Day 5 – Testing and Backend Refinement –

[AuraBox]

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Slot: Tuesday (2 to 5)

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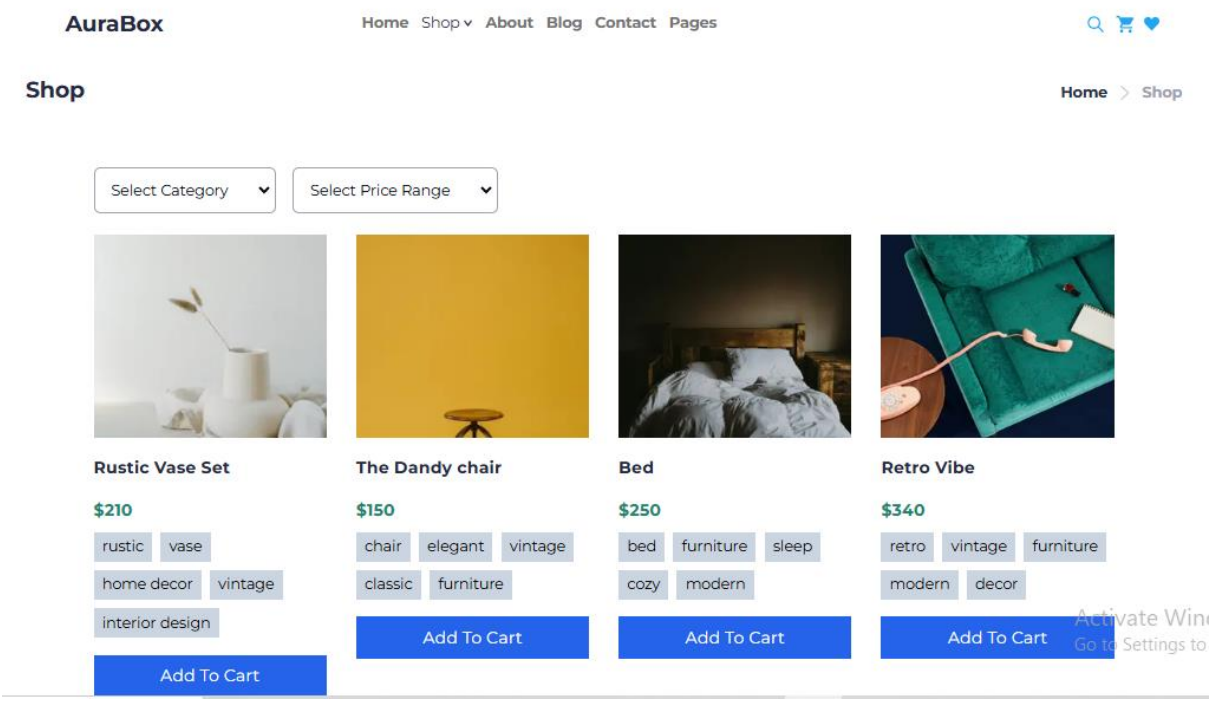
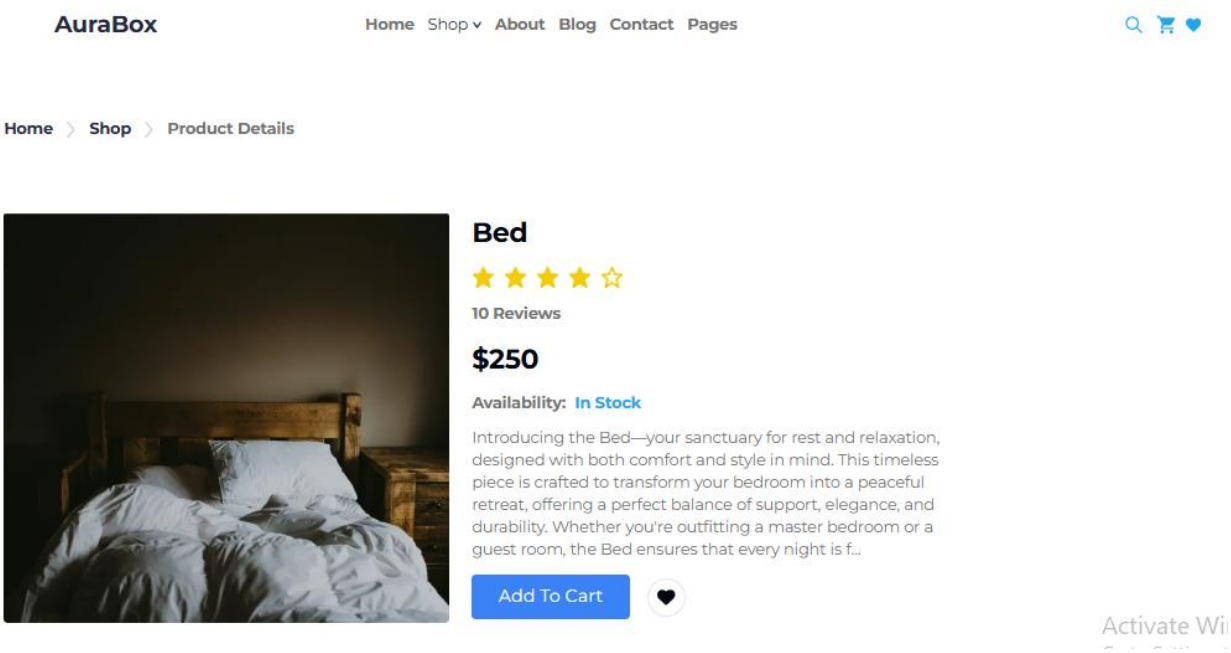
FUNCTIONAL TESTING

