# Day 3 - API Integration and Data Migration Objective:

The focus for Day 3 is integrating APIs and migrating data into Sanity CMS to build a functional marketplace backend. Students will learn how to utilize APIs for reference, migrate data into Sanity CMS, and ensure compatibility with their templates. This approach replicates real-world practices and prepares students to handle diverse client requirements, including integrating headless APIs or migrating existing data from popular eCommerce platforms.

- Document Title: "Day 3 API Integration Report [Your Marketplace Name]"
- What to Submit: o A report documenting:
- API integration process.
- Adjustments made to schemas
- Migration steps and tools used.

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(c) Microsoft Corporation. All rights reserved.

Voluminating Dyna Create sanity@latest

Learn none about create on:

Mulcome to Greate: a delightful repository templating engine.

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Running with mode --migrate using the template:

create/manity@latest: The default export of create-sanity@latest should be a Template.

The default export of create-sanity@latest: The default export of create-sanity@latest should be a Template.

To use logged in as hassanjafferedl@gmail.com using Google

Factching existing projects

Create a new project or select an existing one Create new project

Your project name: dwyni

Your content will be stored in a dataset that can be public or private, depending on whether you want to query your content with or without authentication.

Use the default dataset configuration files for a Sanity project in this Next.js folder? Yes

Do you man to go you want to use of the project for a Sanity project in this Next.js folder? Yes

Do you man to go you want to use of the project with no predefined schema types

Creating dataset

Would you like to add configuration files for a Sanity project in this Next.js folder? Yes

Do you want to see the default of the your content with the schema types

Sould you like to add the project Di and dataset to your .em.local file? Yes

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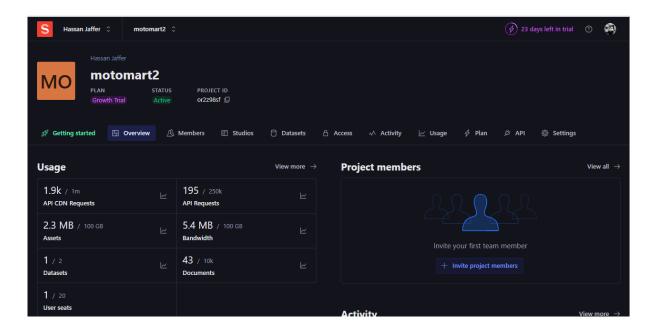
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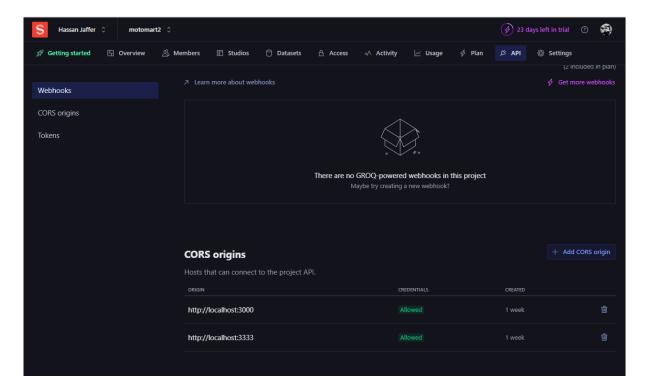
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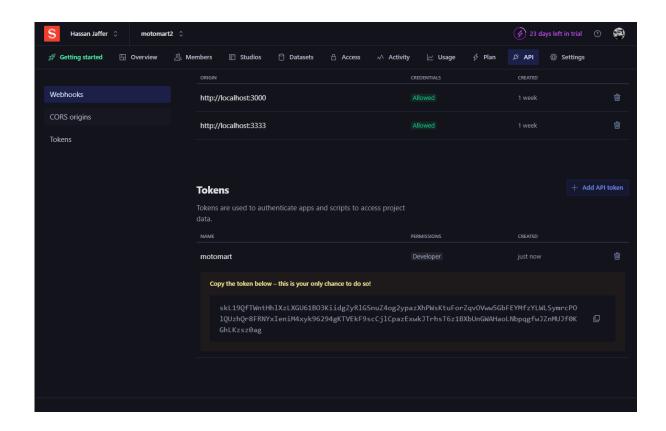
found 0 vulnerabilities

