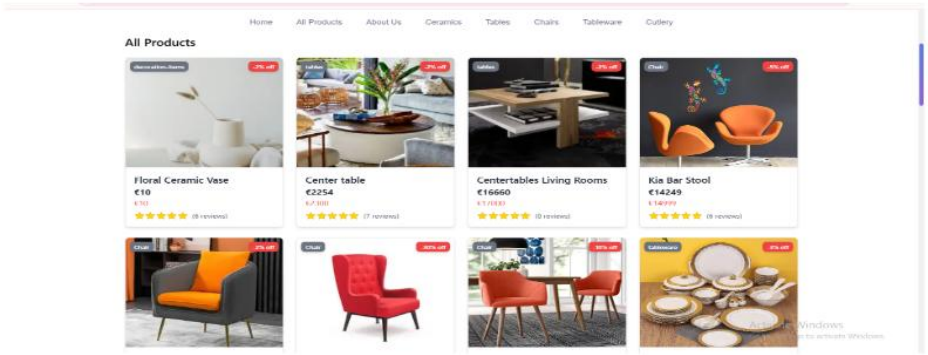
Step-01 Initialization and Testing

Test Core Features:

Checked Product Display on Homepage
Opened the homepage in the browser to ensure that the products are being displayed properly



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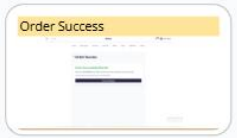

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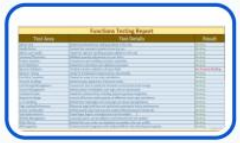

Functions Testing Report

Test Area	Test Details	Result
Add to Cart	Verified functionality for adding products to the cart.	Working
Handle Delete	Checked the removal of products from the cart.	Working
Add to Cart Handle	Tested the logic for handling product addition to the cart	Working
Increment/Decrement	Validated quantity adjustments for cart items	Working
Product Quantity	Ensured accurate handling of product quantities.	Working
Form Submition	Tested form submission and validation processes.	Working
Dynamic Validation	Verified real-time validation of input fields	Not Properly Working
Dynamic Testing	Tested UI and backend responsiveness dynamically.	Working
Cart Price Caculation	Checked accuracy of cart price calculations.	Working
Discount Handling	Verified proper application of discount codes.	Working
Local Storage Management	Ensured cart data is saved and retrieved correctly from local storage	Working
Session Management	Verified session handling for user login and cart persistence.	Working
Checkout Process	Tested the checkout flow, including payment gateway integration.	Working
Responsive Design	Ensured all features work properly on different screen sizes and devices.	Working
Error Handling	Verified that meaningful error messages are shown during failures.	Working
Page Loading Performance	Measured page load time and optimized rendering for better performance.	Working
Search Functionality	Verified search input and accurate product filtering based on keywords.	Working
User Authentication	Tested login, logout, and registration functionalities.	Working
Wishlist Management	Ensured products can be added to and removed from the wishlist.	Working
Order History	Verified that past orders are displayed accurately in the user profile.	Working
API Integration	Checked smooth integration with backend APIs for data fetching and updates	Working

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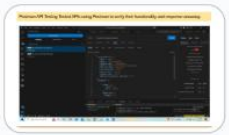

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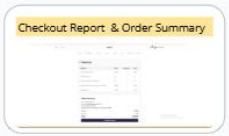

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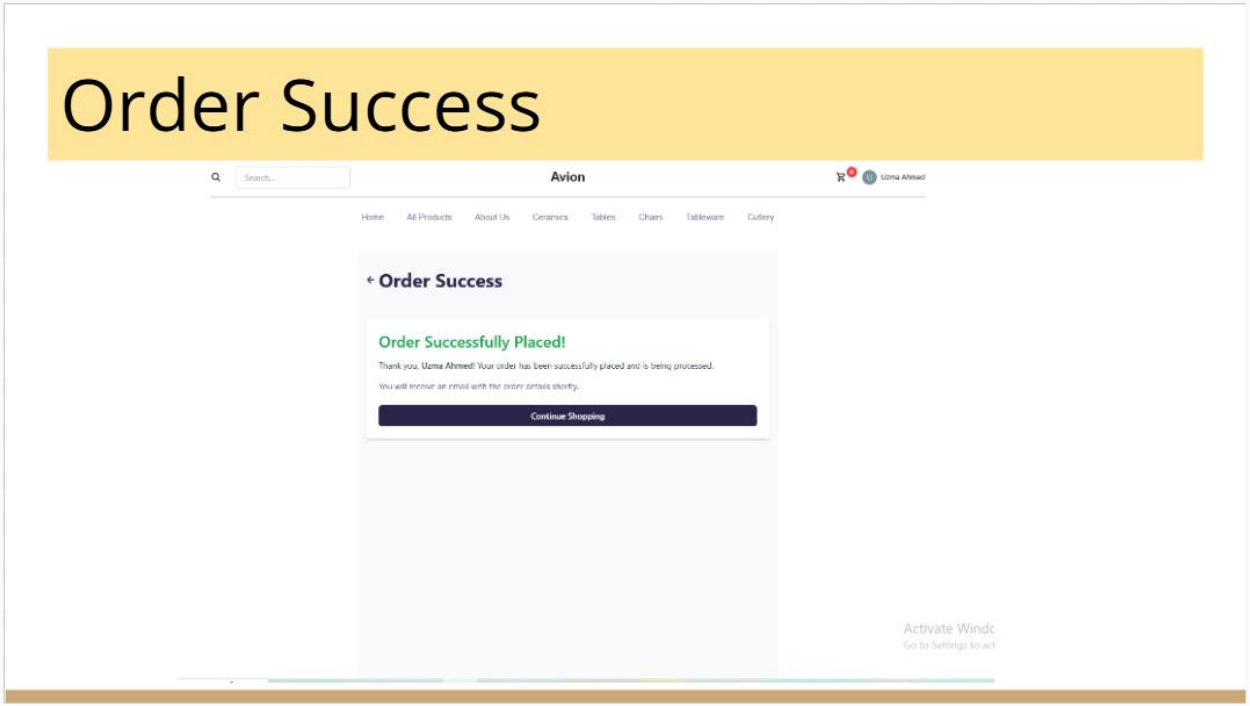
Order Success



