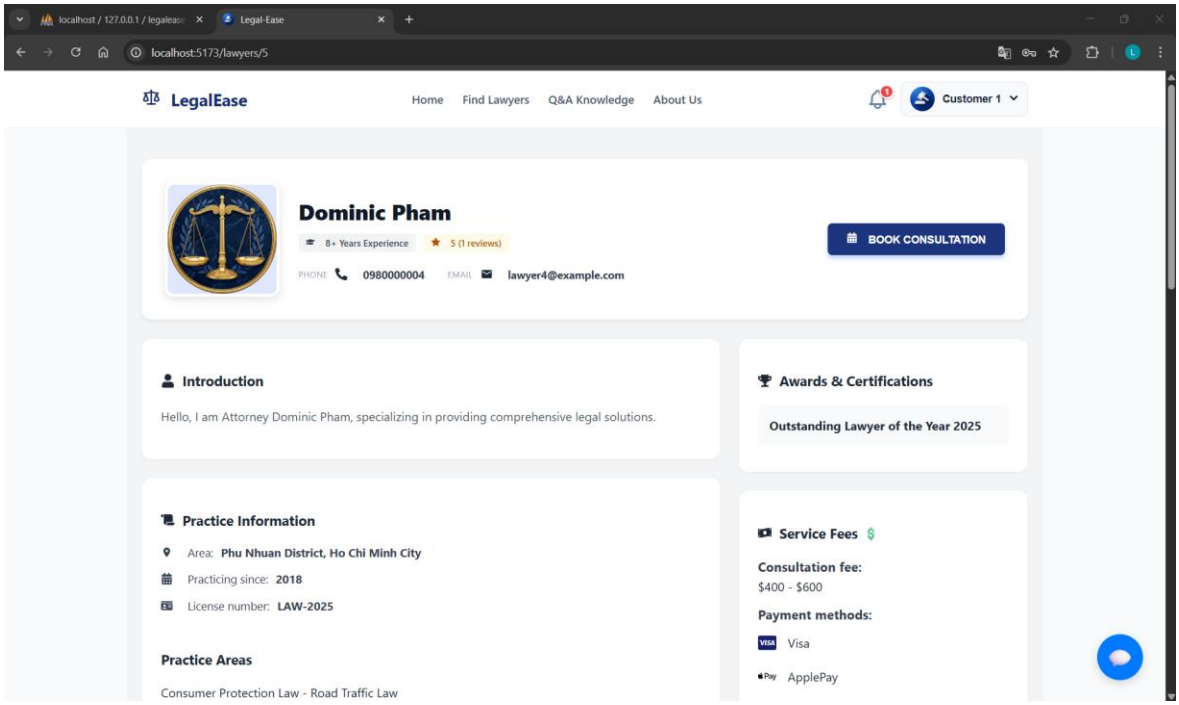

localhost / 127.0.0.1 / legaleas
Legal-Ease
localhost:5173
LegalEase
Home
Find Lawyers
Q&A Knowledge
About Us
Login
Sign Up
Featured Lawyers
Connect with our highest-rated legal professionals based on verified expertise
PRO
Dominic Pham
Consumer Protection Law
Road Traffic Law
5.0
Phu Nhuan District, Ho Chi Minh City
View profile
Cedric Le
Consumer Protection Law
Road Traffic Law
5.0
District 7, Ho Chi Minh City
View profile
Beatrice Tran
Consumer Protection Law
Road Traffic Law
5.0
District 5, Ho Chi Minh City
View profile