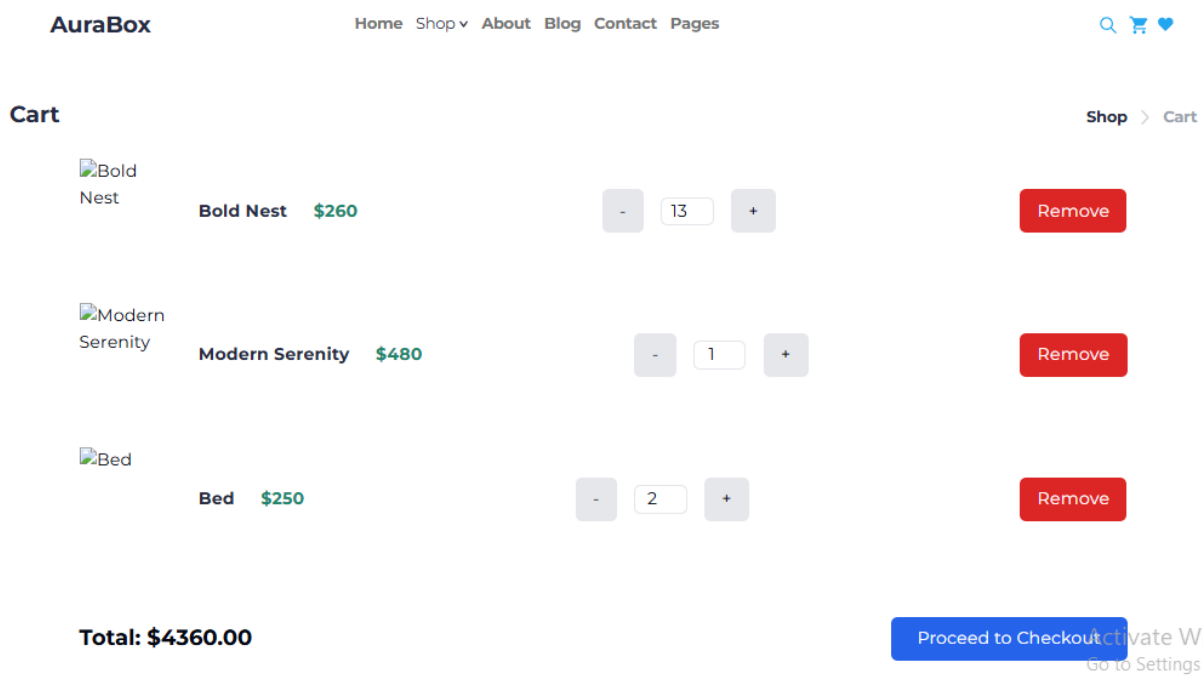
- **Product List Page**: This page displays all the products properly. It organizes them in a way that users can view them clearly and browse through the available items.