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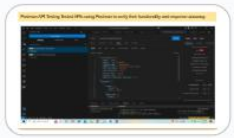

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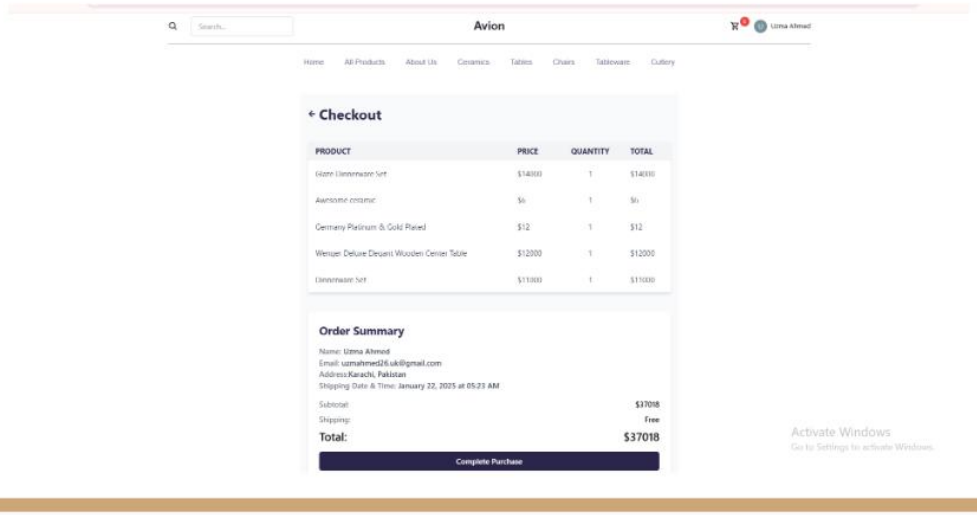
Checkout Report & Order Summary



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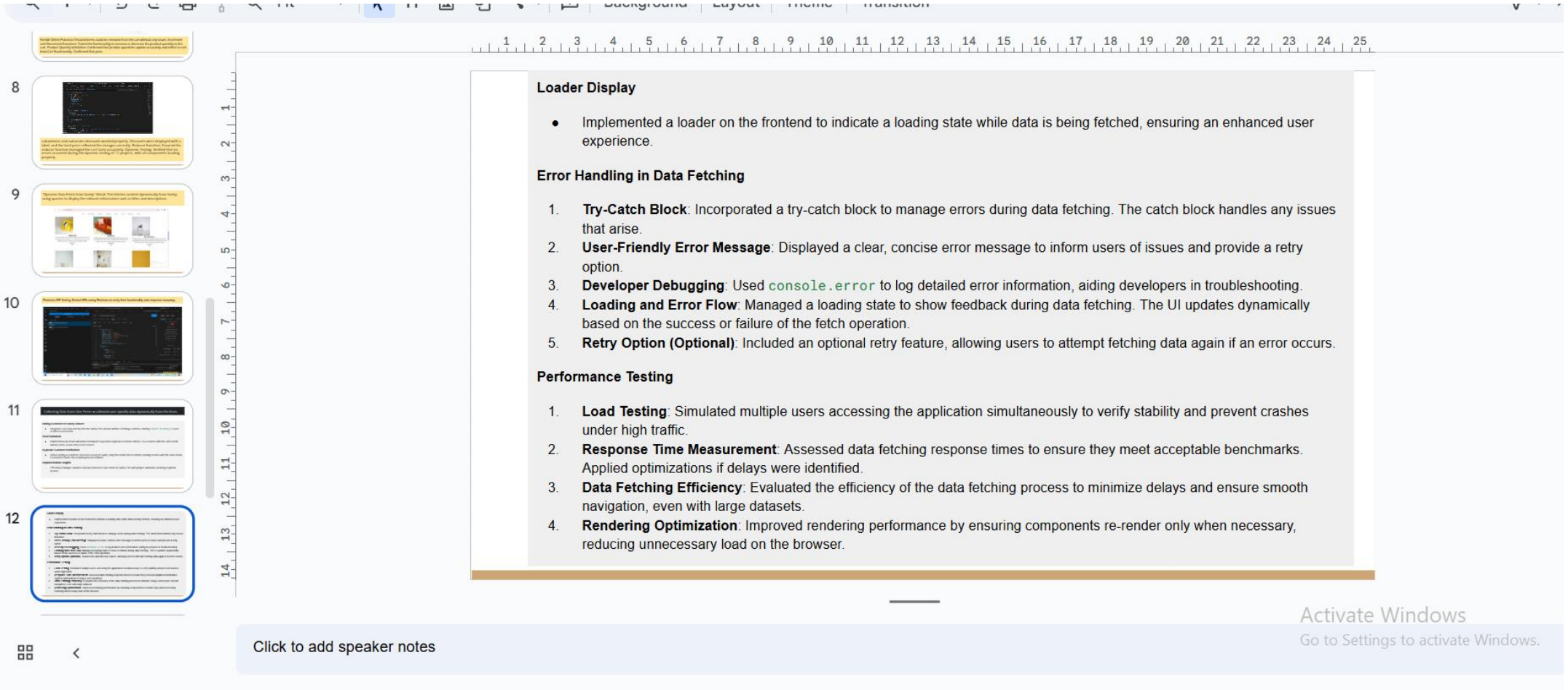

