

Dynamic Frontend Components - E-Commerce Marketplace

Marketplace Type: General E-Commerce

Functional Deliverables:

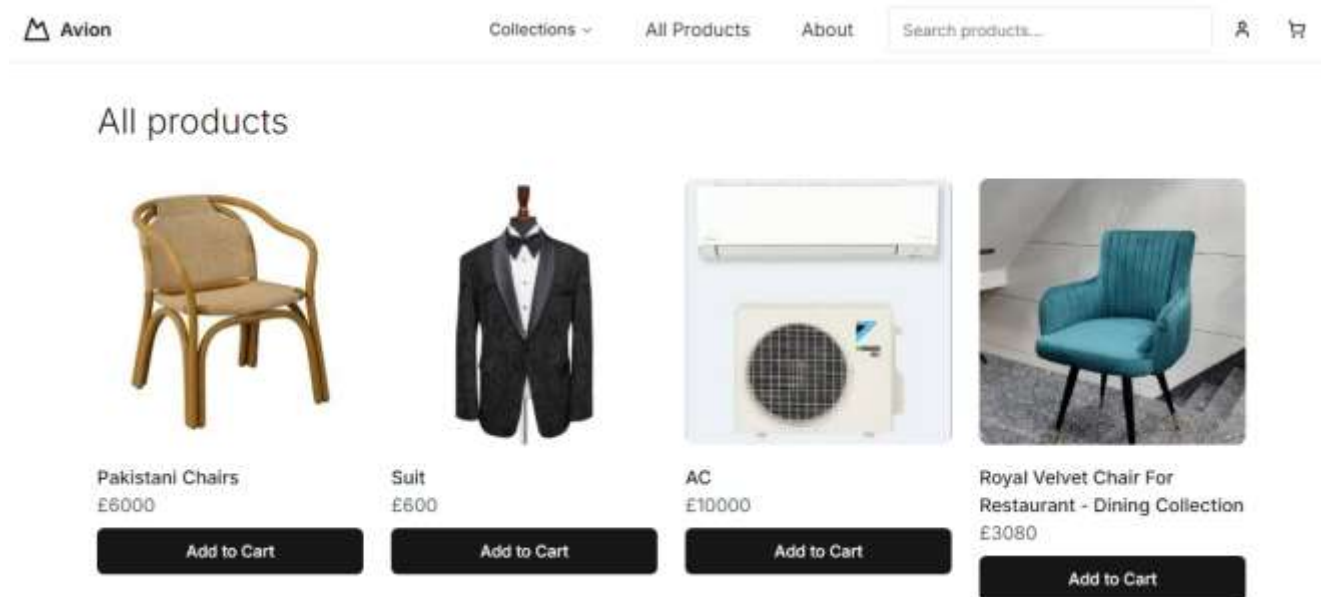
1. Product Listing Page with Dynamic Data:

The Product listing page is fully functional and dynamically fetches product data from Sanity CMS or APIs.

- **Features:**

Products are displayed with essential details such as image, title and price.

Data is rendered dynamically to ensure the page updates whenever new products are added to the CMS.



Prepared By: Syed Abdullah Zaidi
Roll No: -
Slot: Tuesday 2pm – 5pm

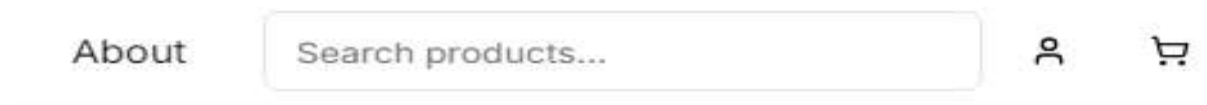
API Integration Process:

2. Search Bar:

A Search bar is integrated to filter product by name or tags.

- **Features:**

1. Real Time Search Results.
2. Case Intensive Search Functionality.



3. Responsive Styling:

All components are styled for responsiveness, ensuring a professional look across devices (mobile, tablet, desktop).
Used CSS frameworks and custom classes for a polished UI.

Challenges Faced and Solutions Implemented:

1. Fetching Data Dynamically:

Challenges: Ensuring smooth data fetching without delays.

Solution: Used asynchronous functions and proper error handling.

Best Practices Followed:

- Modular and reusable components design.
- Clean and maintainable code with proper comments.
- Efficient data fetching with proper handling.
- Responsive design principles for cross-device compatibility.

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