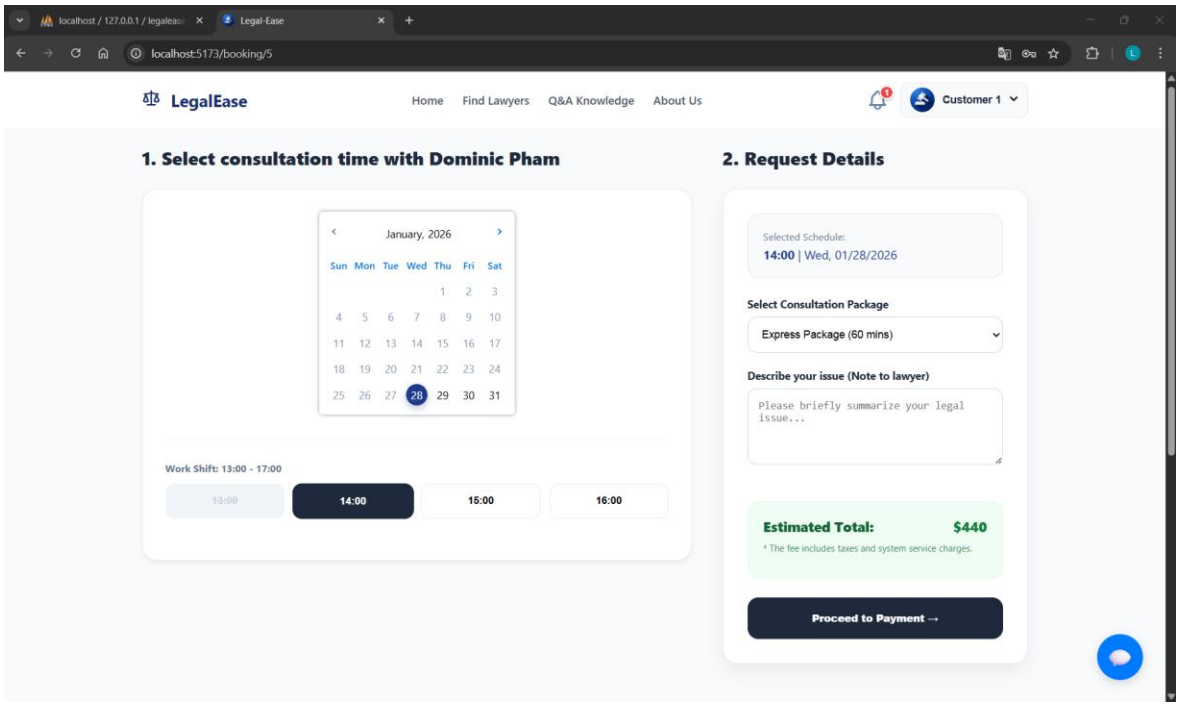

localhost / 127.0.0.1 / legaleas
Legal-Ease
localhost:5173/sitemap
LegalEase
Home
Find Lawyers
Q&A Knowledge
About Us
Customer 1
LegalEase Sitemap
Application Flow Structure
This diagram illustrates all functions for Administrators, Lawyers, and Customers to ensure transparency and easy navigation within the LegalEase system.
PUBLIC & GENERAL ACCESS
Home
Main landing page and quick lawyer search
/
Lawyer Directory
Search for lawyers by specialization and location
/lawyers
Lawyer Details
View professional profiles, credentials, and reviews
/lawyers/2
Customer Registration
Create a new account for clients seeking legal advice
/register
Lawyer Registration
Dedicated registration for legal professionals
/register-lawyer
Client Login
Secure access for customers and lawyers
/login
FOR CUSTOMERS (NEED LOGIN)
Book an Appointment
Select date and time for legal consultation
/booking/:lawyerId
Payment Gateway
Secure portal for booking service fees
/payment/checkout
My Appointments
Manage and track all scheduled consultations
/customer/appointments
Appointment Details
View specific status and meeting information
/customer/my-appointments/:id
Profile Settings
Manage personal details and account preferences
/customer/profile
Write a Review
Provide feedback on lawyer services and expertise
/lawyers/1/review

