



# Umami Project Structure

A simple, fast, privacy-focused alternative to Google Analytics. Umami is built as a clean, unified Next.js application that demonstrates how to build a high-quality product with a streamlined tech stack.

Updated 2025-12-30

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## Project Directory

umami/

- src/ The Next.js sou...
- app/ Next.js App Rou...
- components/ React components
- queries/ Database queries
- tracker/ The client-side...
- prisma/ Database schema...
- db/ SQL migration f...
- public/ Static assets
- next.config.ts
- package.json

## Repository Info

**Repository** - [umami-software/umami](#)

**Stars** - 22k+

**License** - MIT

**Last Analyzed** - December 2025

## Tech Stack

**Framework** - Next.js

**Language** - TypeScript

**Database** - PostgreSQL / MySQL with Prisma

**Styling** - Tailwind CSS

**Tracking** - Custom lightweight JS tracker

## Architecture Notes

Umami is a masterclass in simplicity. Unlike PostHog which uses ClickHouse, Umami stays within the bounds of traditional relational databases (PostgreSQL or MySQL) to keep self-hosting accessible. It uses a unified Next.js codebase for both the API and the dashboard, which simplifies deployment significantly. Its custom tracking script is designed to be extremely small and performant, ensuring it doesn't impact end-user site speed.

## Key Directories

**src/app/** - Houses the modern Next.js App Router logic and UI scenes

**src/queries/** - A clean abstraction layer for all database interactions via Prisma

**src/tracker/** - The highly optimized tracking script that collects site data

**prisma/** - Defines the core data model for websites, sessions, and events

## Why This Structure?

Umami is a perfect reference for anyone building a 'single-app' SaaS. It shows how to achieve high production value and significant scale without the complexity of a monorepo or microservices. It's a gold standard for clean, maintainable Next.js code.