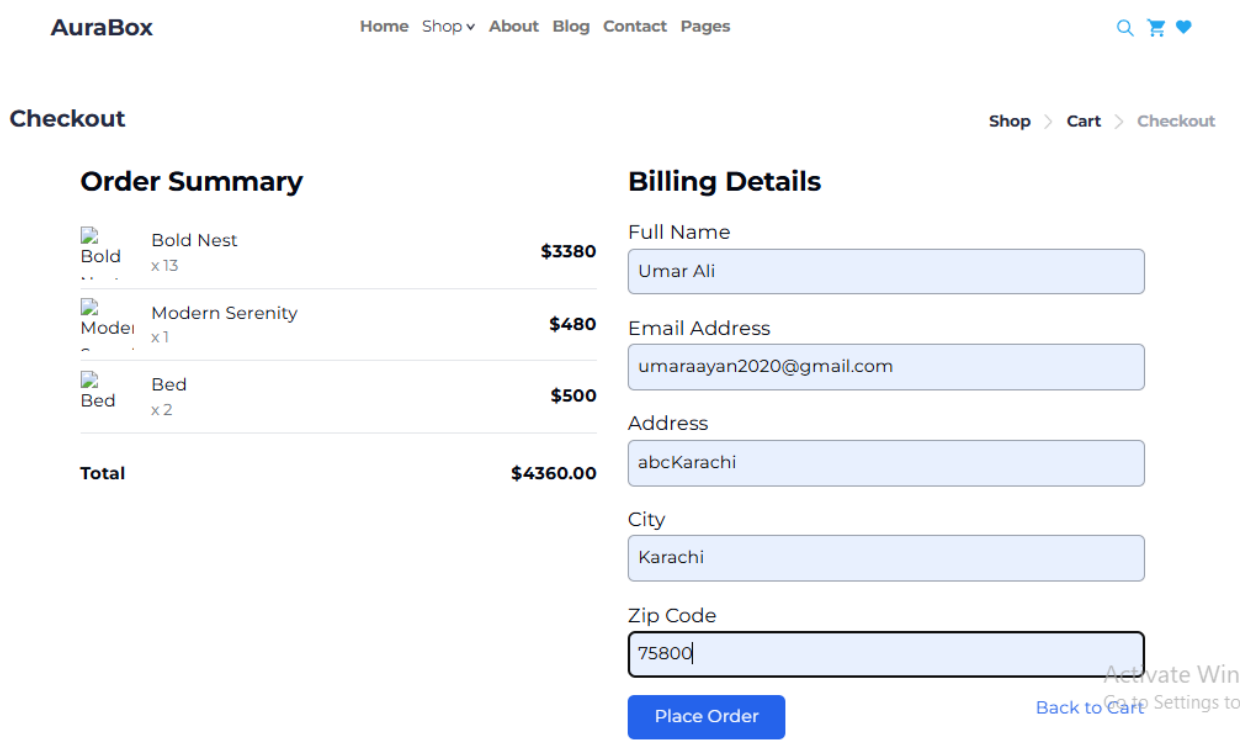
- **Product Details Page**: When a user clicks on a product, they can see all its details like price, description, and specifications. This feature is working efficiently.



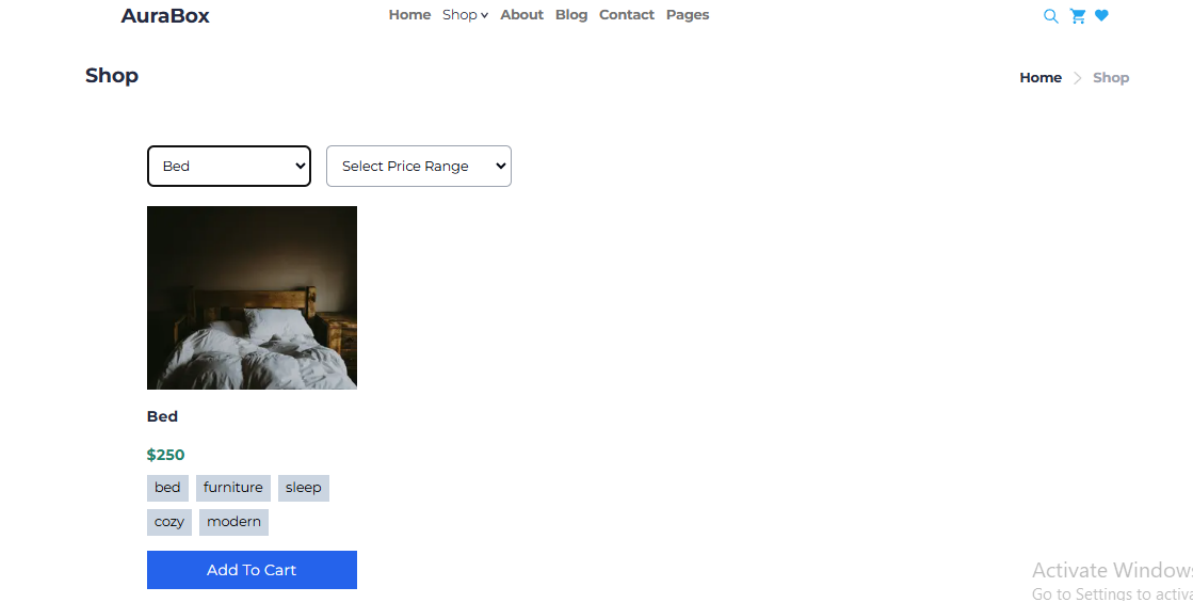
- **Cart**: Users can add products to the cart without any problems. The cart updates correctly and shows the selected items along with the total price

