# "Marketplace Technical Foundation"

# SHOP.CO

## Infrastructure of a website with both "Frontend" and "Backend"

This reference represents a flowchart titled **"Marketplace Technical Foundation"** for **SHOP.CO**, the infrastructure of a website with both "Frontend" and "Backend" integration. The process is as follows:

1. **User Login to SHOP.CO**:

   o The user logs into the platform.

2. **Products and Data Interaction**:

   o The user visits the site to check products and their details.

   o Product data is fetched from the **Sanity CMS** via the **API**, which stores all the data.

   o The data is transferred from the backend (Sanity CMS) to the frontend for display.

3. **Cart and Stock Management**:

   o The user adds products to the cart.

   o The cart interacts with **Sanity CMS**, which checks the product's stock inventory and updates availability.

4. **Order Placement**:

   o The user places an order by filling in a form with shipping details.

   o The system checks and validates the payment and shipping information.

5. **Order Confirmation**:

   o After placing the order, the user receives confirmation, including tracking details and shipping updates.

- o **Sanity CMS** updates the stock inventory based on the order.

6. **Stock Inventory Updates**:

   - o Sanity CMS manages stock updates and reflects accurate stock data on the product details page.

The flowchart connects these elements with directional arrows and annotations to show data flow and interactions between the user, API, Sanity CMS, and stock management systems.