# LexAssist Deployment Guide

This guide provides instructions for deploying the LexAssist application using GitHub, Vercel, Supabase, and Render.

## Project Structure

```

LexAssist/

├── legal\_app\_frontend/ # React/TypeScript frontend application

│ ├── src/ # Source code

│ ├── public/ # Static assets

│ ├── package.json # Frontend dependencies

│ └── vite.config.js # Vite configuration

├── legal\_app/ # Backend application

│ ├── backend/ # Python backend code

│ │ ├── api/ # API endpoints

│ │ └── requirements.txt # Backend dependencies

├── .github/ # GitHub Actions workflows

│ └── workflows/

│ └── deploy.yml # Deployment workflow

├── vercel.json # Vercel configuration

├── render.yaml # Render configuration

└── .env.example # Example environment variables

```

## Deployment Configuration

### 1. GitHub Repository Setup

1. Push your code to the GitHub repository:

```

git remote add origin https://github.com/LexAssist-relish/LexAssist.git

git add .

git commit -m "Initial commit"

git push -u origin main

```

2. Set up GitHub Secrets:

- Go to your repository > Settings > Secrets and variables > Actions

- Add the following secrets:

- `VERCEL\_TOKEN`: IYcqBlP9gsVcW9Lfc4UR6fDS

- `VERCEL\_TEAM\_ID`: team\_WtxrlwkO8UK2k0BWr9T0MPcA

- `VERCEL\_PROJECT\_ID`: prj\_XKi6wrWoOFjgCIWO96udtJx5PmZh

- `VITE\_SUPABASE\_URL`: https://meuyiktpkeomskqornnu.supabase.co

- `VITE\_SUPABASE\_ANON\_KEY`: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJzdXBhYmFzZSIsInJlZiI6Im1ldXlpa3Rwa2VvbXNrcW9ybm51Iiwicm9sZSI6ImFub24iLCJpYXQiOjE3NDgwNDM0NDQsImV4cCI6MjA2MzYxOTQ0NH0.ADWjENLW1GdjdQjrrqjG8KtXndRoTxXy8zBffm4mweU

- `RENDER\_PROJECT\_ID`: prj\_XKi6wrWoOFjgCIWO96udtJx5PmZh

- `RENDER\_API\_KEY`: (You'll need to generate this from Render dashboard)

### 2. Vercel Frontend Deployment

1. Install Vercel CLI:

```

npm install -g vercel

```

2. Link your project:

```

cd legal\_app\_frontend

vercel login

vercel link --token IYcqBlP9gsVcW9Lfc4UR6fDS

```

3. Set environment variables:

```

vercel env add VITE\_SUPABASE\_URL

vercel env add VITE\_SUPABASE\_ANON\_KEY

```

4. Deploy:

```

vercel --prod

```

### 3. Supabase Database Setup

1. Your Supabase project is already set up at: https://meuyiktpkeomskqornnu.supabase.co

2. Ensure your frontend is using the correct Supabase URL and anon key in environment variables

### 4. Render Backend Deployment

1. Create a new Web Service on Render

2. Connect to your GitHub repository

3. Configure the service:

- Build Command: `pip install -r requirements.txt`

- Start Command: `uvicorn main:app --host 0.0.0.0 --port $PORT`

- Set environment variables from the `.env.example` file

## Automated Deployment

The GitHub Actions workflow in `.github/workflows/deploy.yml` will automatically deploy:

- Frontend to Vercel

- Backend to Render

When you push to the main branch, the workflow will trigger and handle the deployment process.

## Environment Variables

Ensure all environment variables are set correctly in each platform:

1. GitHub Actions: Set as repository secrets

2. Vercel: Set in the Vercel dashboard or using the CLI

3. Render: Set in the Render dashboard for your service

Refer to `.env.example` for all required variables.