E-commerce (Avion) Website System Architecture

Overview

This document provides a comprehensive overview of the architecture for an e-commerce website built using Next.js (frontend) and Sanity (backend). It is intended for developers and stakeholders to understand the system design and flow of data.

Architecture

This document outlines the architecture for an e-commerce platform where customers can browse and purchase furniture and homeware. The system is built using Next.js for the frontend and Sanity CMS for backend content management. It also integrates with third-party APIs for payment processing and order shipping. This document provides an overview of the system's components, data flow, and API interactions.

System Overview

Frontend: Built with Next.js for a responsive user interface and server-side rendering.
Backend: APIs in Next.js handle requests and interact with Sanity CMS.
Sanity CMS: Manages product, user, and order data with custom schemas.
Third-Party APIs: Payment (e.g., Stripe) and shipping services (e.g., FedEx) to fulfill orders.