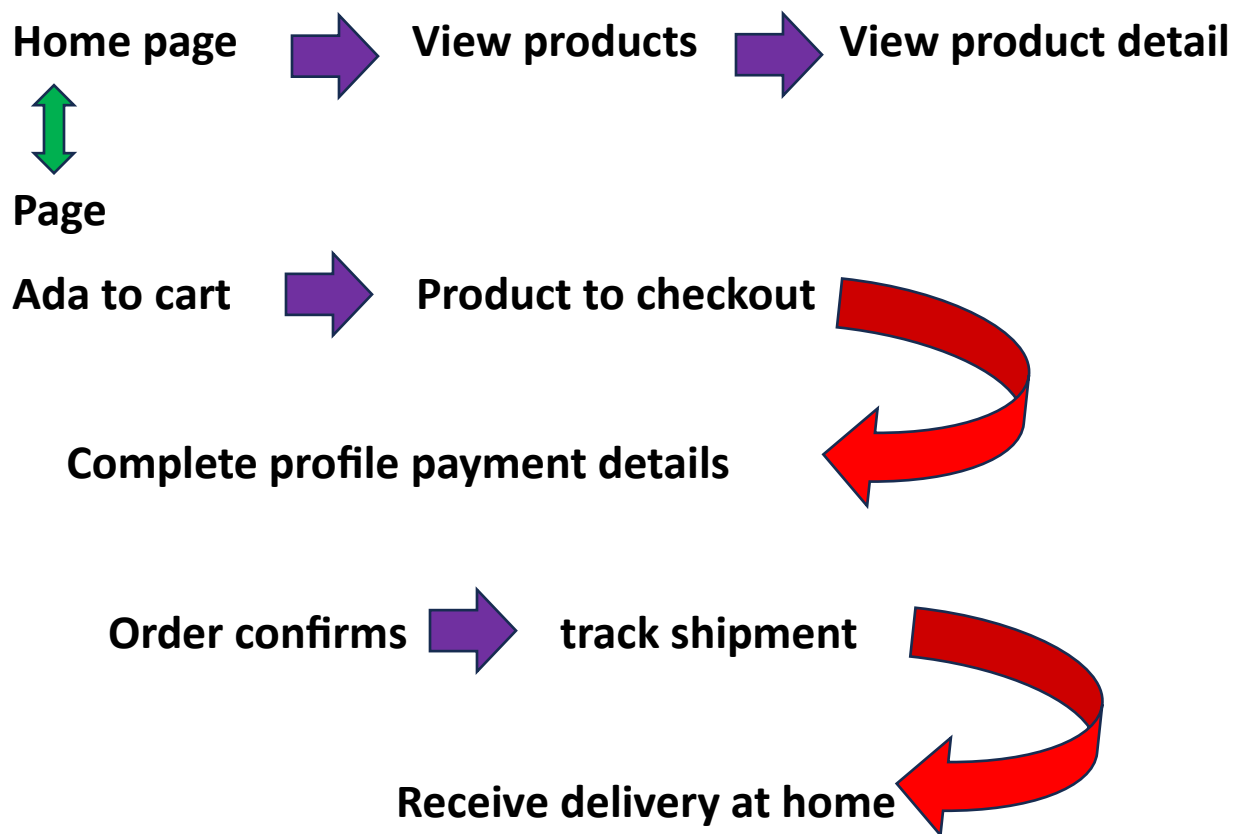


MARKETPLACE TECHNICAL FOUNDATION

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MARKETPLACE NAME(ECOMMERCE)

Work flow with visual diagram



Explain flowchart:

1. **User Sign-Up/Login:** When a user visits the website, they must first sign up or log in.

- 2. Browse Home Page:** Users can view the homepage featuring all products.
- 3. View Products and Details:** Users can view product listings and individual product details.
- 4. Add to Cart:** To purchase, users can add products to their cart.
- 5. Checkout Process:** Proceed to checkout and fill in required payment and profile details.
- 6. Order Confirmation:** Once payment is successful, the order is confirmed.
- 7. Track Shipment:** Users can track their order using a shipment tracking ID.
- 8. Receive Delivery:** The product is delivered to the user's home.

API Endpoints:

Endpoints	Method	Description
/Products	get	fetch all products
/products/id	get	Fetch a specific product
Order	Post	Create an order
Order/id	get	Fetch a specific order
/shipment/trackingid	get	Track shipments status

TECHNICAL ANALYSIS:

FRONTEND	BACKEND	API	TOOLS
Nextjs For building a modern dynamic and user friendly Ui.	Sanity CMS Use this headless CMS to achieve a frontend requirement.	Ship engine Is used for tracking and delivery.	GitHub Is used to version control and collaborative development.
Tailwind CSS Used to design a responsive Ui.			Vercel Is used to deployment for nextjs application.
Shadcn Ui Use for reuseable components.			

Technical Analysis Explain:

Frontend

- **Next.js:** A modern framework for building dynamic and user-friendly UIs.
- **Tailwind CSS:** Ensures a responsive and visually appealing design.
- **ShadCN UI:** Utilized for creating reusable components.

Backend

- **Sanity CMS:** A headless CMS used to meet frontend content requirements.

API

- **ShipEngine:** API used for shipment tracking and delivery.

Tools

- **GitHub:** For version control and collaborative development.
- **Vercel:** For deploying the Next.js application.

System Architecture Diagram