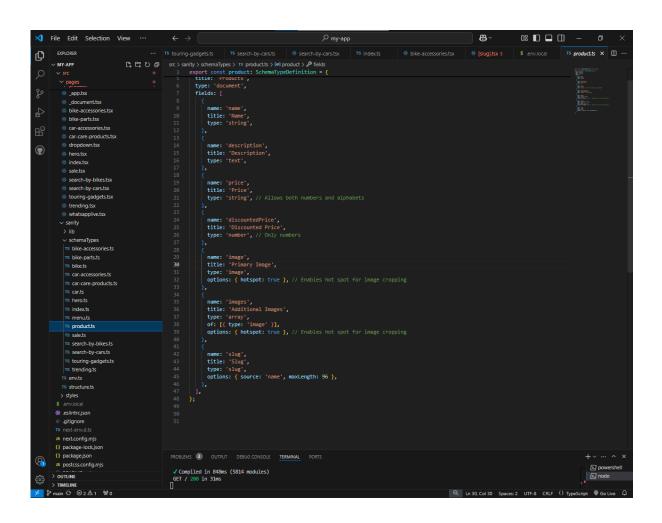
Success! Your Sanity configuration files has been added to this project

D:\day3\day03>

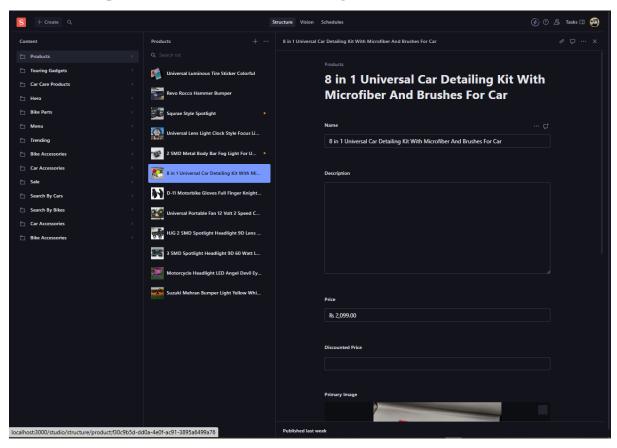


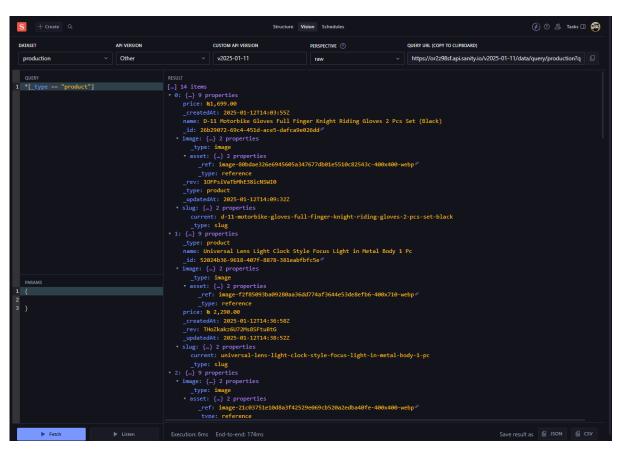






# **Adding Data Manually:**





### **Product List**



D-11 Motorbike Gloves Full Finger Knight Riding Gloves 2 Pcs Set (Black)

Rs1,699.00



Universal Lens Light Clock Style Focus Light in Metal Body 1 Pc

Rs 2,290.00



2 SMD Metal Body Bar Fog Light For Universal Bikes & Cars 1 Pcs

Rs 1,590.00



Universal Luminous Tire Sticker Colorful

Rs 6999



Angel Devil Eyes DRL Headlight Projector Lens High/Low Beam Spotlight 1 Pc Save 18%

Rs3,190.00



HJG 2 SMD Spotlight Headlight 9D Lens Yellow -White Beam Fog Lights 2 Pcs

Rs6.500.00

Suzuki Mehran Bumper Light Yellow White Throw With Indicator DRL 2 Pcs Set

Rs 2990

localhost:3000/.../universal-lens-light-clock-style-focus-light-in-metal-body-...



