Borrow Box – Final Report

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Submission Date : 29th April 2025

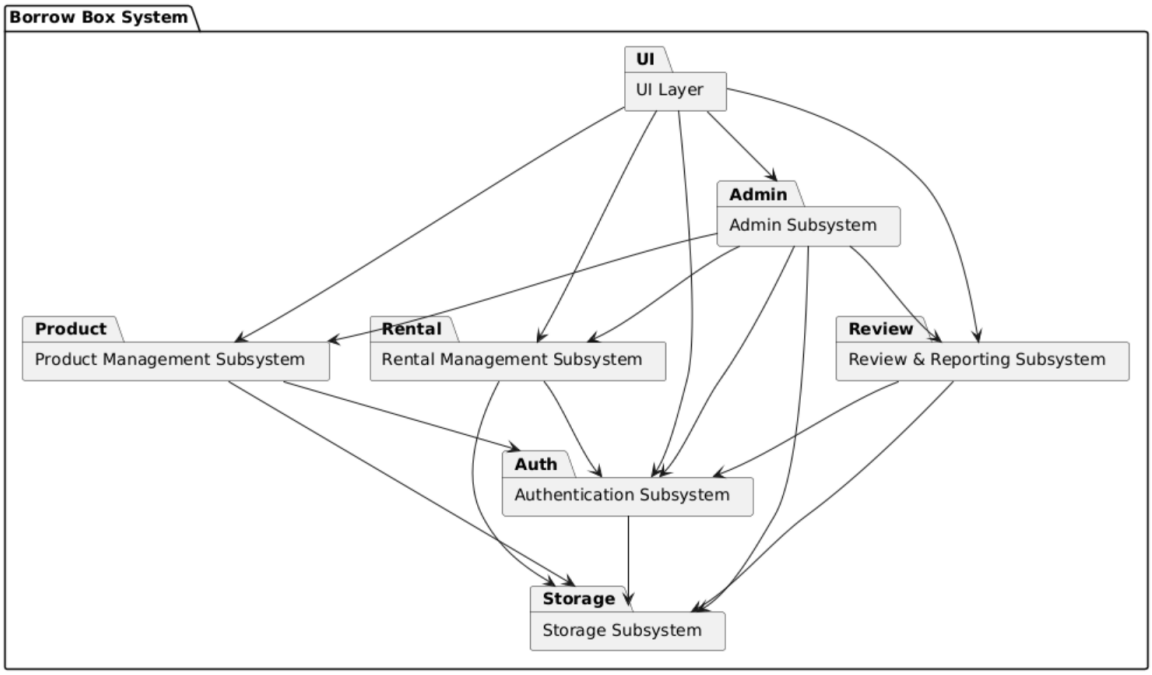
Deliverable : 3b

System Architecture - Borrow Box

CS3009 - Software Engineering - Spring 2025

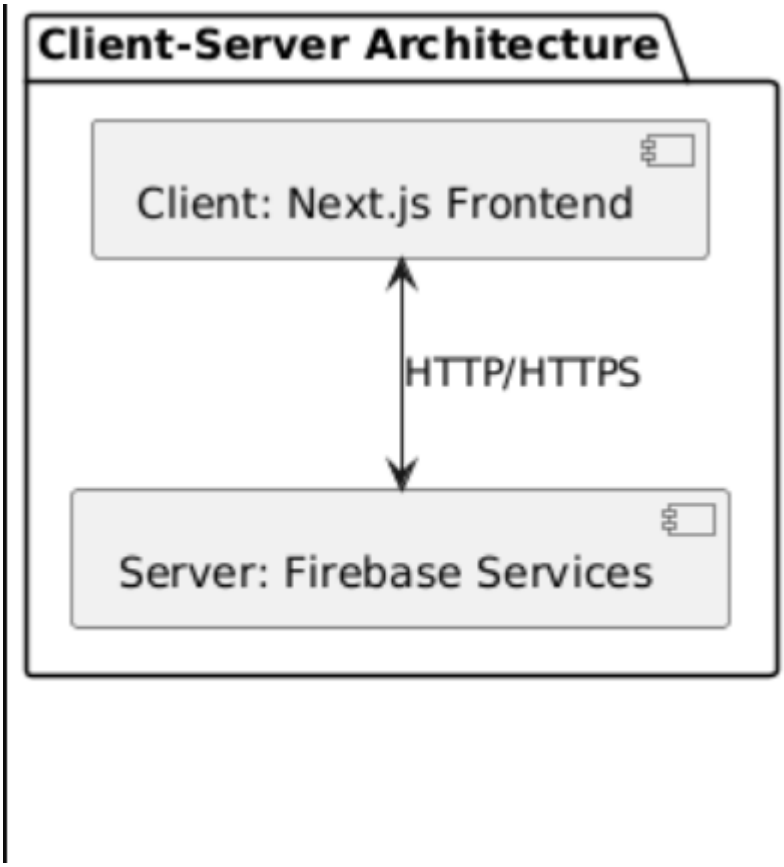
System Architecture : Borrow Box - A Peer-to-Peer Product Rental Platform