Loader Display

- Implemented a loader on the frontend to indicate a loading state while data is being fetched, ensuring an enhanced user experience.

Error Handling in Data Fetching

1. **Try-Catch Block**: Incorporated a try-catch block to manage errors during data fetching. The catch block handles any issues that arise.
2. **User-Friendly Error Message**: Displayed a clear, concise error message to inform users of issues and provide a retry option.
3. **Developer Debugging**: Used `console.error` to log detailed error information, aiding developers in troubleshooting.
4. **Loading and Error Flow**: Managed a loading state to show feedback during data fetching. The UI updates dynamically based on the success or failure of the fetch operation.
5. **Retry Option (Optional)**: Included an optional retry feature, allowing users to attempt fetching data again if an error occurs.

Performance Testing

1. **Load Testing**: Simulated multiple users accessing the application simultaneously to verify stability and prevent crashes under high traffic.
2. **Response Time Measurement**: Assessed data fetching response times to ensure they meet acceptable benchmarks. Applied optimizations if delays were identified.
3. **Data Fetching Efficiency**: Evaluated the efficiency of the data fetching process to minimize delays and ensure smooth navigation, even with large datasets.
4. **Rendering Optimization**: Improved rendering performance by ensuring components re-render only when necessary, reducing unnecessary load on the browser.

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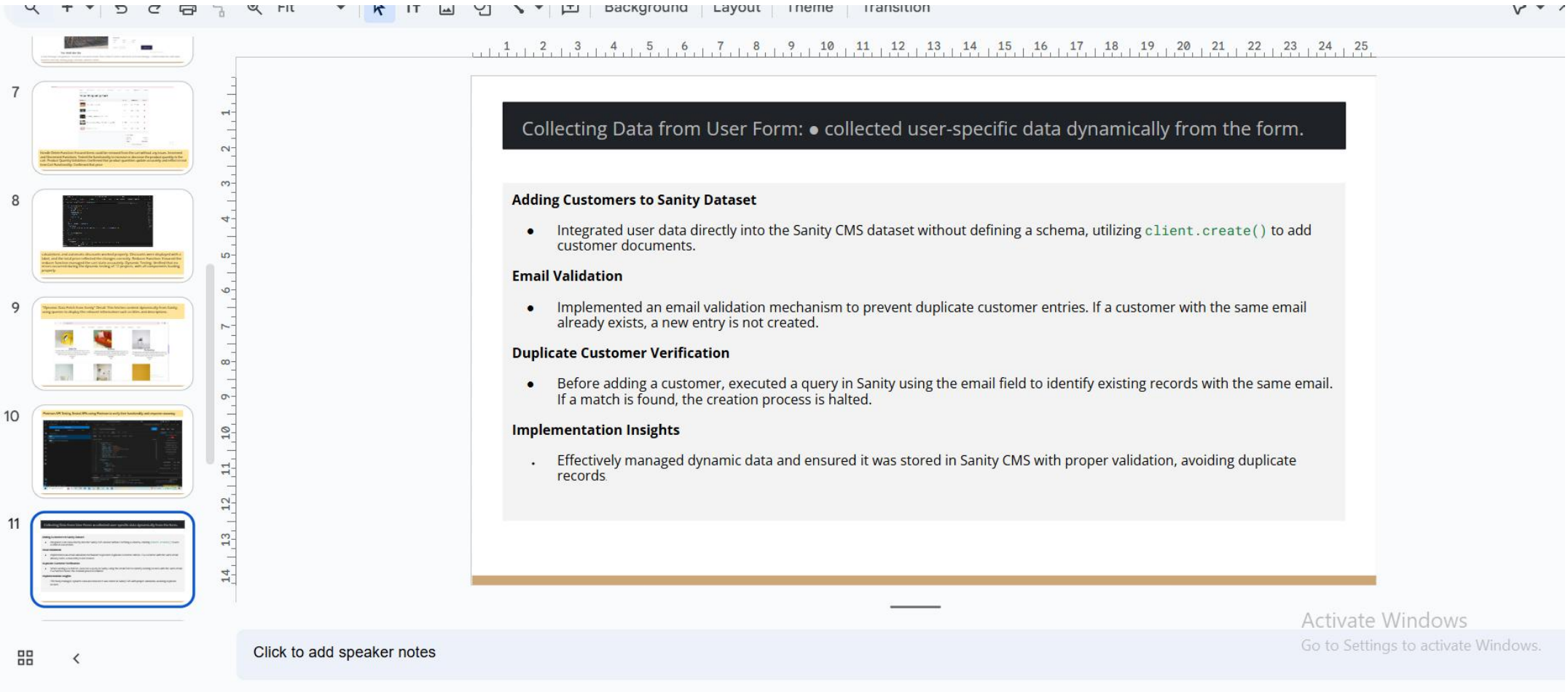