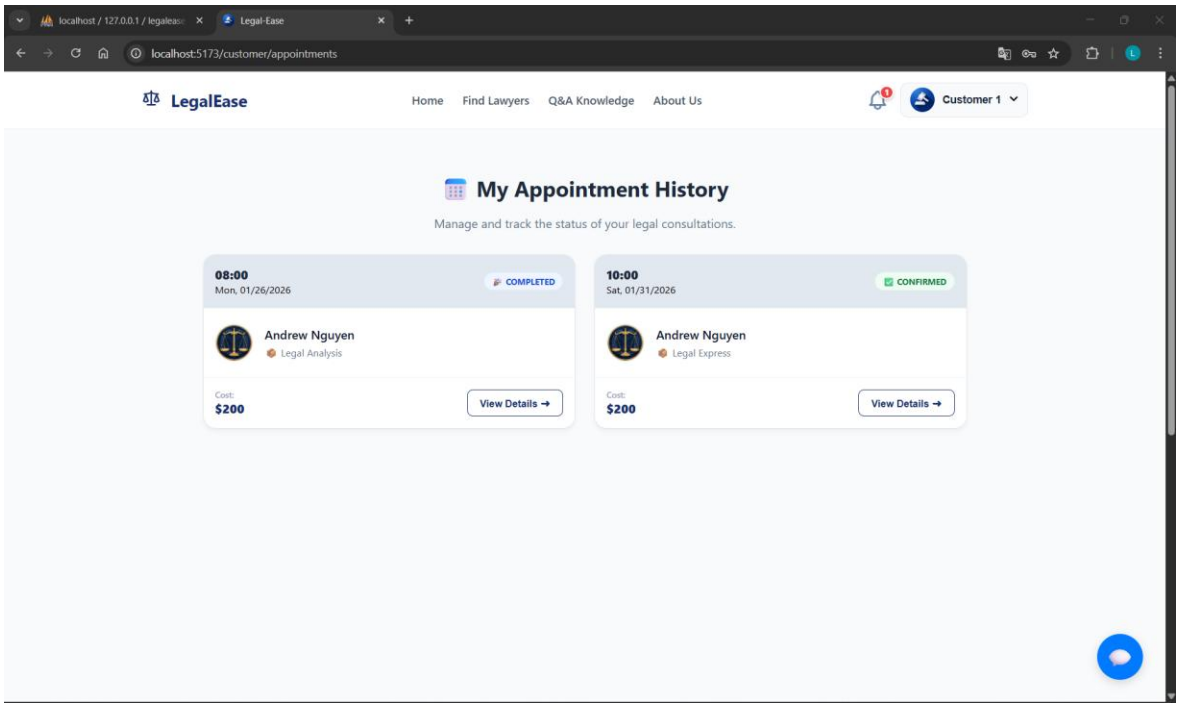

localhost:5173/lawyers
LegalEase
Home
Find Lawyers
Q&A Knowledge
About Us
Login
Sign Up
Lawyer Directory
Find and consult with top-rated legal experts verified by LegalEase
Search legal issue or lawyer name...
Search
All locations
All specialties
FEATURED EXPERT
Dominic Pham
5.0 (1 reviews)
8 years of experience
Practice Areas: Consumer Protection Law, Road Traffic Law
Phu Nhuan District, Ho Chi Minh City
Hello, I am Attorney Dominic Pham, specializing in providing comprehensive legal solutions.
Book Appointment
View Profile
FEATURED EXPERT
Cedric Le
5.0 (1 reviews)
7 years of experience
Practice Areas: Consumer Protection Law, Road Traffic Law
District 7, Ho Chi Minh City
Hello, I am Attorney Cedric Le, specializing in providing comprehensive legal solutions.
Book Appointment
View Profile

