

# Marketplace Technical

## Foundation:-

### Flowchart Overview

#### HOME PAGE

User lands on the homepage

Displays shop, about and contact pages on the navbar and the top sofas and products on the landing page

#### Product Browsing

User selects a product according to the price and reviews

#### Product Details

User clicks on a product to view its details. Page includes product description, price, availability and user reviews

## Add to Cart

User adds the product to the cart  
Cart updates dynamically with  
quantity and price

## Checkout

User proceeds to the checkout page  
Provides shipping address and selects  
a delivery option like cart payment  
; online payment or cash on delivery

## Payment

User enters payment details  
Secure payment gateway process  
the transaction

## Order Confirmation

Order details are displayed and  
sent via email. Order status is  
updated in the backend



## Shipment Tracking

User visits the 'Order History' section  
Real-time shipment tracking is enabled  
via API integration.

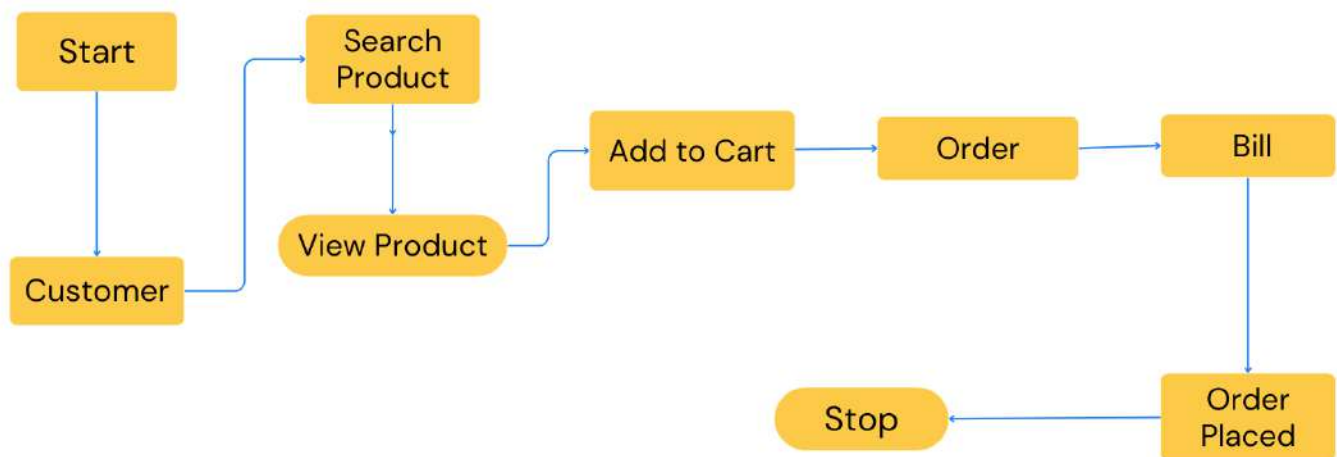
## Delivery

Product is delivered to the user's address

## Review

After delivered user check the product  
and give the review

## Workflow Diagram



# API Endpoints

ENDPOINT	METHOD	DESCRIPTION	PARAMETERS	EXAMPLE RESPONSE
/api/furniture	GET	Fetch all Products	NONE	{id:1,name:'sideTable'}
/api/furniture/:id	GET	Fetch a single Products	id (Path)	{id:1,name:'sideTable'}
/api/furniture	POST	Add a new product	name ,price, category (Body)	{sucess:true, id::5}
/api/furniture/:id	PUT	Update a product	id,Path), name (Body)	{sucess:true}
/api/furniture/:id	DELETE	Delete a product	id (Path)	{sucess:true}
/api/category	GET	Fetch all product category	NONE	{categort:['sofa']}

## Frontend

### NextJs

For Building modern,dynamic and server rendered UIs

### Tailwind

For responsive and styling or designing

### ShadCn

For predesigned customizable components

## Backend

### Sanity

To manage and structured content effectively

### Clerk

For seamless user authentication and management

## API

### ShipEngine

Seimplifies shipment tracking and delivery

### Stripe

Handless secure and efficient online payment

## Tools

### Github

Version contro and colloboarte development

### Vercel

Fast and reliable developmen for NextJs development