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File Edit View Insert Format Slide Arrange Tools Extensions Help

Fit | Background | Layout | Theme | Transition

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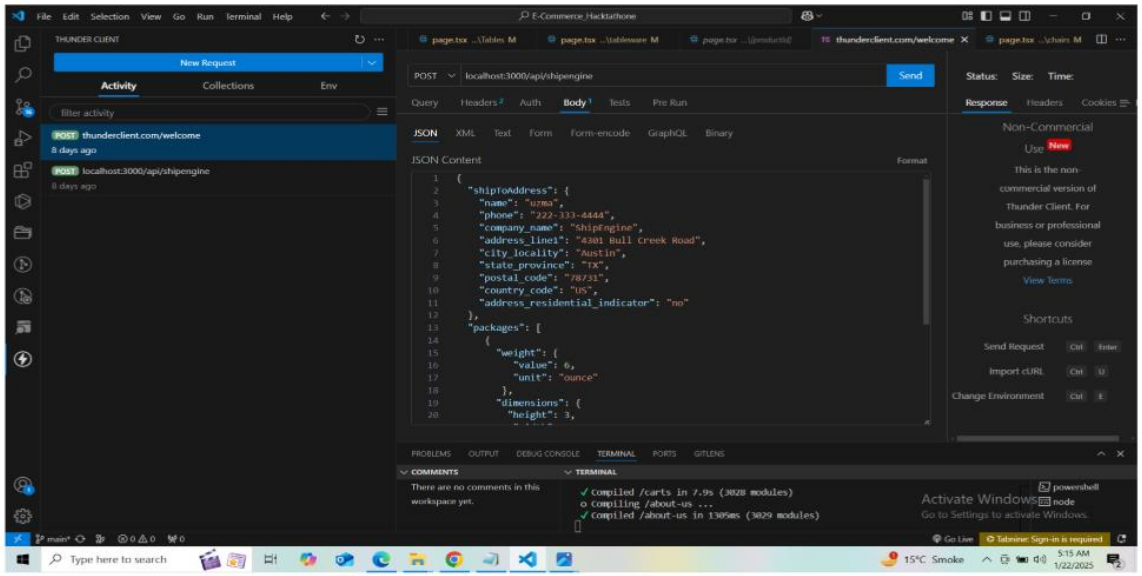
Postman API Testing Tested APIs using Postman to verify their functionality and response accuracy.



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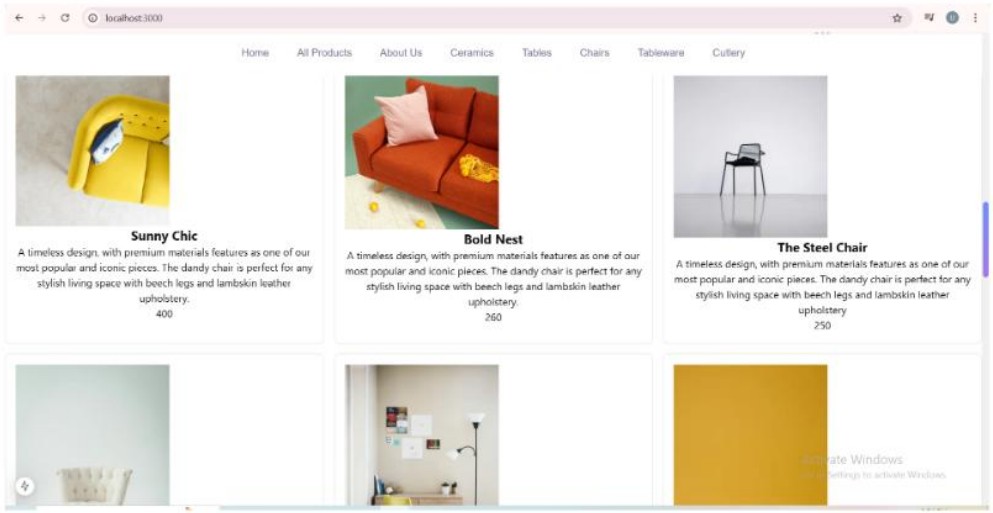
"Dynamic Data Fetch from Sanity" Detail: This fetches content dynamically from Sanity, using queries to display the relevant information such as titles and descriptions.