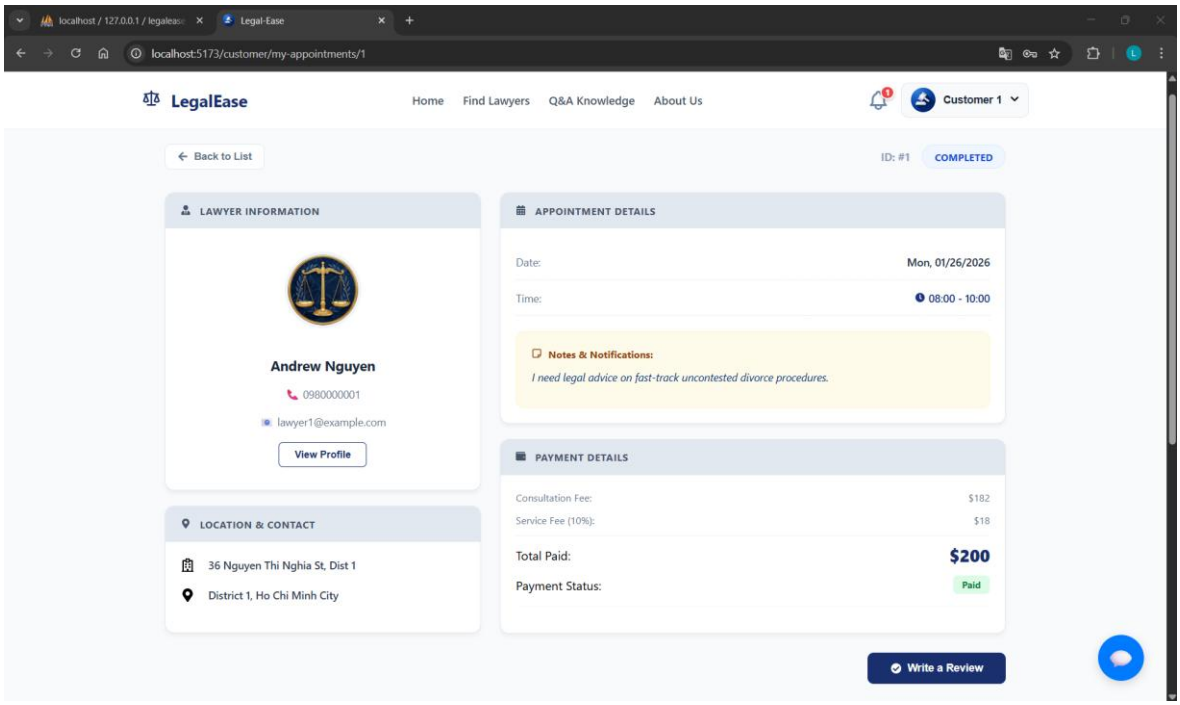

localhost:5173/login
LegalEase
Home
Find Lawyers
Q&A Knowledge
About Us
Login
Sign Up
Sign In
Email
customer1@example.com
Password
legalease123
Forgot password?
Sign In
Don't have an account? Register now
Quick Access
Find Top Lawyers
Legal Q&A & Consultation
Client Login
For Lawyers
Supported Locations
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
Practice Areas
Civil Law Lawyers
Consumer Protection Law Lawyers
Marriage and Family Law Lawyers
Road Traffic Law Lawyers
About LegalEase
About LegalEase
Careers
Contact Support

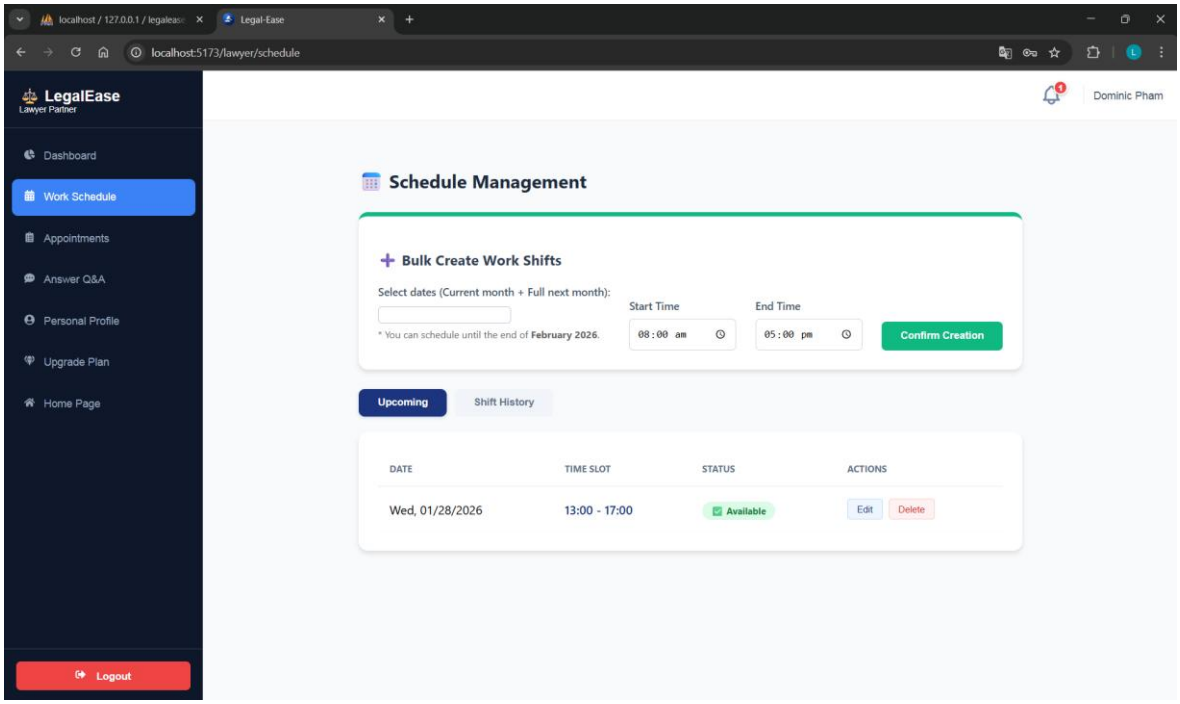

localhost:5173/support
LegalEase
Home
Find Lawyers
Q&A Knowledge
About Us
Customer 1
Search questions...
Search
Ask a Lawyer
Legal Library
Ask a Lawyer
Title (e.g., Divorce procedure in Hanoi...)
Describe your legal issue in detail...
Submit Question
Customer 1
1/28/2026
Child Custody in Vietnam
How is child custody decided in Vietnam?
View 1 Answers
Customer 2
1/28/2026


