# Complete Workflow of Project

## 1. User Registration :

- **Step 1:** User navigates to the registration page.
- **Step 2:** Enters personal details (name, email, password) and submits the form.
- **Step 3:** Frontend validates the input data.
- **Step 4:** Backend receives the data and stores it in Sanity.
- **Step 5:** Server generates a confirmation link and sends a confirmation email to the user.
- **Step 6:** User receives the email and clicks on the confirmation link to complete registration.

## 2. Product Browsing :

- **Step 1:** User navigates to the product browse section.
- **Step 2:** Frontend requests product categories from Sanity API.
- **Step 3:** Sanity API fetches and returns category data.
- **Step 4:** Frontend displays categories to the user.
- **Step 5:** User selects a category.
- **Step 6:** Frontend requests products within the selected category from Sanity API.
- **Step 7:** Sanity API fetches and returns product data.
- **Step 8:** Frontend displays the products to the user.

## 3. Order Placement :

- **Step 1:** User adds products to the cart.
- **Step 2:** User proceeds to the checkout page.
- **Step 3:** User enters shipping address and selects shipping method.
- **Step 4:** User enters payment details.
- **Step 5:** User submits the order.
- **Step 6:** Backend processes the order and saves order details in Sanity.
- **Step 7:** Backend interacts with a payment gateway to process payment.
- **Step 8:** If payment is successful, the server confirms the order and sends an order confirmation email to the user.

## 4. Shipment Tracking :

- **Step 1:** User logs into their account.
- **Step 2:** User navigates to the "My Orders" section.
- **Step 3:** User selects an order to track.
- **Step 4:** Backend requests tracking information from a third-party shipment tracking API.
- **Step 5:** Third-party API returns the current status of the shipment.
- **Step 6:** Frontend displays the tracking details to the user.

## Additional Considerations:

- **Security:** Ensure secure handling of user data and sensitive information.

- **Performance:** Optimize data fetching and use caching mechanisms.

- **User Experience:** Design intuitive interfaces with clear feedback at each step.

- **Error Handling:** Implement robust error handling and feedback mechanisms.

- **Testing:** Conduct unit and integration tests to ensure functionality.

- **Deployment:** Use platforms like Vercel for scalable and reliable deployment.

- **Scalability:** Plan for growth in traffic and data with scalable infrastructure.

- **Compliance:** Adhere to regulations like GDPR for data privacy.

# WORKFLOW DIAGRAM

# Furniro-Workflow



PRODUCT PAGE

Product Page

Dynamic Page

ORDER PAGE

Buy now btn

Add to cart btn

Review & ratings

CUSTOMER

Login

Cart Page

Cards

Subtotal

Checkout Page

Delivery charges

Shipment API

Proceed to Payment

Total amt