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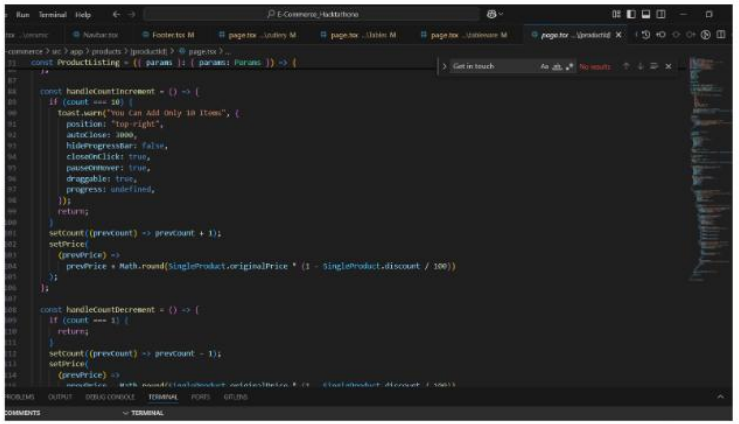

calculations and automatic discounts worked properly. Discounts were displayed with a label, and the total price reflected the changes correctly. Reducer Function: Ensured the reducer function managed the cart state accurately. Dynamic Testing: Verified that no errors occurred during the dynamic testing of 12 projects, with all components loading properly.

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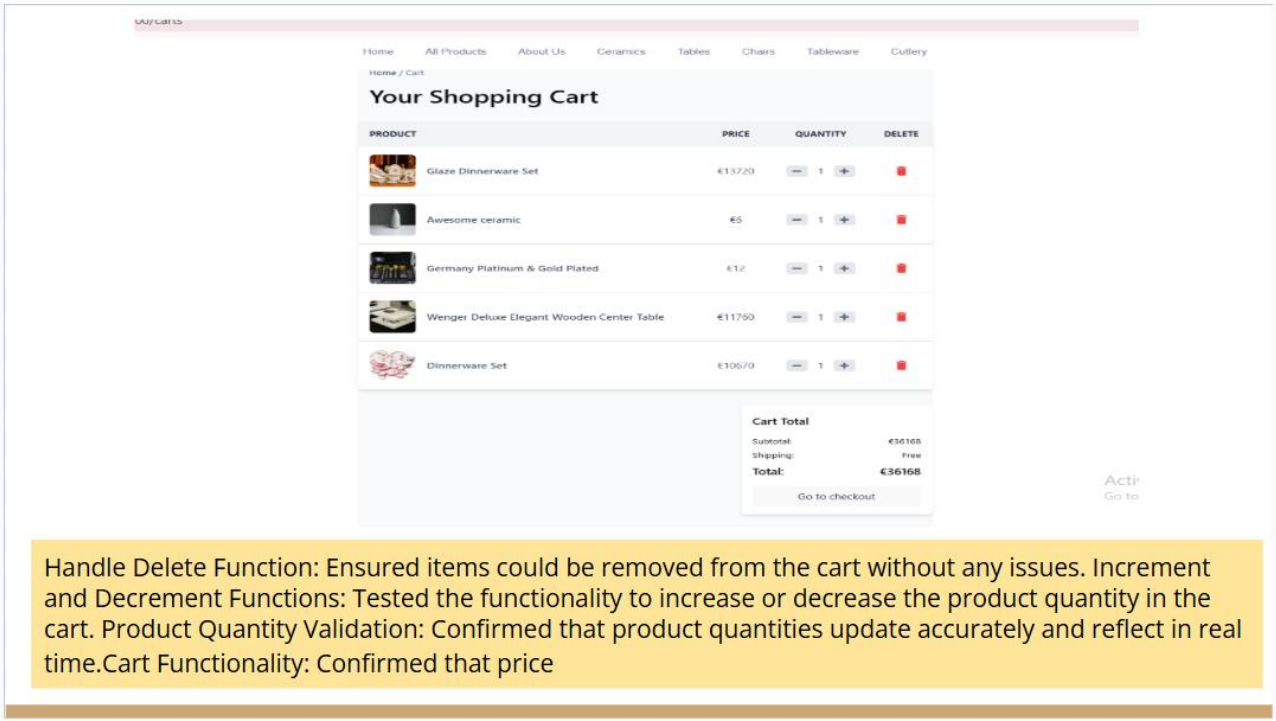

Handle Delete Function: Ensured items could be removed from the cart without any issues. Increment and Decrement Functions: Tested the functionality to increase or decrease the product quantity in the cart. Product Quantity Validation: Confirmed that product quantities update accurately and reflect in real time.Cart Functionality: Confirmed that price

