

Marketplace Technical Foundation – MORENT

SYSTEM ARCHITECTURE:

1. Technical Requirements

Frontend Requirements: Next.js and Tailwind CSS

Include the following essential pages:

- **Home**
- **Categories**
- **Product Details**
- **Checkout**
- **Admin Porta**

Sanity CMS as Backend

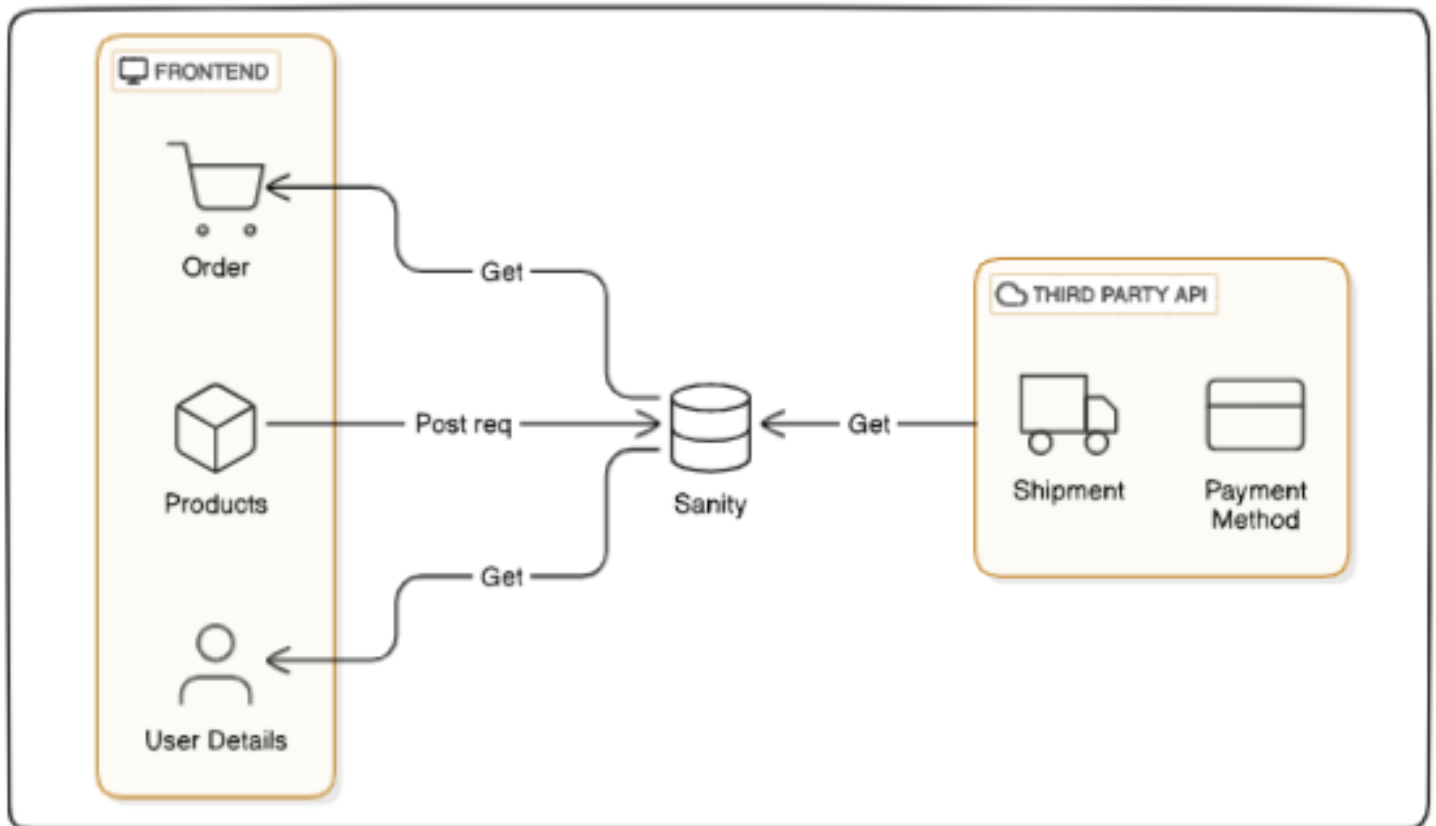
managing:

