Key Features of LMS-QCommerce

1. User Authentication & Role Management

⬧ **Users:**

- **Students:** Enroll in courses, buy learning materials.
- **Instructors:** Manage courses, track student progress.
- **Admins:** Oversee platform operations, orders, and content.

⬧ **Authentication Methods:**

- **Firebase Auth / NextAuth.js** (Google, Email/Password login)
- **Role-based access** (Restricting actions based on user type)

2. Course Marketplace (E-Commerce Style)

⬧ **Components:**

- **Course Catalog** (List of available courses with filters)
- **Course Details Page** (Title, description, syllabus, price, instructor info)
- **Instant Checkout Option** (For quick enrollments)

⬧ **Q-Commerce Integration:**

- **One-Click Enrollment** (Buy and start immediately)
- **Cart & Wishlist System** (Save courses for later purchase)

3. Physical & Digital Product Store

⬧ **Products:**

- **E-books & PDFs** (Study materials, guides)
- **Webinars & Workshops** (Live sessions, premium content)
- **Educational Kits** (Physical books, stationery, gadgets)

⬧ **Key Features:**

- **Real-Time Stock Management** (Sanity CMS + Inventory API)
- **Flash Sales & Discounts** (Dynamic pricing for promotions)
- **Subscriptions & Bundles** (Monthly/yearly learning plans)

---

4. Order & Payment System

⬍ **Components:**

- **Cart & Checkout Flow** (Users can buy courses & products together)
- **Payment Gateway Integration** (Stripe, Razorpay)
- **Order Tracking** (Live updates on product delivery)

⬍ **Q-Commerce Optimization:**

- **Instant Enrollment Post-Payment** (No waiting for access)
- **Auto-Generated Invoice & Email Notifications**

---

5. Reservation & Scheduling System

⬍ **Live Classes & One-on-One Sessions:**

- Students can **book time slots** for live Q&A or tutoring.
- **Google Calendar / Zoom API Integration** for scheduling.
- Automated reminders & rescheduling options.

---

6. Admin Dashboard & Analytics

⬍ **Course & Order Management**

- Track sales, enrollments, and user activity.
- Manage refunds, cancellations, and instructor payouts.

⬍ **Q-Commerce Analytics**

- Sales trends, most purchased courses, and high-demand products.
- Performance insights for marketing strategies.

---

7. API Integration & Performance Optimization

◈ **Sanity CMS API** → Manage courses, products, orders.
◈ **Next.js API Routes** → Handle backend operations.
◈ **Caching & Optimized Queries** → Fast-loading pages & reduced API calls.