MARKETPLACE TECHNICAL FOUNDATION

[BUYING AND SELLING CARS]

Frontend: Next.js

Backend: API, Third-Party APIs, Payment Gateway

Requirements:

- User-Friendly Interface

- Responsive Design for both mobile and desktop users

- Essential Pages Include:

    i. Homepage

    ii. Car Details Page

    iii. About Us Page

    iv. Contact Us Page

    v. FAQ Page

    vi. Seller Dashboard

    vii. Buyer Dashboard

    viii. Checkout Page

    ix. Financing/Loan Information Page

    x. Privacy Policy Page

xi. Terms and Conditions Page

- Third-party API integration for car history verification, payment processing, and additional services like insurance and financing.

- Sanity CMS to manage data for "Sign Up/Login, Car Listings, Orders, Transactions, and Services."

Schemas:

1. **Sign Up/Login Schema**:

Fields:

- User ID

- Email

- Password

- Full Name

- Phone Number

2. **Car Schema:**

Fields:

- Car ID

- Name/Model

- Price

- Mileage

- Year of Manufacture

- Color

- Condition (New/Used)

- Images (URLs)

- Description

- Seller ID

3. **Order Schema:**

Fields:

- Order ID

- Buyer ID

- Seller ID

- Car ID

- Order Date

- Total Price

- Payment Status

4. **Shipping Schema:**

Fields:

- Full Name

- Shipping Address

- Shipping Method

- Shipping Status

- Postal Code

- Country

   5. **Payment Schema:**

Fields:

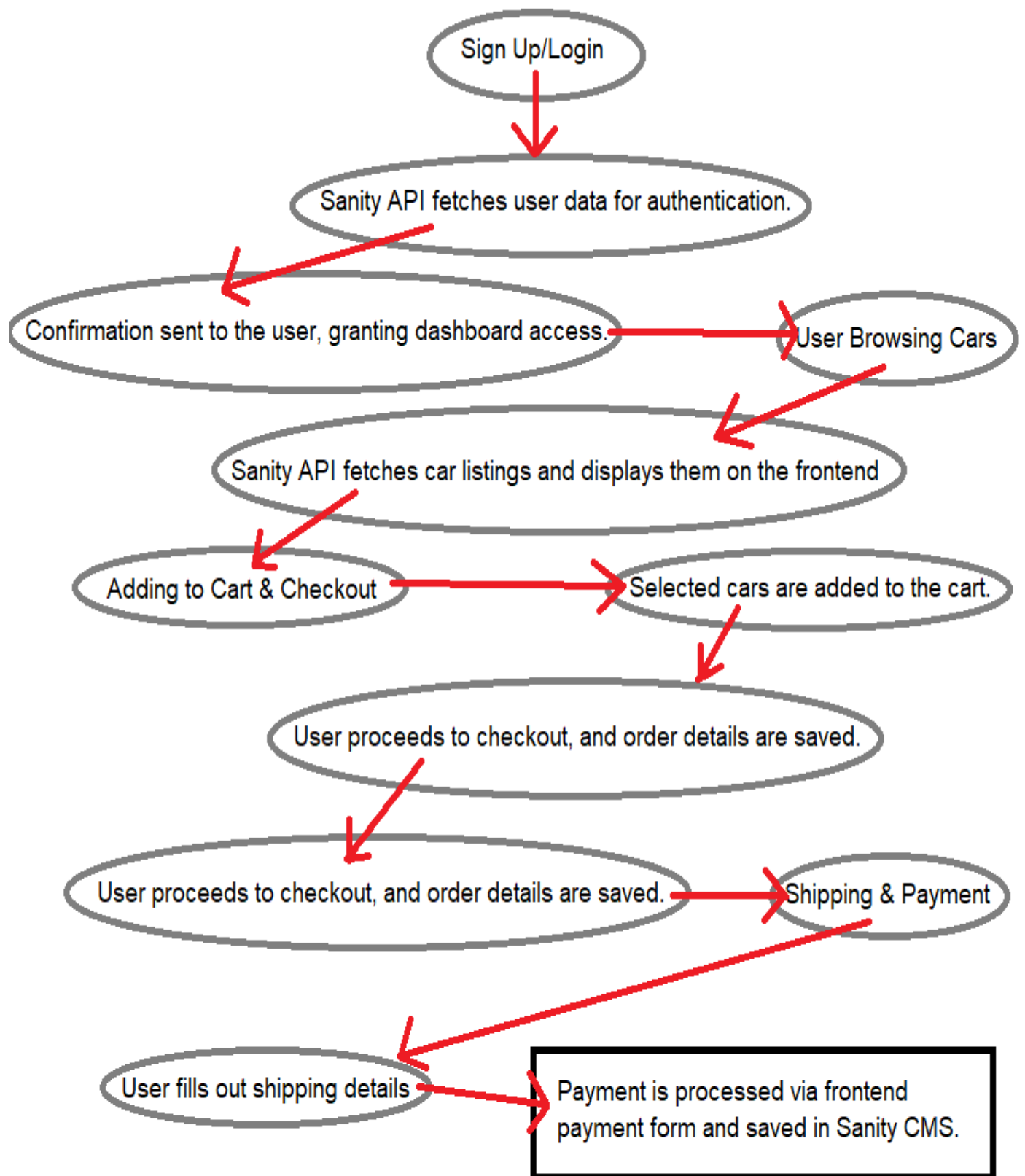- Payment ID

- Payment Method

- Payment Status

- Payment Date

Audience Target:

This platform serves car buyers in search of new or used vehicles, car sellers, including private owners and dealerships, and car enthusiasts interested in services like inspections, financing, and insurance. It provides a comprehensive solution for all car-related needs.

Unique Value Proposition (UVP):

The platform offers convenience by bringing verified car listings together in one place, transparency with detailed inspection reports and histories for each listing, and savings by integrating affordable financing and insurance services, all in a single platform.

Workflow Example:

Sign Up/Login

Sanity API fetches user data for authentication.

Confirmation sent to the user, granting dashboard access.

User Browsing Cars

Sanity API fetches car listings and displays them on the frontend

Adding to Cart & Checkout

Selected cars are added to the cart.

User proceeds to checkout, and order details are saved.

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Shipping & Payment

User fills out shipping details

Payment is processed via frontend payment form and saved in Sanity CMS.

Technology Stack:

- **Frontend:** Next.js

- **CMS:** Sanity CMS

- **Styling:** Tailwind CSS

- **Backend & APIs:** TypeScript, Postman for testing

- **Hosting:** Vercel

- **Integrations:** Payment gateways, Car history verification APIs, and shipment tracking APIs

Business Goal:

To create an all-in-one platform where users can buy and sell cars, access financing, and other services like car insurance and inspection — all while ensuring transparency, reliability, and convenience.