3 SMD Spotlight Headlight 9D 60 Watt Lens Yellow - White Beam Fog Lights 2 Pcs Set

Rs7,200.00



Universal Portable Fan 12 Volt 2 Speed CHS Brand

Rs 1,790.00



Revo Rocco Hammer Bumper

Rs 200600

# Document Title: "Day 4 - Dynamic Frontend Components – Moto Mart"

Moto Mart - Your One-Stop Destination for Automotive Accessories

Moto Mart is a leading online store dedicated to providing high-quality bike and car accessories at unbeatable prices. Whether you're looking for fog lights, LED headlights, riding gear, or essential vehicle upgrades, we offer a wide range of products to enhance your ride. With a commitment to quality, affordability, and customer satisfaction, Moto Mart ensures a seamless shopping experience for all automobile enthusiasts.

## Steps for Building Key Features of an E-commerce Platform

### 1. Product Listing

Create a database schema for products (name, price, description, category, images).

Develop an API to fetch products from the database.

Design the frontend UI to display products in a grid/list format.

Implement pagination, sorting, and filtering for better navigation.

### 2. Product Detail Page

Create a dynamic product details route (e.g., /product/:id). Fetch and display product-specific details (name, price, description, images, reviews). Add an "Add to Cart" button and display stock availability.

#### 3. Search Bar

Implement a search input field on the homepage/header.
Use real-time search suggestions with debounce for better UX.
Fetch matching products via a search API (query-based filtering).
Display search results dynamically.

#### 4. Admin Panel

Create an admin authentication system.

Develop CRUD functionalities for managing products, categories, and users.

Implement an order management system for tracking purchases.

Add dashboard analytics for sales and performance insights.

### 5. Cart System

Create a cart model in the database (or local storage for guest users).

Allow users to add, remove, and update quantities of items.

Display cart total, taxes, and checkout options.

Implement a checkout page with payment gateway integration.

### 6. User Profile

Build user authentication (login, signup, and authentication tokens).

Create a profile page displaying order history, saved addresses, and account details.

Allow users to edit profile information and manage orders.

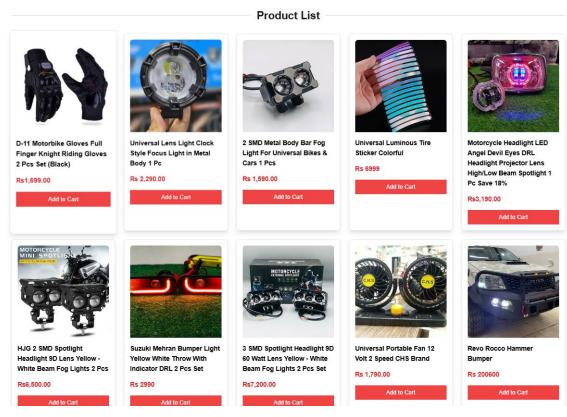
## 7. Categories System

Define category models in the database (e.g., Electronics, Accessories, Apparel). Create an API to fetch categories dynamically.

Design a category-based filtering system for better product organization.

Enable category-based navigation in the UI.

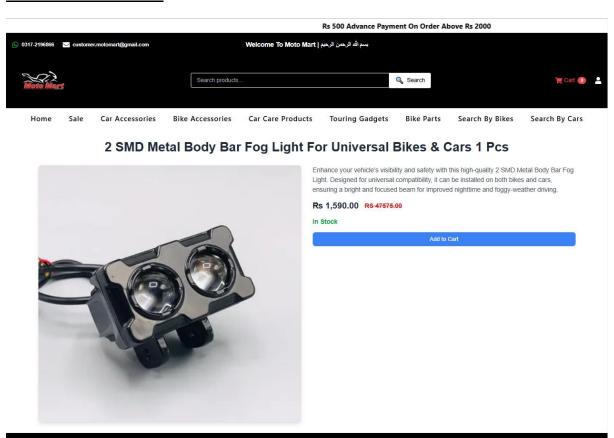
## 1.Product Listing:



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## 2.Product Details:

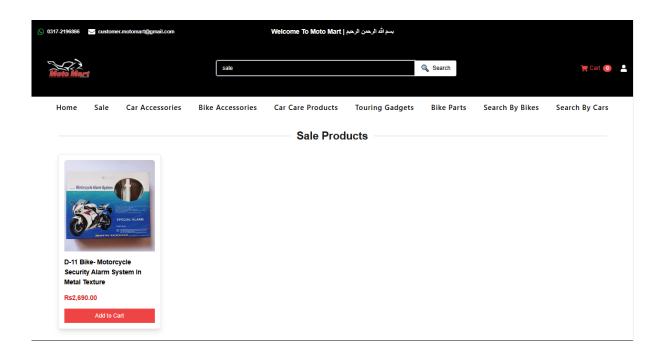


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           interface Product {
   name: string;
   description: string;
   price: number | string | null;
   discountedPrice: number | null;
   imageUrl: string;
   inStock: boolean;
H
•
                        const ProductDetailsPage = () => {
  const [product, setProduct] = useState<Product | null>(null);
  const [loading, setLoading] = useState(true);
  const router = useRouter();
  const { slug } = router.query;
                            useEffect(() => {
  if (!slug) return;
                                        name,
description,
price,
                                       discountedPrice,
"imageUrl": image.asset->url,
inStock
                                  instock
}';
const productData = await client.fetch(query, { slug });
setProduct(productData);
} catch (error) {
console.error('Error fetching product:', error);
                                    finally {
setLoading(false);
8
                            fetchProduct();
}, [slug]);
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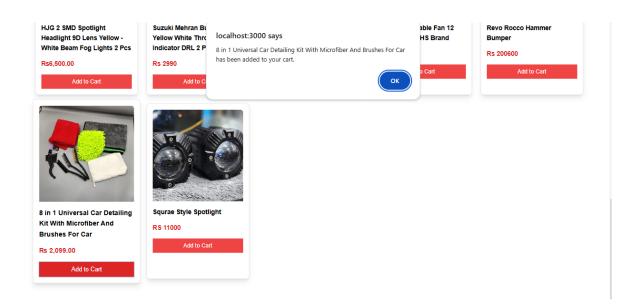
## 3.Categories:

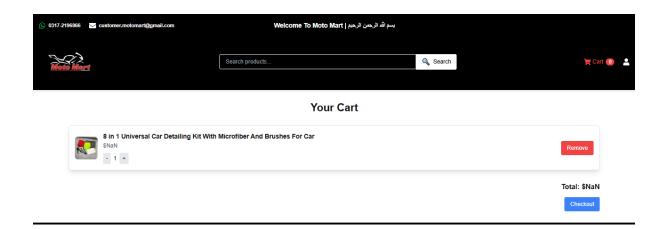


## 4.Search Bar:



# <u>5.Cart:</u>





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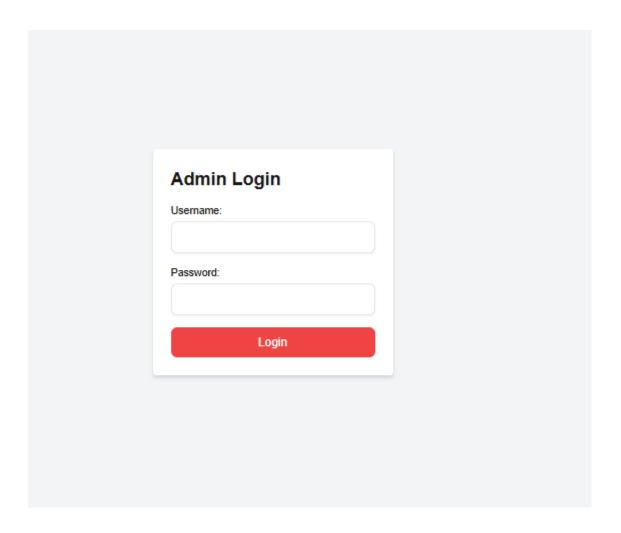
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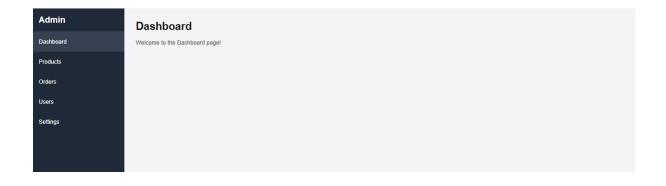
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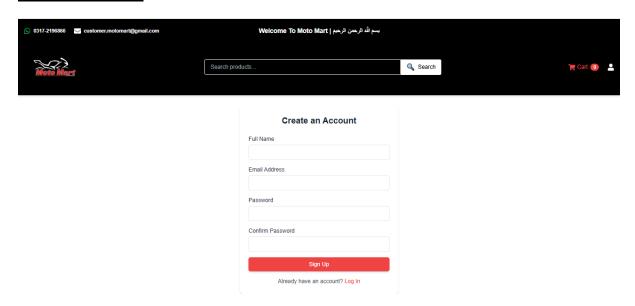
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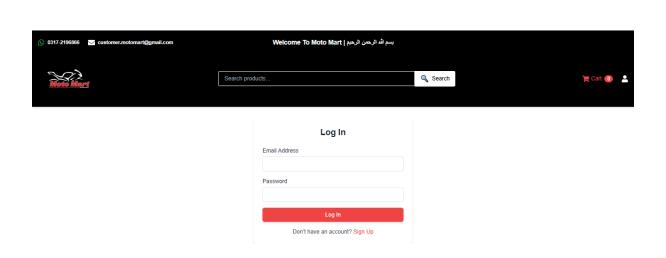
# 6.Admin:





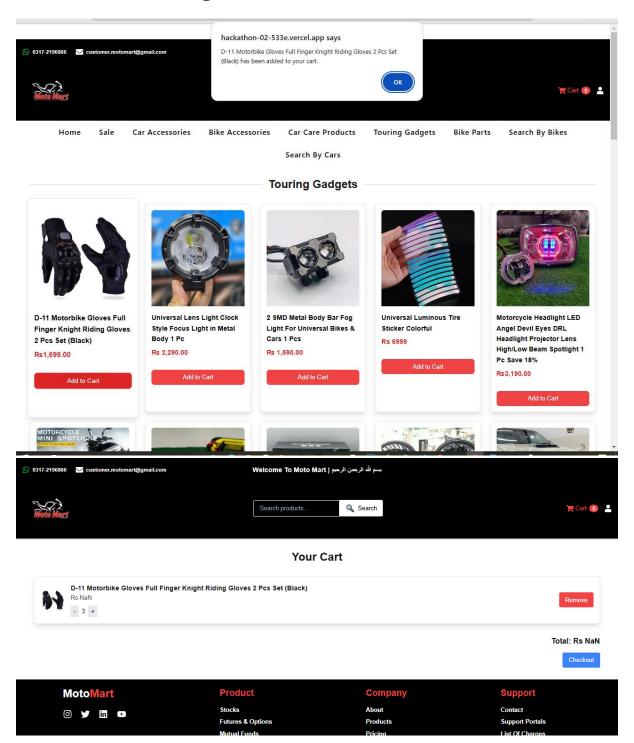
# 7.User Profile:

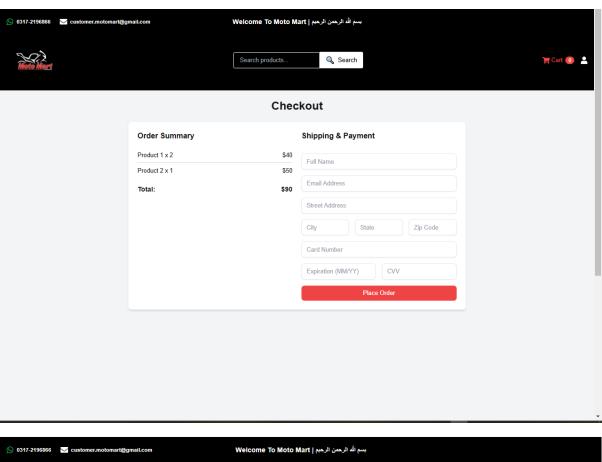


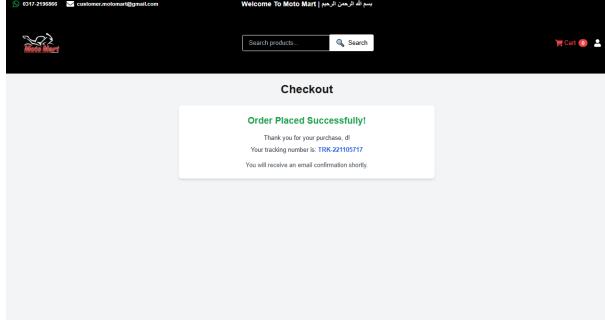


# Document Title: "Day 5 - Testing and Backend Refinement - [Moto Mart]"

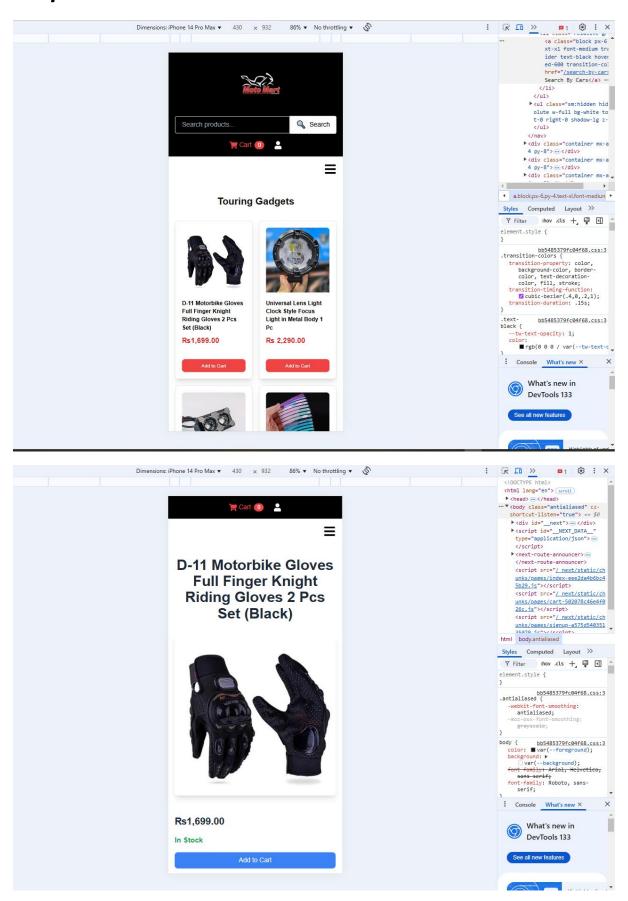
# **Functional Testing:**







# Responsiveness:



# **Testing Report:**

Test Cas e ID	Test Case Descrip tion	Test Steps	Expected Result	Actual Result	Status	Seve rity Leve I	Assi gne d To	Re ma rks	
2	TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Pass ed	Low	-	No iss ues fou nd
3	TC002	Test API error handling	Disconnect API > Refresh page	Show fallback UI with error message	Error message shown	Pass ed	Me diu m	-	Ha ndl ed gra cef ully
4	TC003	Check cart functionalit y	Add product to cart > Verify cart contents	Cart updates with added product	Cart updates as expected	Pass ed	Hig h	-	Wo rks as exp ect ed
5	TC004	Ensure responsiven ess on mobile	Resize browser window > Check layout	Layout adjusts properly to screen size	Responsive layout working as intended	Pass ed	Me diu m	-	Tes t suc ces sful