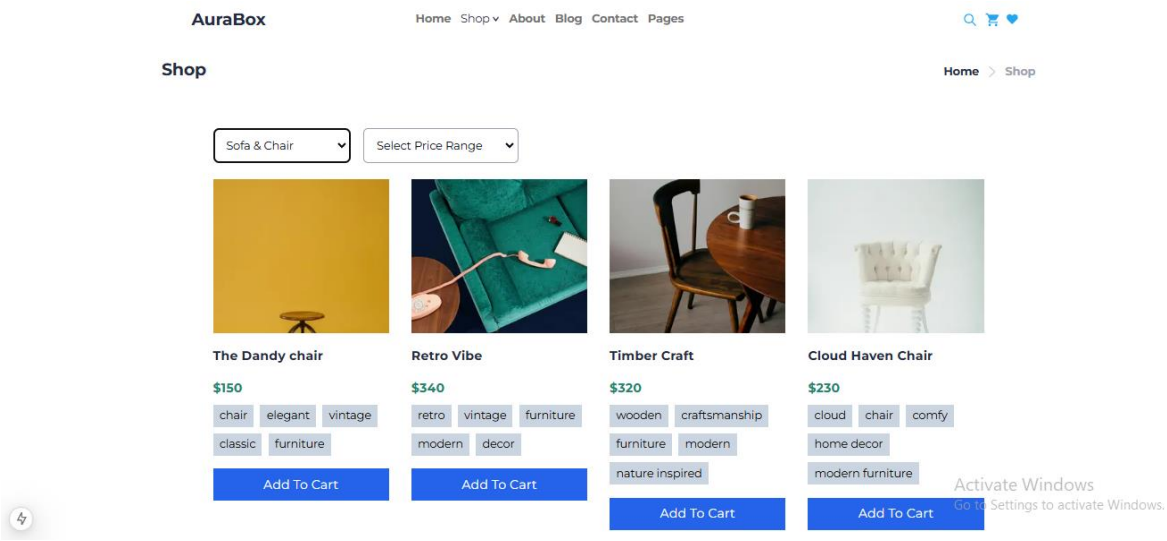


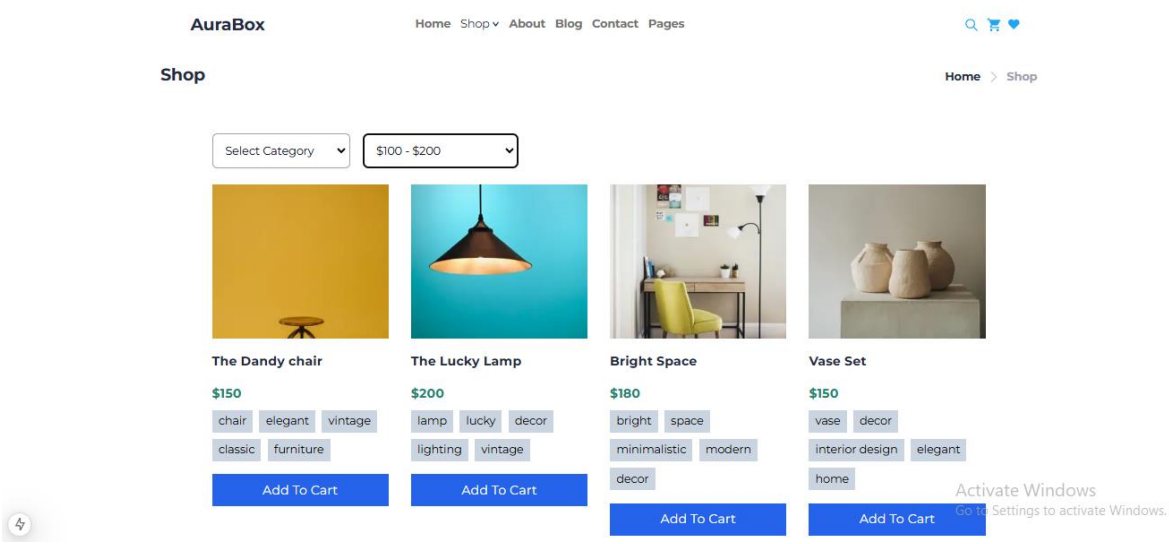
- **Checkout**: The checkout process is smooth and functional. Users can finalize their purchases easily by providing the required details.

