LEGALEASE AI (USER GUIDE)

LegalEASE AI is an AI-powered legal assistant designed to simplify legal understanding and case research.
It uses advanced **NLP models (Hugging Face APIs, Sentence Transformers, EasyOCR, FAISS, and gTTS)** with a **FastAPI backend** and **React + Vite frontend** for fast and intuitive interaction.

Technology Stack

- **Frontend:** React, Vite, TypeScript, CSS Modules, React Router
- **Backend:** Python, FastAPI
- **AI/ML:** Hugging Face Inference API (Summarization, Translation), EasyOCR, Sentence Transformers, FAISS, gTTS
- **Deployment:** Render (Backend), Vercel/Netlify (Frontend)

Running the Project Locally :

Steps: Open the terminal on your PC. Run the following commands in sequence.

Step-1 : Install dependencies:

Run this in your frontend project folder (where `package.json` exists):

```
npm install
```

This installs all the packages listed in `package.json` (React, Vite, TypeScript, etc.).

Step-2 : Configure backend API endpoint:

Create a `.env` file in your frontend folder (same level as `vite.config.ts`):

```
VITE_API_URL=https://your-backend.onrender.com
```

Replace with your **actual deployed backend URL** from Render. Inside your frontend code, you'll access it as:

```
const apiUrl = import.meta.env.VITE_API_URL;
```

Step-3 : Run the frontend (development mode):

```
npm run dev
```

Vite will show output like:

```
VITE v5.0.0  ready in 400 ms
```

```
Local:   http://localhost:5173/
```

```
Network: http://192.168.x.x:5173/
```

Open that **localhost** or **network** URL in your browser.

If you want others on your LAN/VPN to access it:

```
npm run dev -- --host
```

Backend Notes — For Reference

- **Backend Framework:** FastAPI (Python)
- **Virtual Environment (for local testing):**

```
python -m venv venv
```

```
venv\Scripts\activate        # Windows
```

```
source venv/bin/activate    # macOS/Linux
```

- **Install dependencies:**

```
pip install -r requirements.txt
```

- **Run FastAPI server locally (for testing):**

```
uvicorn main:app --reload
```

- **Deployed URL:**
  https://legalease-ai-backend-production.up.railway.app/