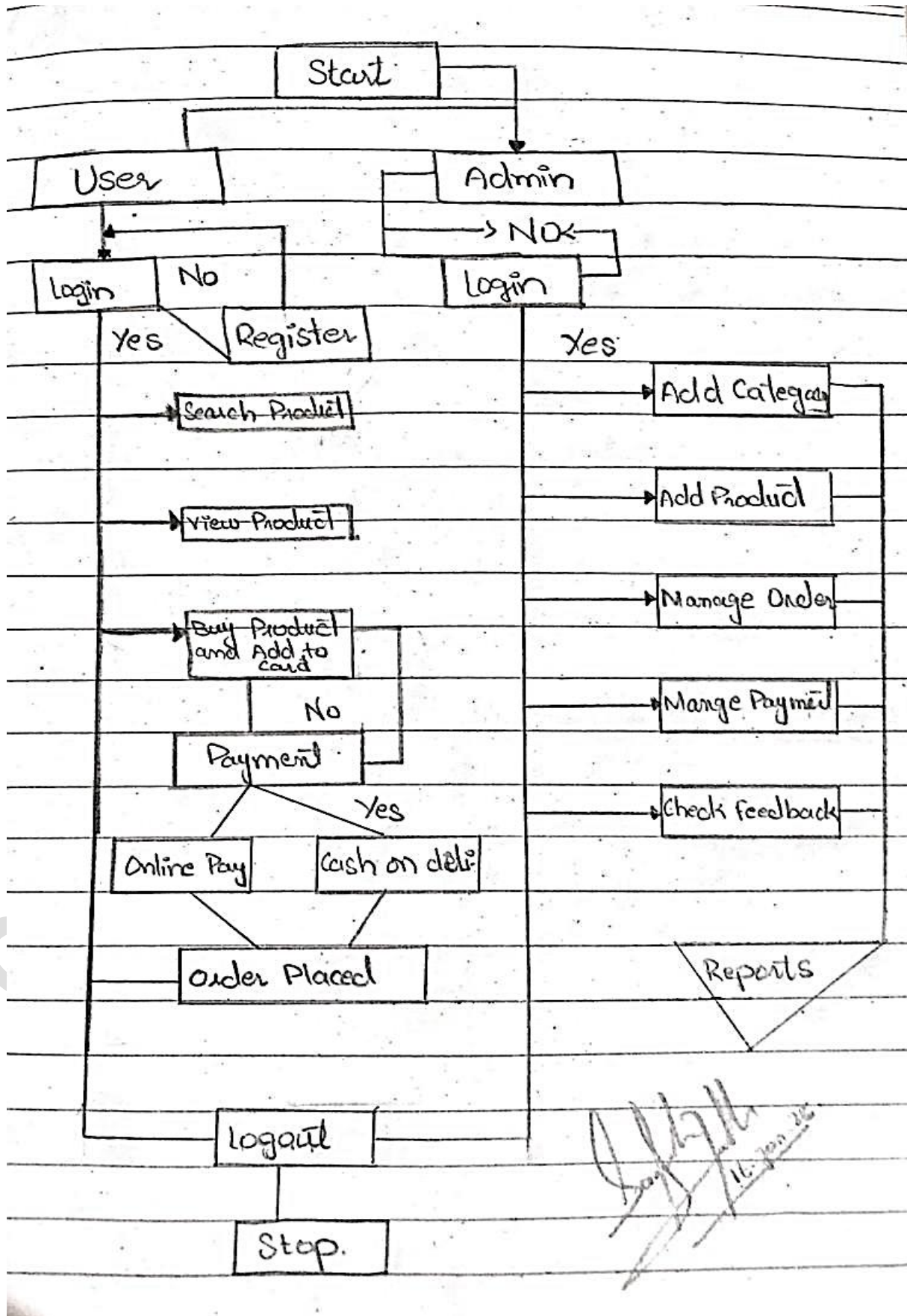


Day 2: Planning the Technical Foundation



Design System Architecture

[Frontend (Next.js)]



[Sanity CMS]



[Product Data API]



[Third-Party API]



[Shipment-Tracking API]



[Payment Gateway]

1. Technical Requirements

- Hardware Specifications
- Software Requirements
 - Performance Goals
 - Security Standards
 - Compliance Needs