- **Product data**
- **Customer details**
- **Order records**

Third-Party APIs

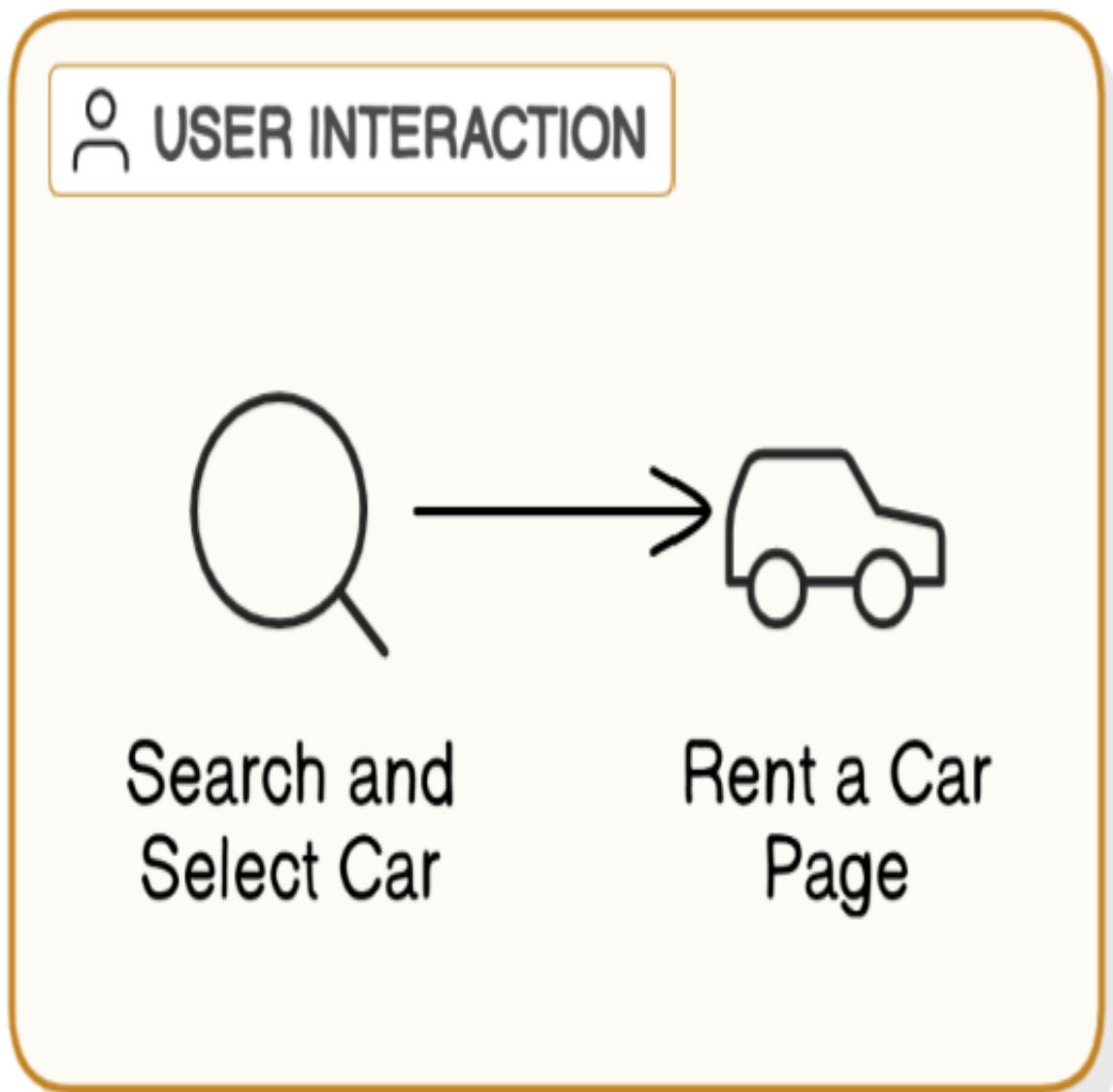
- Integrate APIs for:
 - **Shipment tracking**
 - **Payment processing**