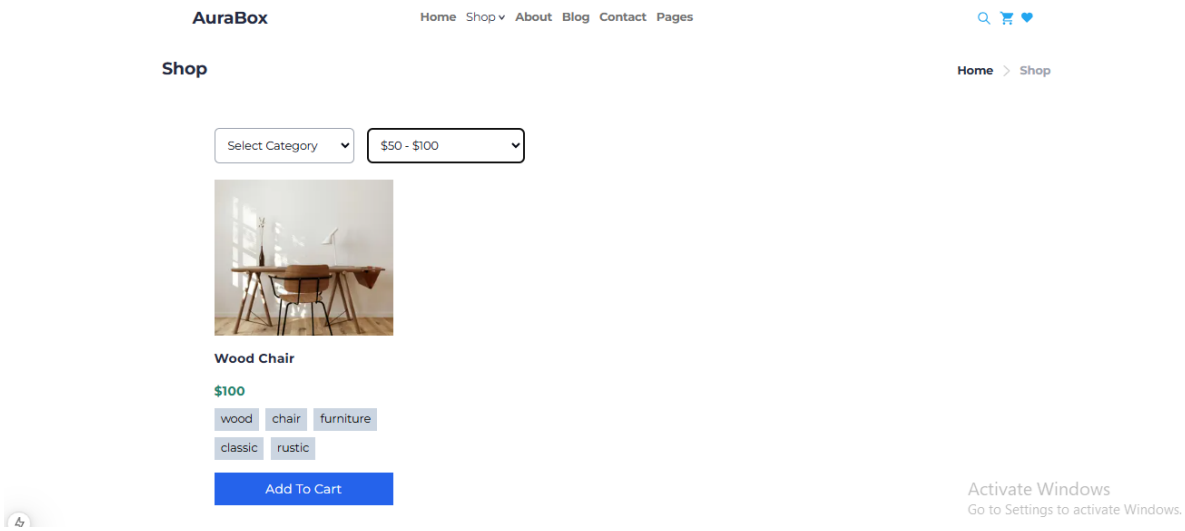


- **Filter Section**: The filter feature allows users to find specific products quickly. They can narrow down their search based on categories, price, or other criter