localhost:5173/lawyers/5
LegalEase
Home
Find Lawyers
Q&A Knowledge
About Us
Customer 1
Dominic Pham
8+ Years Experience
5 (1 reviews)
PHONE
0980000004
EMAIL
lawyer4@example.com
BOOK CONSULTATION
Introduction
Hello, I am Attorney Dominic Pham, specializing in providing comprehensive legal solutions.
Awards & Certifications
Outstanding Lawyer of the Year 2025
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
Service Fees
Consultation fee:
$400 - $600
Payment methods:
Visa
ApplePay


localhost:5173/booking/5
LegalEase
Home
Find Lawyers
Q&A Knowledge
About Us
Customer 1
1. Select consultation time with Dominic Pham
January, 2026
Sun Mon Tue Wed Thu Fri Sat
Work Shift: 13:00 - 17:00
13:00
14:00
15:00
16:00
2. Request Details
Selected Schedule:
14:00 | Wed, 01/28/2026
Select Consultation Package
Express Package (60 mins)
Describe your issue (Note to lawyer)
Please briefly summarize your legal issue...
Estimated Total:
$440
* The fee includes taxes and system service charges.
Proceed to Payment →


localhost:5173/customer/appointments
LegalEase
Home
Find Lawyers
Q&A Knowledge
About Us
Customer 1
My Appointment History
Manage and track the status of your legal consultations.
08:00
Mon, 01/26/2026
COMPLETED
Andrew Nguyen
Legal Analysis
Cost:
$200
View Details →
10:00
Sat, 01/31/2026
CONFIRMED
Andrew Nguyen
Legal Express
Cost:
$200
View Details →