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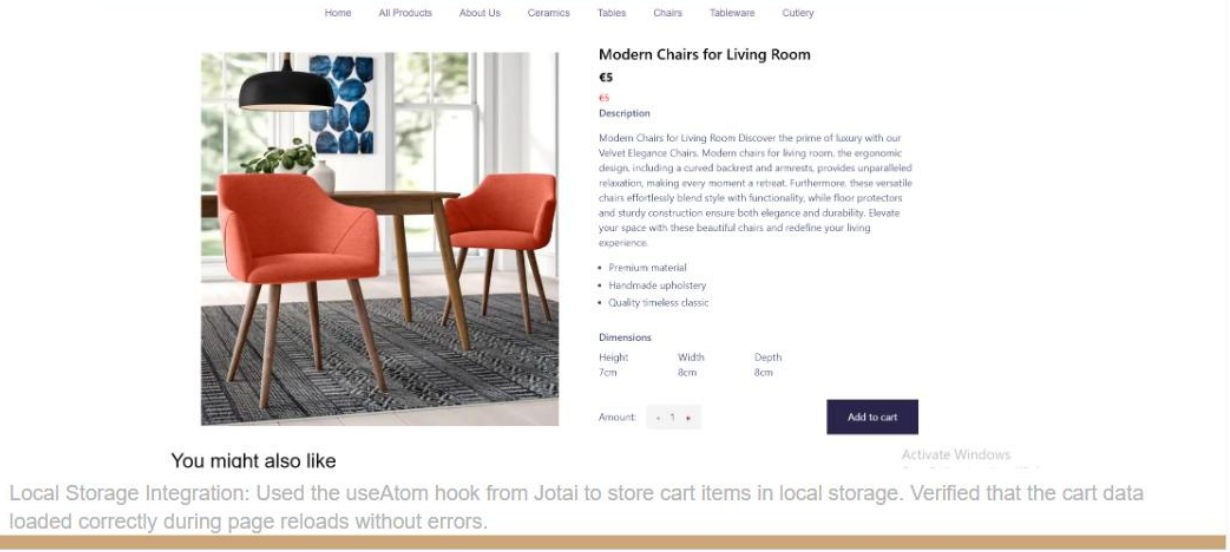
Add to Cart Function: Verified that clicking the "Add to Cart" button successfully adds items to the cart.



Local Storage Integration: Used the useAtom hook from Jotai to store cart items in local storage. Verified that the cart data loaded correctly during page reloads without errors.

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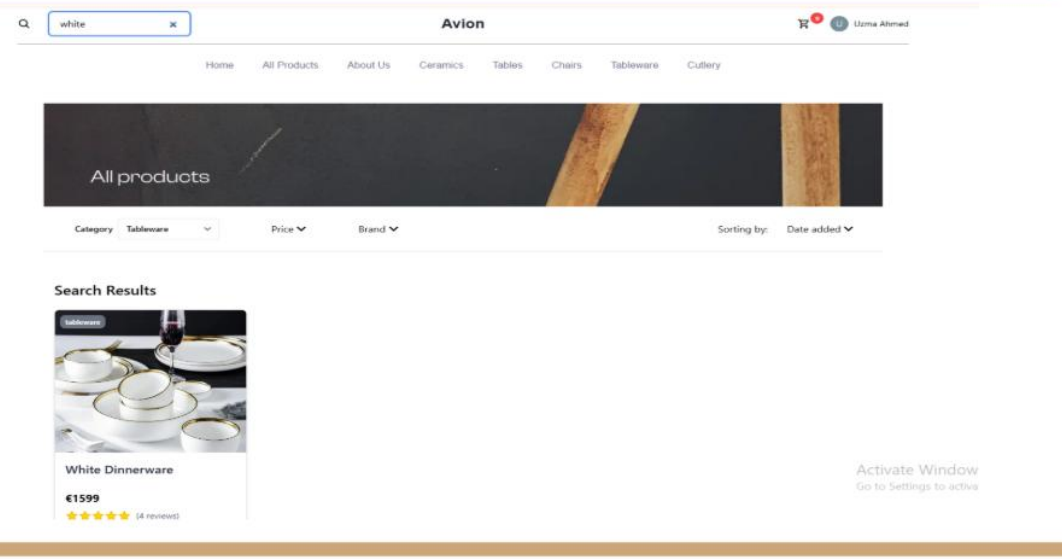
Filters and Search Functionality Testing