2. System Architecture Pictorial Representation



3. Workflows

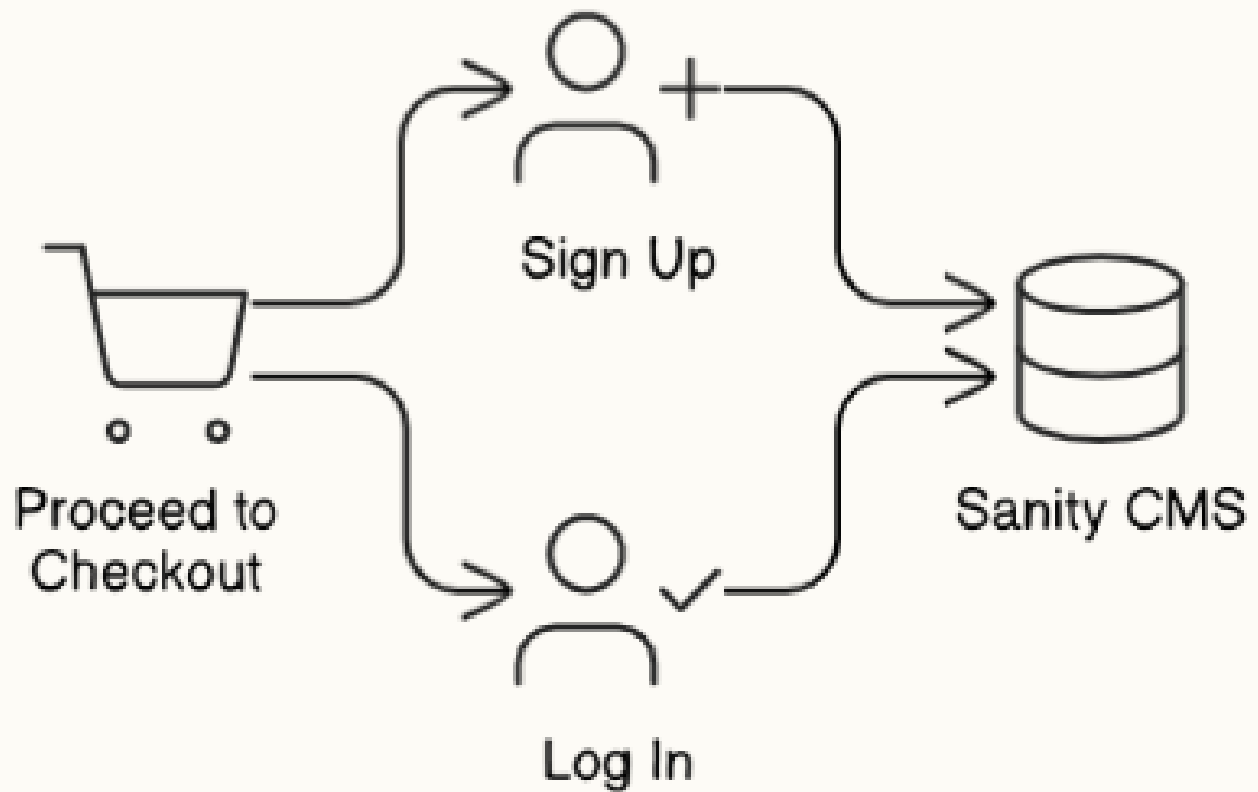
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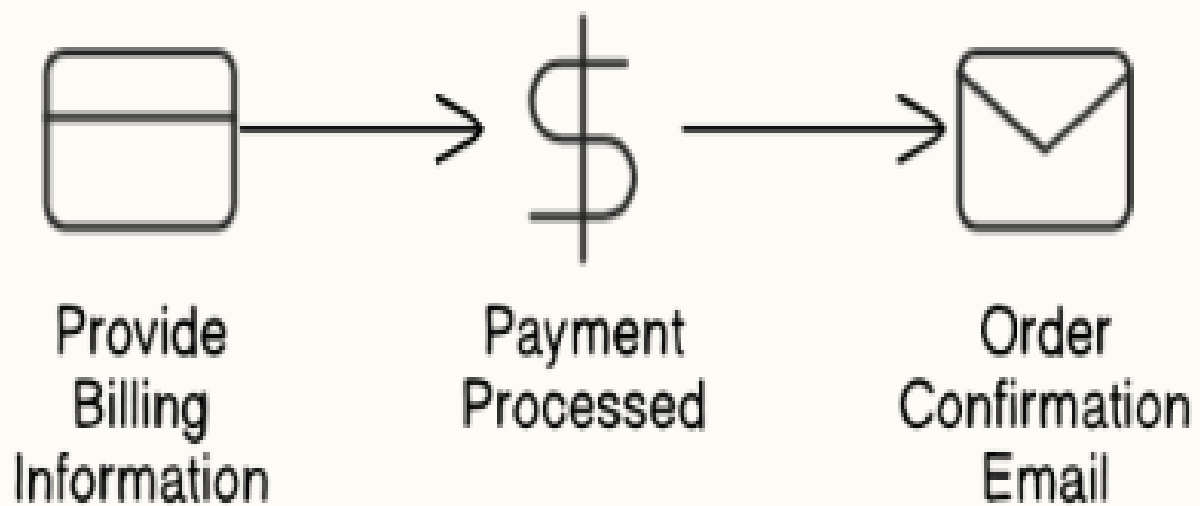


USER AUTHENTICATION



3.

\$ PAYMENT AND ORDER PROCESS



4.



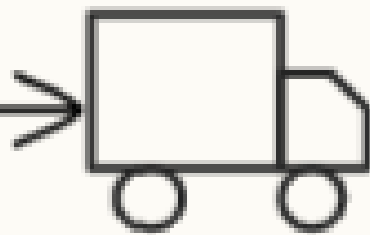
5.



INVENTORY AND SHIPPING UPDATE



Update
Inventory



Prepare for
Shipment

4. Technical Roadmap

Milestones:

1. **Day 1:** Identify business goals and key features.
2. **Day 2:** Define technical requirements and design system architecture.
3. **Day 3:** Implement Sanity schemas and integrate APIs.
4. **Day 4:** Develop the frontend with SSR and SSG for optimized performance.
5. **Day 5:** Complete testing, fix bugs, and finalize the project.

Deliverables:

- Fully functioning marketplace with responsive design.
- Seamless data flow between components.
- API documentation for future enhancements.