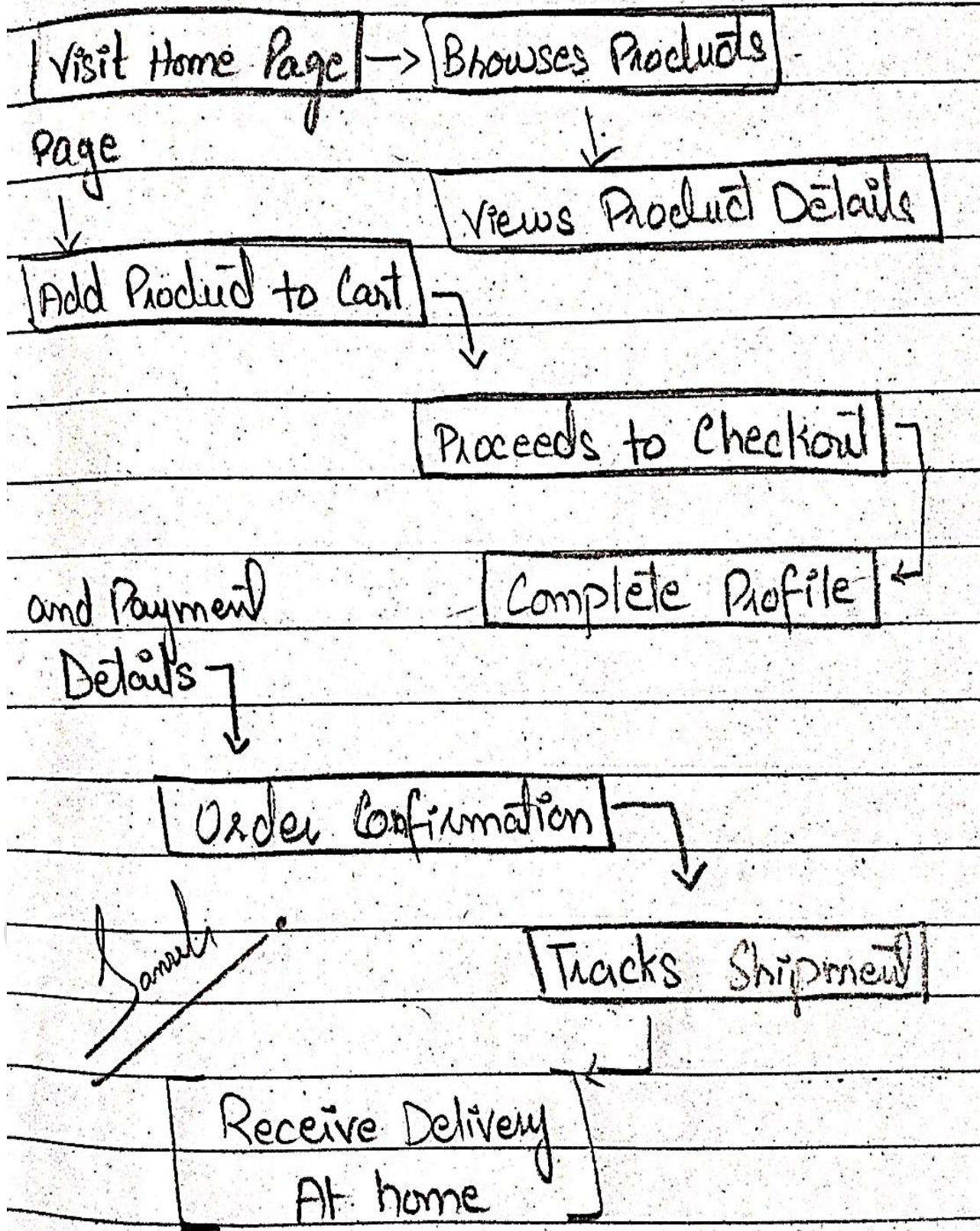
2. System Architecture Design

- Frontend Technologies
- Backend Frameworks
- Database Selection
- Integration and Middleware
- Communication Protocols

3. API Requirements Plan

- API Endpoints
- HTTP Methods
- Authentication Mechanisms
- Data Formats (JSON/XML)
- Error Handling and Status Codes

Workflow Diagram Visual Representation



APIEndpoint.xlsx

Endpoint	Method	Description	Parameters	Response
/api/Furniture	Get	Fetch all furniture items	Non	{id: 1, name: "Sofa"}
/api/Furniture/:id	Get	Fetch a single item	id (path)	{id: 1, name: "Sofa"}
/api/Furniture	Post	Add a new furniture item	name, price, category (Body)	{success:true, id 5
/api/Furniture/:id	Put	Update a furniture item	id(Path, name price (Body)	{success: true}
/api/Furniture/:id	Delete	Delete a furniture item	id(Path)	{success: true}
/api/categories	Get	Fetch all furniture categories	None	{categories: ["Tables"]}

ECOMMERCE PROJECT