localhost:5173/customer/my-appointments/1
LegalEase
Home
Find Lawyers
Q&A Knowledge
About Us
Customer 1
Back to List
ID: #1
COMPLETED
LAWYER INFORMATION
Andrew Nguyen
0980000001
lawyer1@example.com
View Profile
APPOINTMENT DETAILS
Date:
Mon, 01/26/2026
Time:
08:00 - 10:00
Notes & Notifications:
I need legal advice on fast-track uncontested divorce procedures.
PAYMENT DETAILS
Consultation Fee:
$182
Service Fee (10%):
$18
Total Paid:
$200
Payment Status:
Paid
LOCATION & CONTACT
36 Nguyen Thi Nghia St, Dist 1
District 1, Ho Chi Minh City
Write a Review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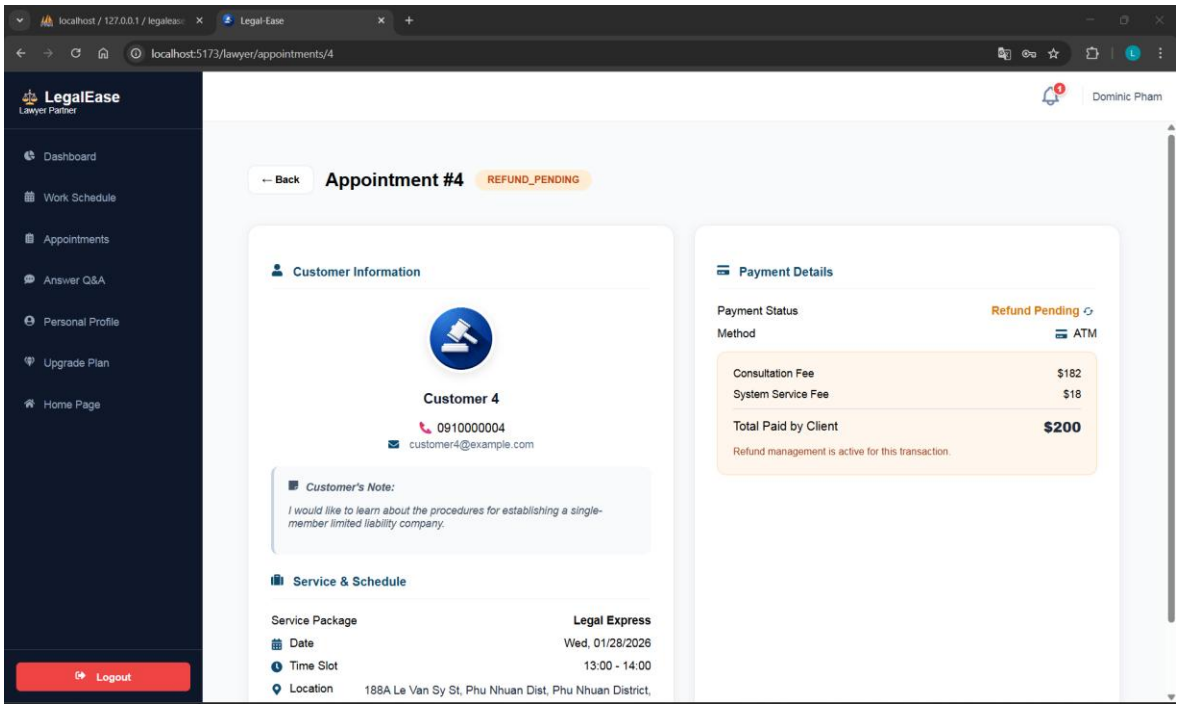
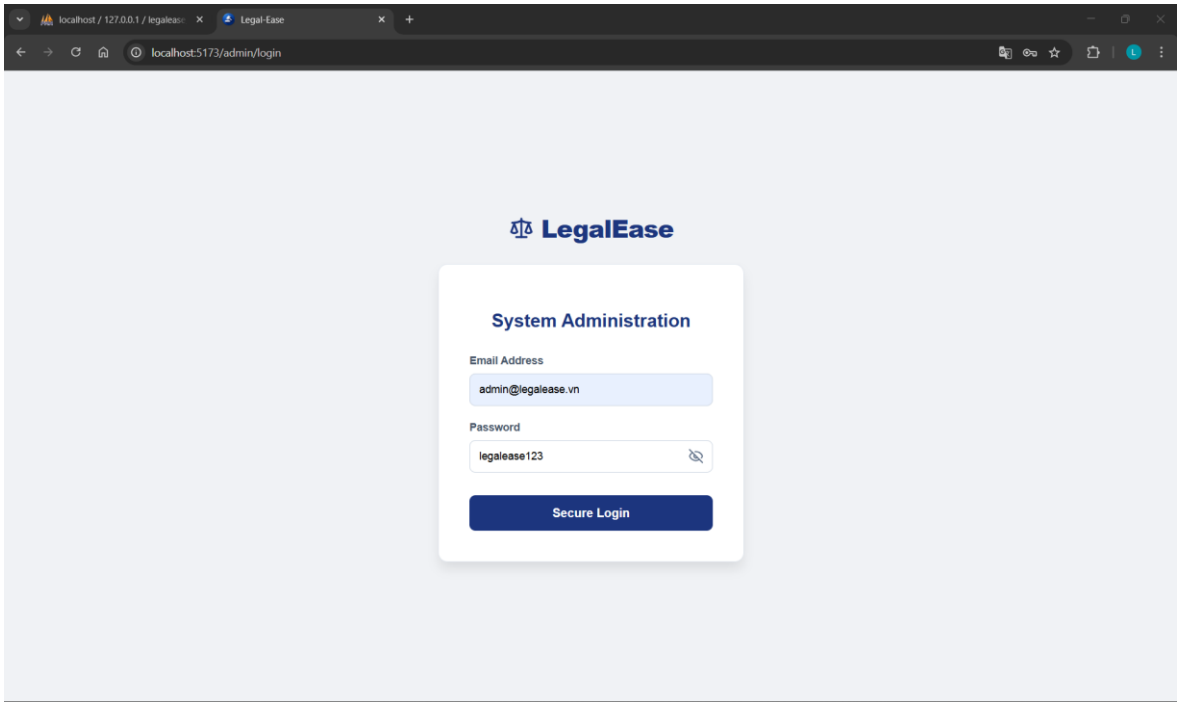
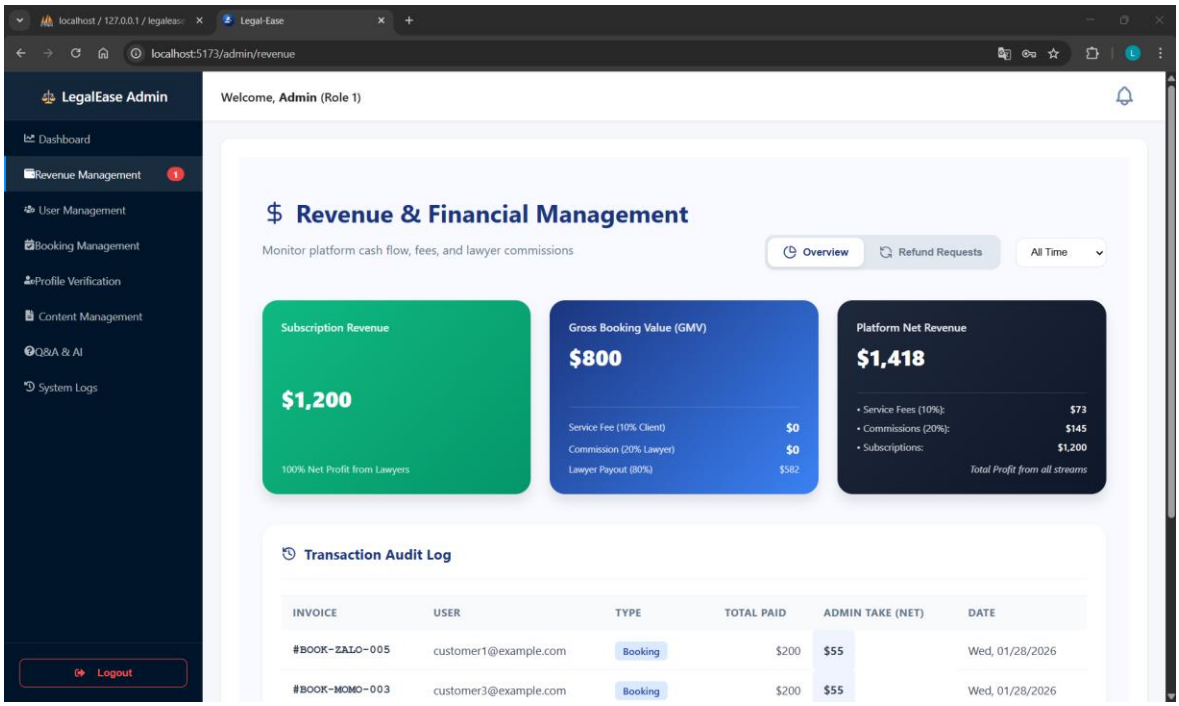
LegalEase
Lawyer Partner
Dominic Pham
Dashboard
Work Schedule
Appointments
Answer Q&A
Personal Profile
Upgrade Plan
Home Page
Logout
Schedule Management
Bulk Create Work Shifts
Select dates (Current month + Full next month):
You can schedule until the end of February 2026.
Start Time
08:00 am
End Time
05:00 pm
Confirm Creation
Upcoming
Shift History
DATE
TIME SLOT
STATUS
ACTIONS
Wed, 01/28/2026
13:00 - 17:00
Available
Edit
Delete

