

## Laravel + Next.js Application Flow Diagram

This document explains the Climakosh Website application flow for a Laravel (backend) + Next.js (frontend) architecture.

### 1. Overview

Frontend: Next.js (UI + API requests)

Backend: Laravel (API + business logic)

Database: MongoDB

Auth: JWT (for API tokens)

### 2. Authentication Flow

1. User Login/Register → React sends request to Laravel `/api/login`.
2. Laravel validates credentials and issues a token.
3. Next store the token in cookies and includes it in future API requests.
4. Laravel middleware (`auth:jwt`) verifies the token.
5. Response returned: either data or `401 Unauthorized`.

### 3. Typical Tech Stack

Layer	Technology	Description
Frontend	Next.js, Axios, Context	UI & state management
API	Laravel	Routing, controllers, middleware
Auth	JWT	Token-based authentication
Database	MongoDB	Data storage
Deployment	Nginx / Apache + Node	Backend + frontend hosting

## 4. Application Flow Diagram