A. **Subsystem Identification**



B. Architecture Styles

The system uses Client-Server Architecture:

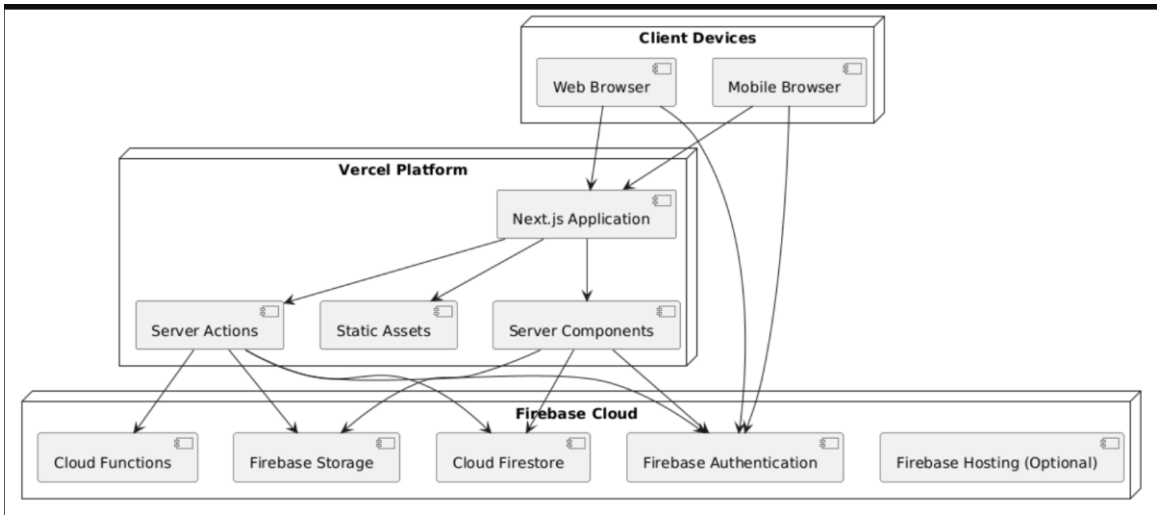
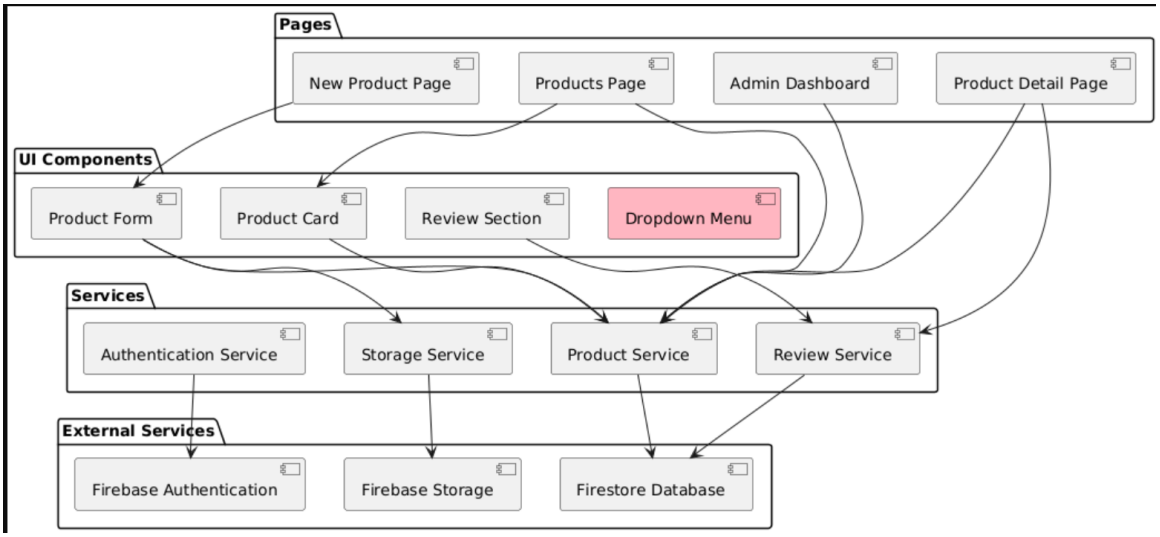


Frontend: Built using React components (e.g., Navbar, Footer, Hero) and communicates with the backend via REST APIs.

Backend: Implements a layered architecture with services like AuthService, ProductService, and RentalService.

Database: Relational database for storing users, products, and rentals.

C. Deployment diagram for client deployments



D. Component diagrams showing which services/components/subsystems you expect to be interfacing with or modifying in order to implement your enhancements.