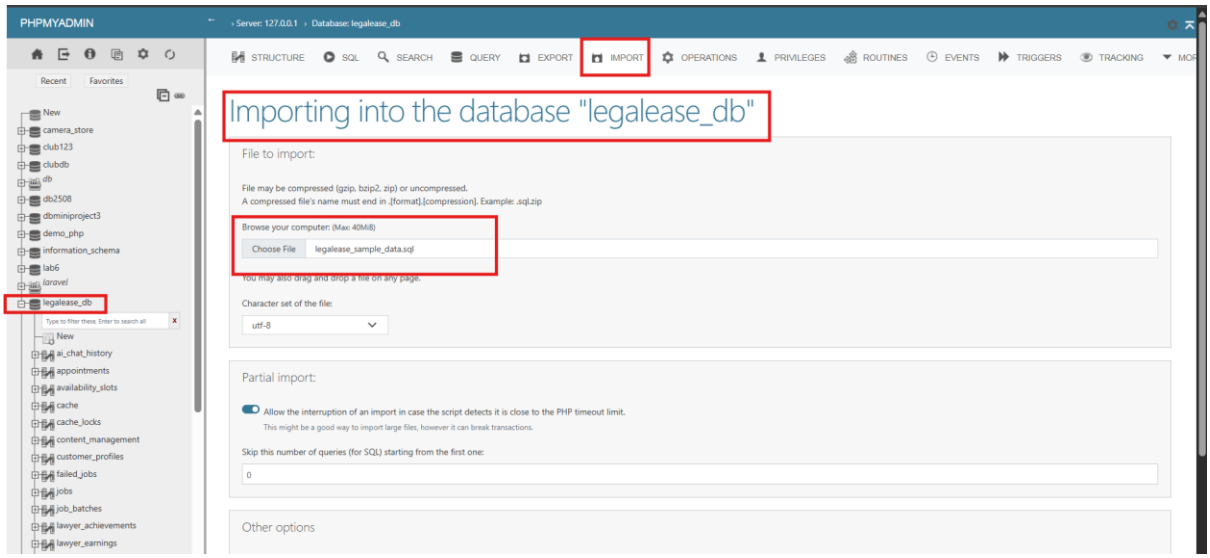

localhost / 127.0.0.1 / legalease
Legal-Ease
localhost:5173/lawyer/appointments/4
LegalEase
Lawyer Partner
Dominic Pham
Dashboard
Work Schedule
Appointments
Answer Q&A
Personal Profile
Upgrade Plan
Home Page
Logout
← Back
Appointment #4
REFUND_PENDING
Customer Information
Customer 4
0910000004
customer4@example.com
Customer's Note:
I would like to learn about the procedures for establishing a single-member limited liability company.
Service & Schedule
Service Package
Legal Express
Date
Wed, 01/28/2026
Time Slot
13:00 - 14:00
Location
188A Le Van Sy St, Phu Nhuan Dist, Phu Nhuan District,
Payment Details
Payment Status
Refund Pending
Method
ATM
Consultation Fee
$182
System Service Fee
$18
Total Paid by Client
$200
Refund management is active for this transaction.

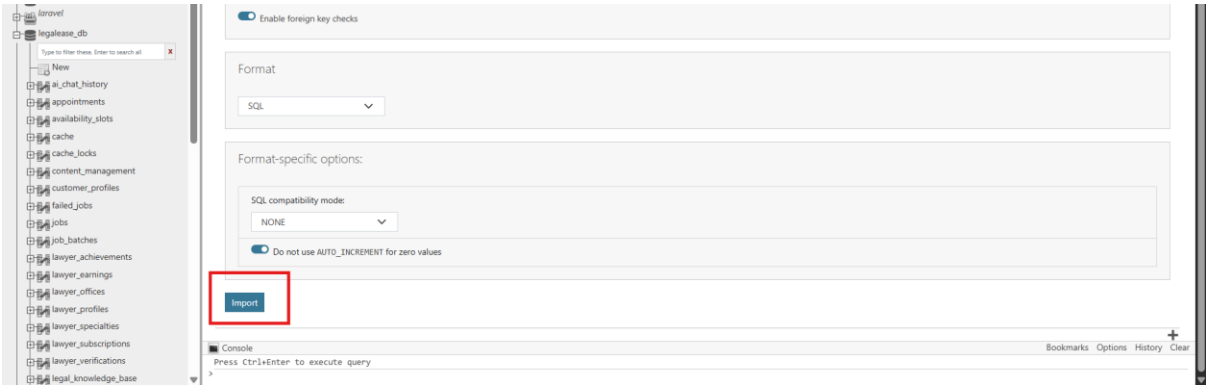

localhost / 127.0.0.1 / legalease
Legal-Ease
localhost:5173/admin/login
LegalEase
System Administration
Email Address
admin@legalease.vn
Password
legalease123
Secure Login


localhost / 127.0.0.1 / legaleas
Legal-Ease
localhost:5173/admin/revenue
LegalEase Admin
Welcome, Admin (Role 1)
Dashboard
Revenue Management
User Management
Booking Management
Profile Verification
Content Management
Q&A & AI
System Logs
Logout
$ Revenue & Financial Management
Monitor platform cash flow, fees, and lawyer commissions
Overview
Refund Requests
All Time
Subscription Revenue
$1,200
100% Net Profit from Lawyers
Gross Booking Value (GMV)
$800
Service Fee (10% Client) $0
Commission (20% Lawyer) $0
Lawyer Payout (80%) $582
Platform Net Revenue
$1,418
• Service Fees (10%): $73
• Commissions (20%): $145
• Subscriptions: $1,200
Total Profit from all streams
Transaction Audit Log
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.





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