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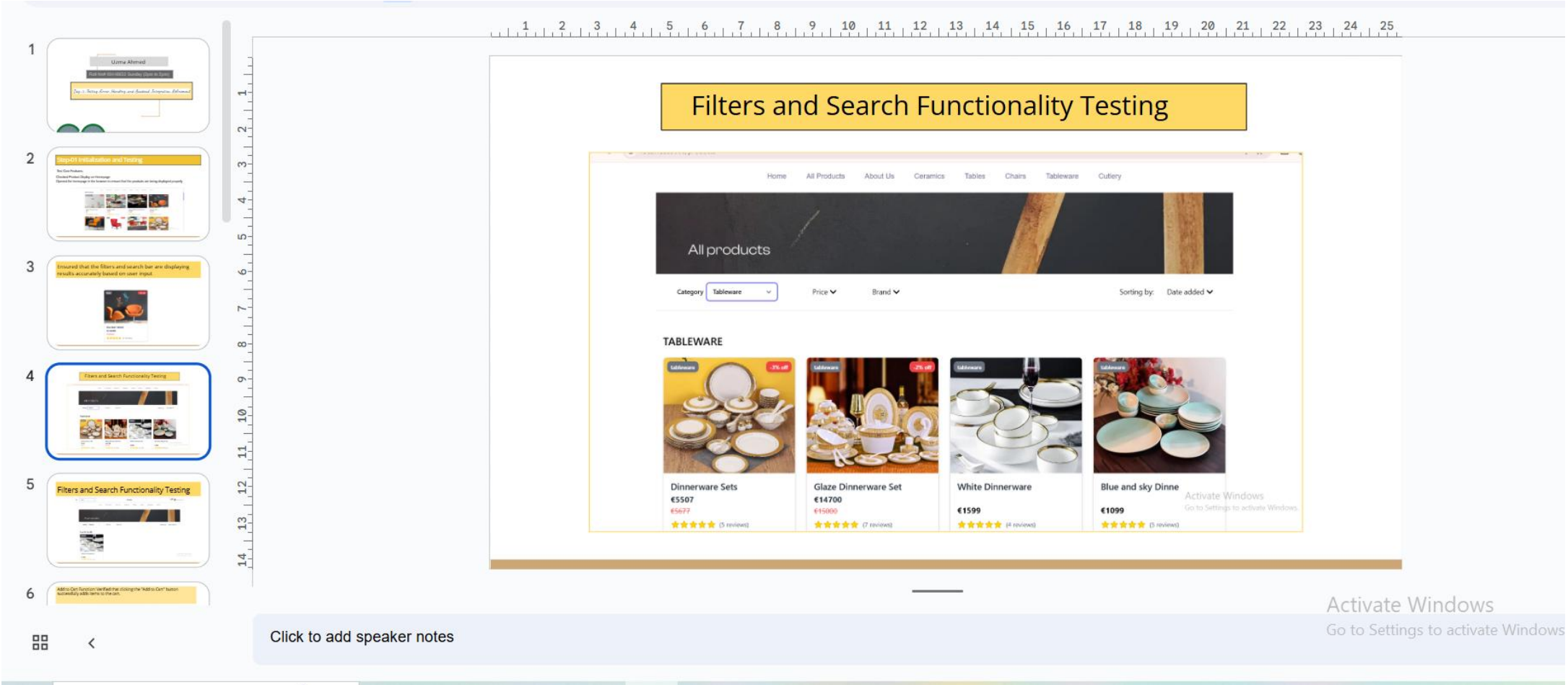
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All Products
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Ceramics
Tables
Chairs
Tableware
Cutlery
All products
Category
Tableware
Price
Brand
Sorting by:
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Glaze Dinnerware Set
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White Dinnerware
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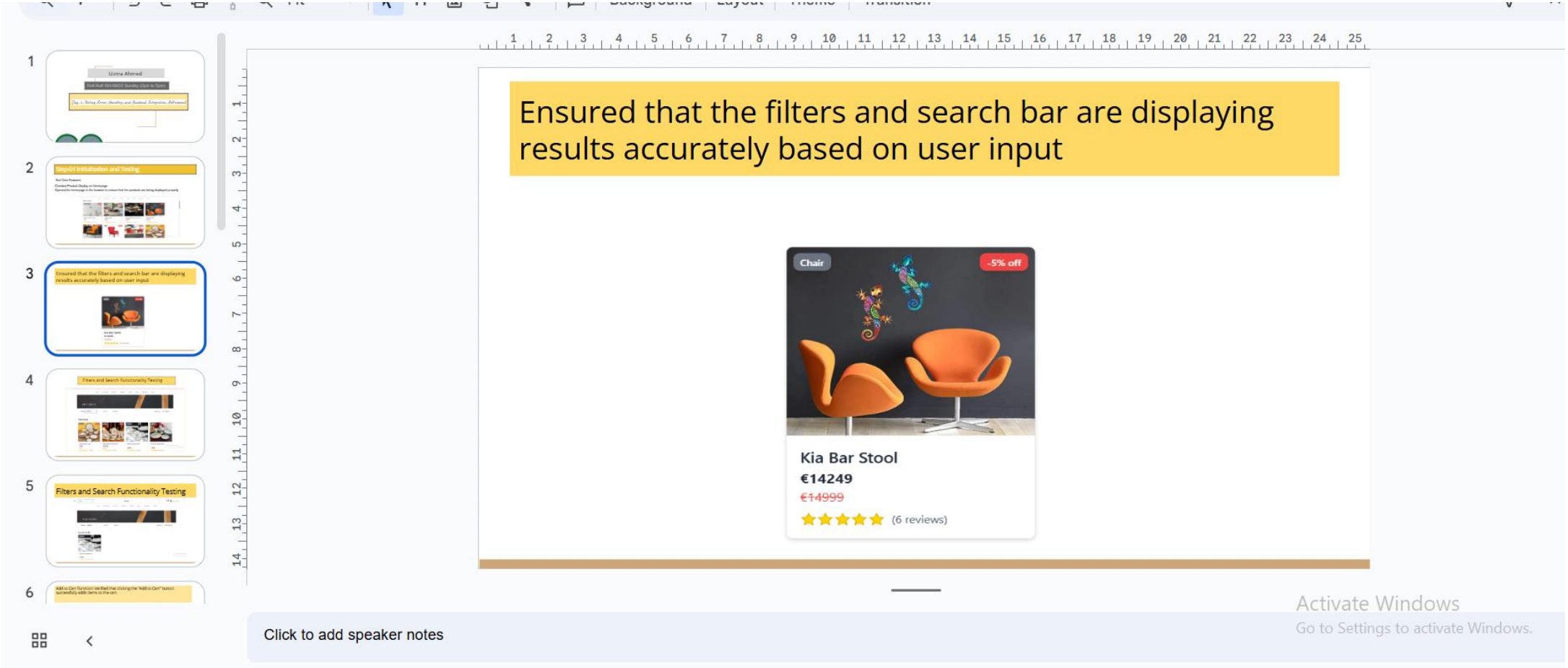
Ensured that the filters and search bar are displaying results accurately based on user input