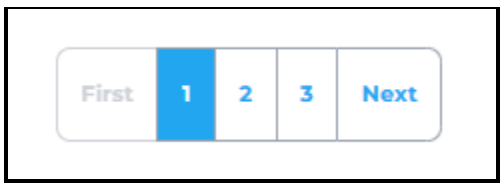






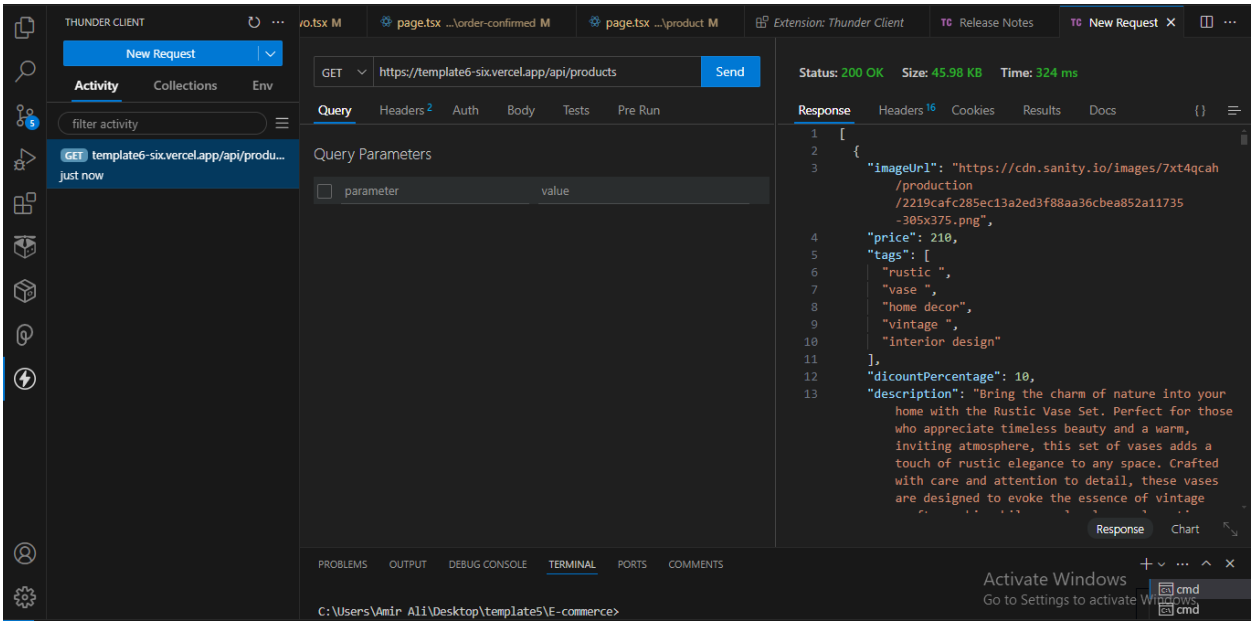


- **Pagination**: Pagination ensures that the website is easy to navigate. Users can move between pages smoothly, even when there are many products listed.



API TESTING

I tested my API using **Thunder Client** and received an **OK** response, confirming that it's working correctly.



