System Architecture Report: E-commerce App Design

Overview

An e-commerce mobile application design featuring product listings, user profiles, and shopping cart functionality. The design emphasizes a clean, modern interface with intuitive navigation.

Pages & UI Elements

Page: Home

Frame: Home Screen (FRAME)

Page: Product Details

Frame: Product Details Screen (FRAME)

Page: Shopping Cart

Frame: Shopping Cart Screen (FRAME)

Page: User Profile

Frame: User Profile Screen (FRAME)

Primary Button (BUTTON)

{ "background_color": "#0066FF", "text_color": "#FFFFFF", "border_radius": 8, "padding": "12px 24px" }

Secondary Button (BUTTON)

{ "background_color": "#FFFFFF", "text_color": "#0066FF", "border_radius": 8, "padding": "12px 24px", "border": "1px solid #0066FF" }

Product Card (CARD)

{ "background_color": "#FFFFFF", "border_radius": 8, "shadow": "0 2px 4px rgba(0, 0, 0, 0.1)" }

Search Bar (INPUT)

{ "background_color": "#F5F5F5", "border_radius": 8, "padding": "10px 15px" }

User Avatar (IMAGE)

{ "border_radius": "50%", "width": 40, "height": 40 }

Design System

Colors: {"primary": "#0066FF", "secondary": "#FFFFFF", "background": "#F5F5F5", "text": "#333333"}
Typography: Heading 1 - 24px Inter
Typography: Heading 2 - 20px Inter
Typography: Body - 16px Inter

User Flows

User opens app → sees home screen → browses products → taps on a product → sees product details → adds to cart → proceeds to checkout
User opens app → sees home screen → taps on profile icon → sees user profile → edits profile information

Tech Recommendations

React Native with Tailwind CSS for cross-platform development, or SwiftUI for iOS-specific implementation.

System Architecture Diagram

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