Chair
-5% off
Kia Bar Stool
€14249
€14999
(6 reviews)
Filters and Search Functionality Testing
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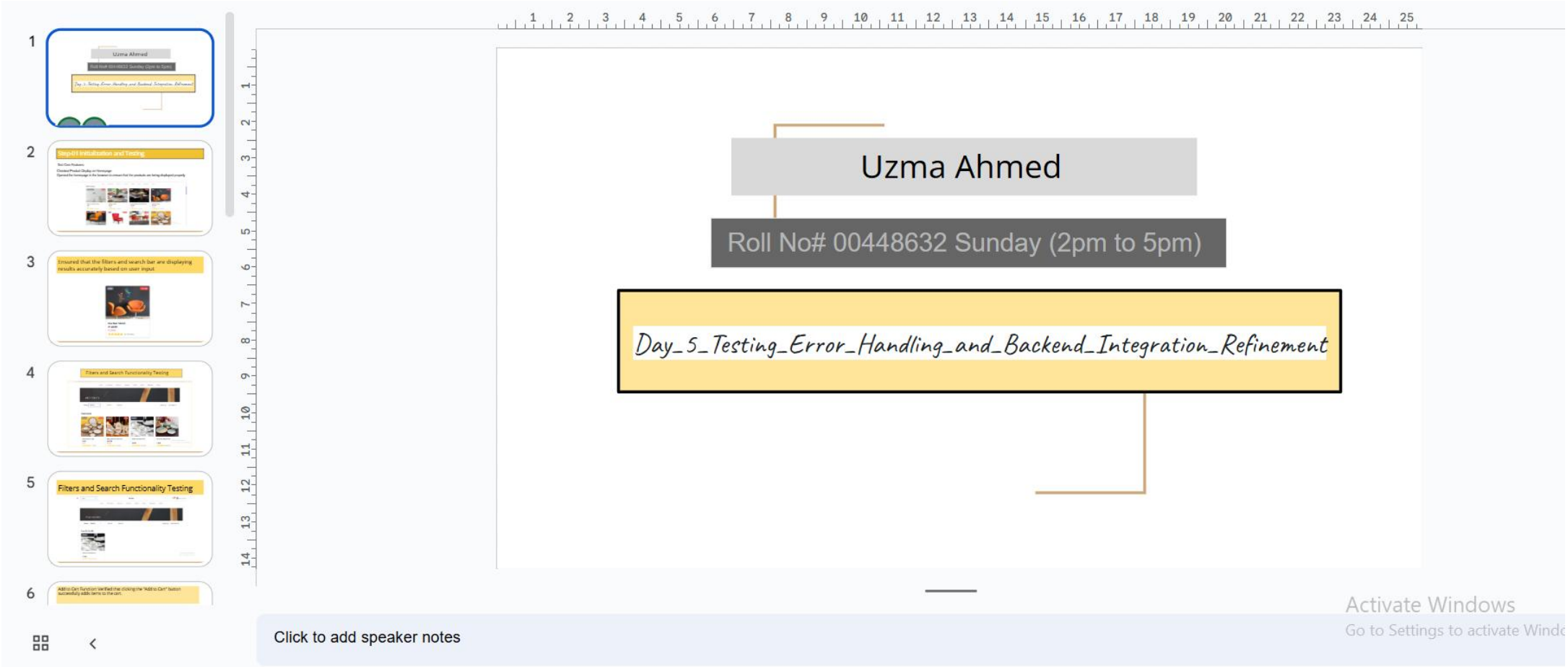
Uzma Ahmed
Roll No# 00448632 Sunday (2pm to 5pm)
Day_5_Testing_Error_Handling_and_Backend_Integration_Refinement
Step-01 Initialization and Testing
Ensured that the filters and search bar are displaying results accurately based on user input.
Filters and Search Functionality Testing
Filters and Search Functionality Testing
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Go to Settings to activate Windo