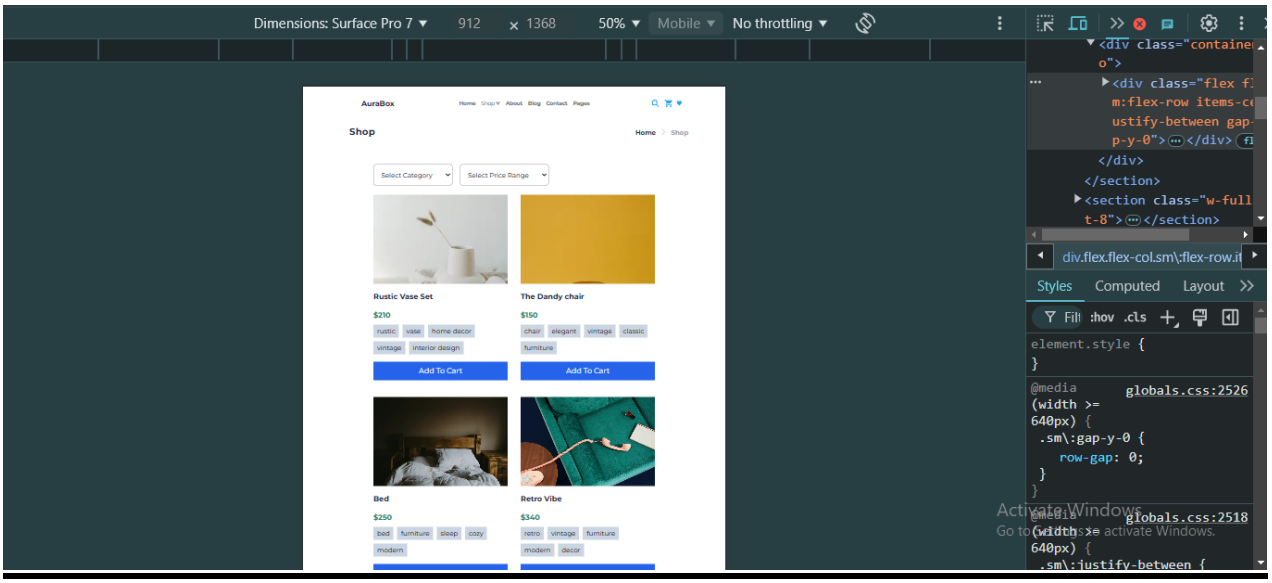
ERROR HANDLING

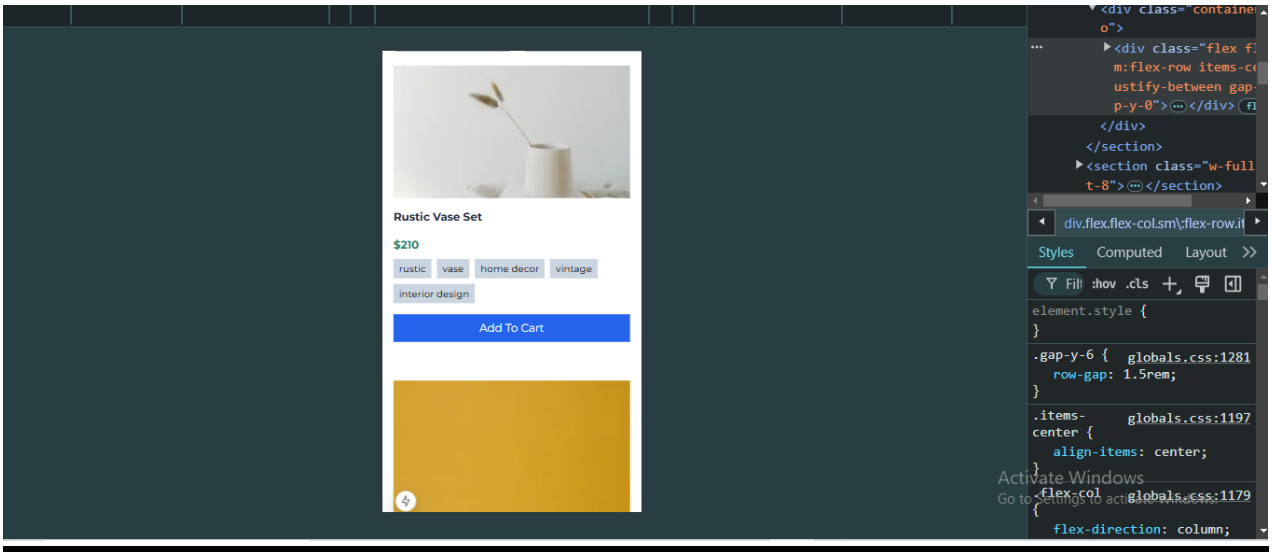
```
// Fetch products with filters
const fetchProducts = async () => {
  try {
    const categoryFilter = selectedCategory ? `&& category == "${selectedCategory}"` : "";
    const priceFilter = selectedPriceRange
      ? `&& price >= ${selectedPriceRange.split("-")[0]} && price <= ${selectedPriceRange.split("-")[1]}`
      : "";

    const query = `*[_type == "product" ${categoryFilter} ${priceFilter}]{
      _id,
      title,
      price,
      isNew,
      description,
      discountPercentage,
      productImage,
      tags
    }`;

    const data = await sanity.fetch(query);
    setProducts(data);
  } catch (error) {
    console.error("Error while fetching products:", error);
  }
};
```

Activate Windows

RESPONSIVENESS

I tested the website thoroughly on multiple devices, including a tablet, mobile, and laptop. The core functionalities, such as the product pages, cart, and checkout, worked seamlessly on all platforms without any issues.This ensures that the website is responsive and performs well across different screen sizes and devices, providing a consistent user experience.





TEST TABLE

Column1	Column2	Column3	Column4	Column5	Column6	Column7
Test ID	**Test Description**	**Test Steps**	**Result**	**Status**	**Severity level**	**Remarks**
TC001	Product List Page	Opens Product List Page > Verify Products	Product displayed	Passed	High	Works as expected
TC002	API Checking	Through Thunder Client	Status OK	Passed	High	No error found
TC003	Cart functionality	Adds products to cart > check them properly	Work as expected	Passed	Medium	Test Successful
TC004	Responsiveness	Checks on multiple devices	Great !	Passed	Low	Test Successful
TC005	Filter Method	Use filter methods multiple times	As expected	Passed	Medium	Handled gacefully
TC006	Pagination	Use pagination on across devices	Worked	Passed	High	No error found
TC007	Search Bar	Use it	Not worked	Fail	Low	Error