

Build a subscription-based online marketplace called *OnlineCardShow*, designed to simulate a real-life card show experience. Use Vercel for the frontend, Supabase for the backend, and Stripe for payment processing. Ensure a responsive, mobile-first design.

Core Features for MVP:

1. User Management:

- **Buyer Profiles:**

- Store name, email, and password.
- Fields for a default shipping address and payment information.
- Order history for easy tracking of past purchases.

- **Seller Profiles/Storefronts:**

- Store name, description, and profile image/logo.
- Seller dashboard to list and manage items, view orders, and track sales.

2. Product Listings:

- **Card-Specific Attributes:**

- Player/Character Name, Year, Brand (e.g., Topps, Panini), Condition (raw/graded), and Card Number.
- Image upload for front and back.
- Category filters (e.g., sport type or trading card game).

- **Listing Management:**

- Sellers can add, edit, or delete listings.
- Set prices and quantities.

3. Storefronts for Sellers:

- Customizable seller pages where buyers can view all listings from a specific seller.
- Include basic stats: number of sales, average rating (optional for MVP).

4. Buyer Functionality:

- Browse by categories, filters, and search (e.g., Player, Brand, Grading Company).
- Add items to cart and proceed to checkout.
- Payment processing through Stripe or PayPal.

5. **Transaction Management:**

- Secure checkout integrating buyer shipping and payment information.
- Generate an order receipt for buyers and notification for sellers.

6. **Seller Dashboard:**

- **Sales Tracking:**
 - View orders by date, status (e.g., paid, shipped), and buyer details.
 - Include order details like buyer name, item purchased, and total amount.
- **Shipping Tools:**
 - Input tracking numbers manually.
 - Display shipping status to buyers.

7. **Basic Subscription Model:**

- Tiered seller subscriptions:
 - **Free Tier:** Limited to a small number of listings.
 - **Paid Tiers:** Unlimited listings and storefront customization.

8. **Admin Panel (Optional for MVP):**

- Basic content moderation (flag listings or users).
- Metrics dashboard to track user activity and sales trends.

Tech Stack Recommendations:

- **Frontend:** React (or Vue) for dynamic user interfaces.
- **Backend:** Supabase for authentication, database management, and APIs.
- **Hosting:** Vercel for frontend and backend deployment.
- **Payments:** Stripe or PayPal for secure transactions.

Roadmap for MVP Development:

1. Weeks 1-2: Planning & Prototyping

- Define database schema for users, products, and transactions.
- Design wireframes for buyer and seller dashboards.

2. Weeks 3-6: Core Development

- Build user authentication, buyer profiles, and storefronts.
- Create product listing functionality and search filters.

3. Weeks 7-8: Payment and Transaction Flows

- Implement cart, checkout, and payment processing.
- Set up order notifications and tracking features.

4. Weeks 9-10: Testing

- Run alpha tests with a small group of buyers and sellers.
- Fix bugs, optimize performance, and finalize design.

5. Week 11: Soft Launch

- Open to limited users for beta testing. Gather feedback for adjustments.

Generate the initial file structure and sample code for key components like authentication, subscription integration, and listing management. Provide detailed comments explaining the logic.