

# ClothCove

## 3<sup>rd</sup> day Assignment:

Integrating an API into a Sanity CMS and then exposing it on a website involves several steps.

### 1. Setting Up Sanity Studio

- **Install Sanity CLI:** Ensure you have the Sanity CLI installed on your machine.
- **Initialize a Sanity Project:** Create a new project or use an existing one.
- **Define Schemas:** -
- Create or update schemas in schemas/ folder to structure the data coming from the API.

### 2. Fetch API Data and Import into Sanity

- Use Sanity's Content Lake or the Studio's Content API to populate data.
- **Create a Script to Fetch Data:**
  - Use Node.js to fetch data from the API and push it to Sanity.
  - Run the script:

### 3. Expose Sanity Data on a Website

- **Choose a Framework:** Use a modern frontend framework like **Next.js**, **Gatsby**, or **Nuxt.js**.
- **Install Sanity Client:** Install Sanity's JavaScript client in your project.
- **Set Up the Client:** Configure the Sanity client in your application.
- **Fetch Data:** Query Sanity's content using Groq.
- **Display Data:** Use the fetched data in your pages or components.

### 4. Automating API Updates

- Set up **Webhooks** or **CRON Jobs** to periodically sync API data with Sanity.

### 5. Deploy Your Website

- Host your frontend on platforms like Vercel, Netlify, or your preferred hosting service.
- Ensure the Sanity project is publicly accessible or uses environment variables for API tokens.

This process ensures seamless integration of external API data into Sanity and exposes it effectively on your website