

Backend Architecture – ShopSmart (Node.js + Express + MongoDB)

Tech Stack

- **Runtime:** Node.js
 - **Framework:** Express.js
 - **Database:** MongoDB (with Mongoose ODM)
 - **Authentication:** JWT (JSON Web Tokens)
 - **API Format:** RESTful APIs
 - **Security:** Bcrypt (password hashing), Helmet (headers), CORS
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Database Layer (MongoDB + Mongoose)

- Define schemas for:
 - **User** (role: customer, seller, admin)
 - **Product** (name, price, stock, category)
 - **Cart / Order** (items, total, status)
- Use Mongoose for schema validation and CRUD operations.