Unilamp Website

Author: Mr.Auttakorn Camsoi
Advisor: Lecturer Sitthichoke Subpaiboonkit

SMARTSOFT ASIA

Abstract

This cooperative study, conducted at SmartSoft Asia Co., Ltd. (Chiang Mai Branch), modernizes the Unilamp Co., Ltd. corporate website. The project delivers a contemporary, fully responsive platform utilizing Next.js for the frontend display and WordPress as a headless Content Management System (CMS). The newly deployed system successfully meets all original objectives by seamlessly presenting essential corporate data—including product catalogs, projects, and news—across desktop and mobile devices.

Introduction

Unilamp Co., Ltd. requires a robust digital platform to showcase its products, past projects, and vital corporate information to clients. To meet evolving customer needs, this project replaces an outdated legacy system with a scalable solution built on modern web technologies.

Technology

Frontend

NextJS (Typescript)

Tailwind

Tool

VSCode

Slack

Github

Backend

NextJS (Typescript)

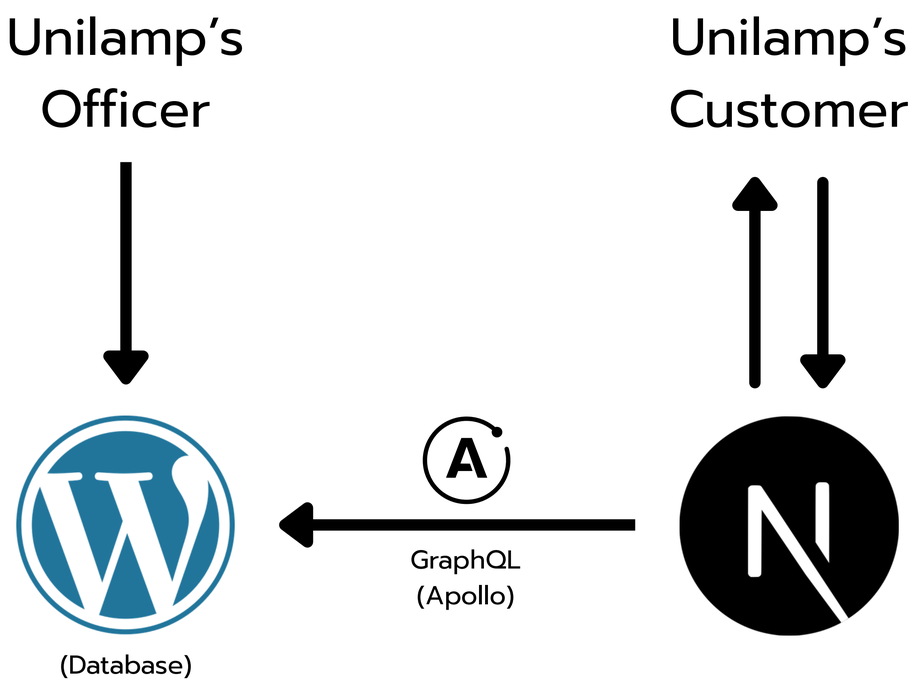
WordPress

Apollo

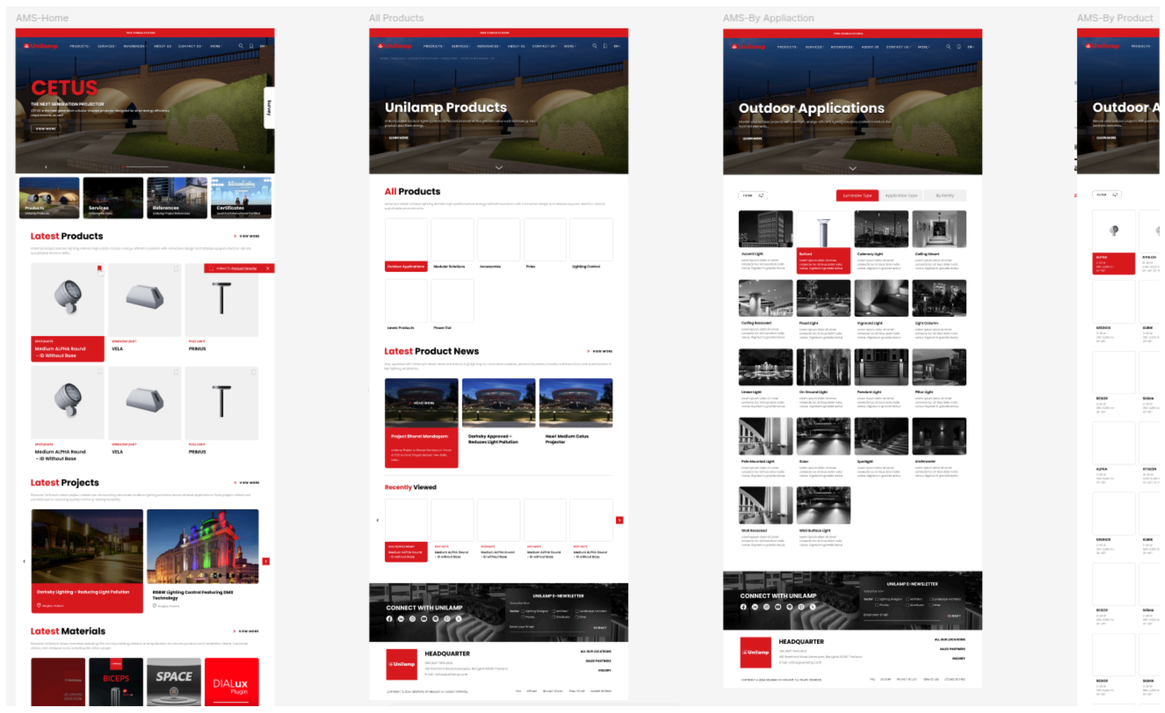
Methodology

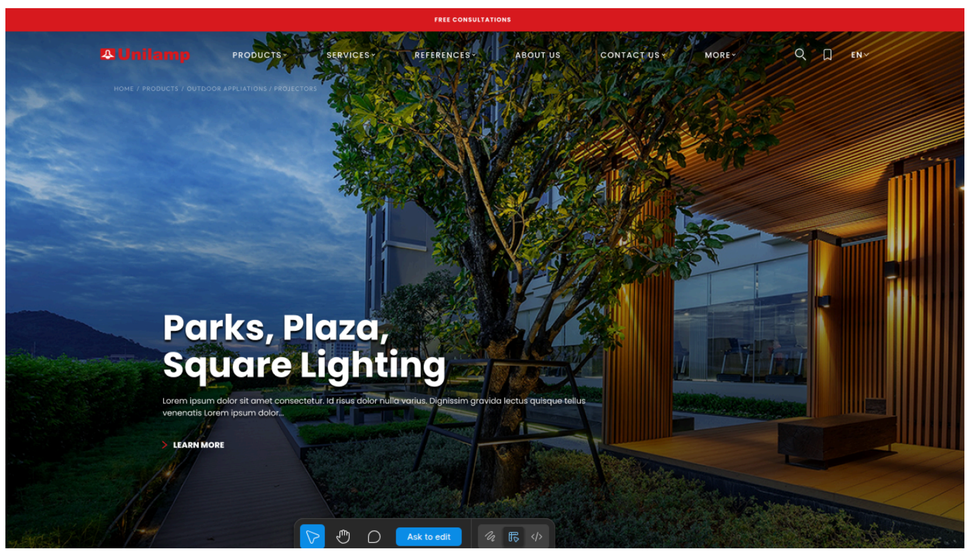
The platform is implemented using a decoupled architecture, featuring Next.js with TypeScript for the frontend and a headless WordPress CMS for the backend. This structure was specifically selected to streamline content management workflows. To ensure seamless and efficient data delivery to the end-user, the system fetches information via GraphQL utilizing the Apollo Client library.

Architecture



Design





Conclusion

The modernization of the Unilamp website successfully transitions the company from a legacy platform to a cutting-edge web architecture. Ultimately, this project achieves its primary goal: empowering internal staff to manage and update content independently, completely eliminating the need for developer intervention during routine updates.

Co-Operative Project, 204496 Department of Computer Science, 2025
Department of Computer Science, Faculty of Science, Chiangmai University