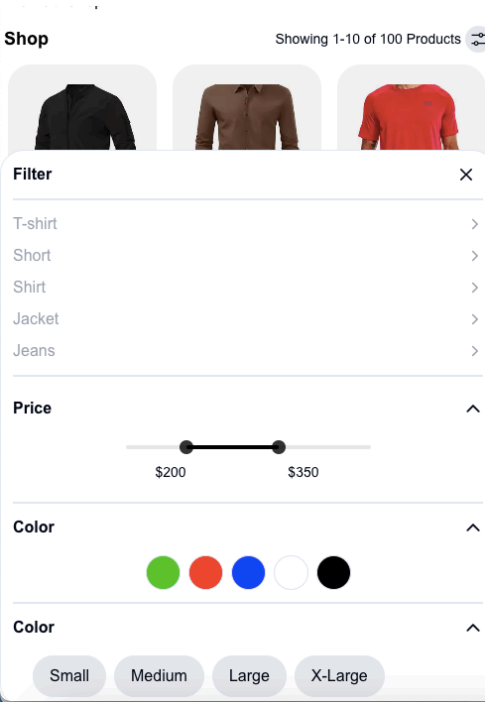
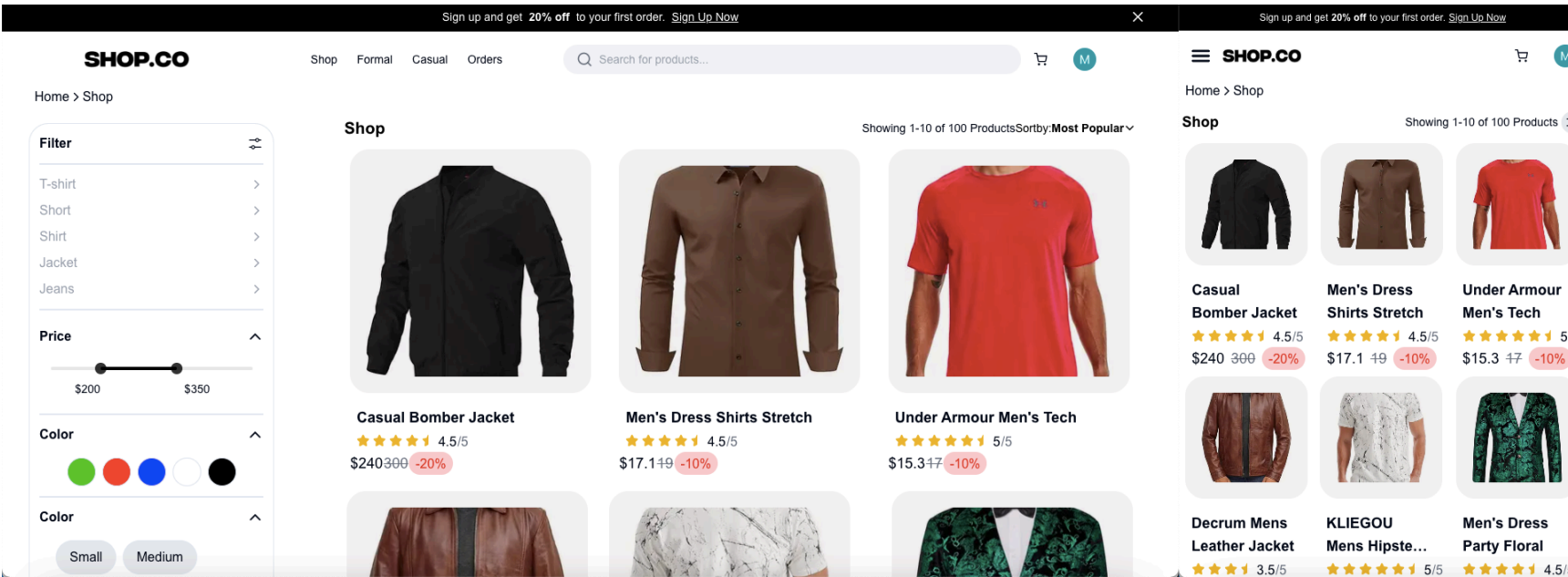
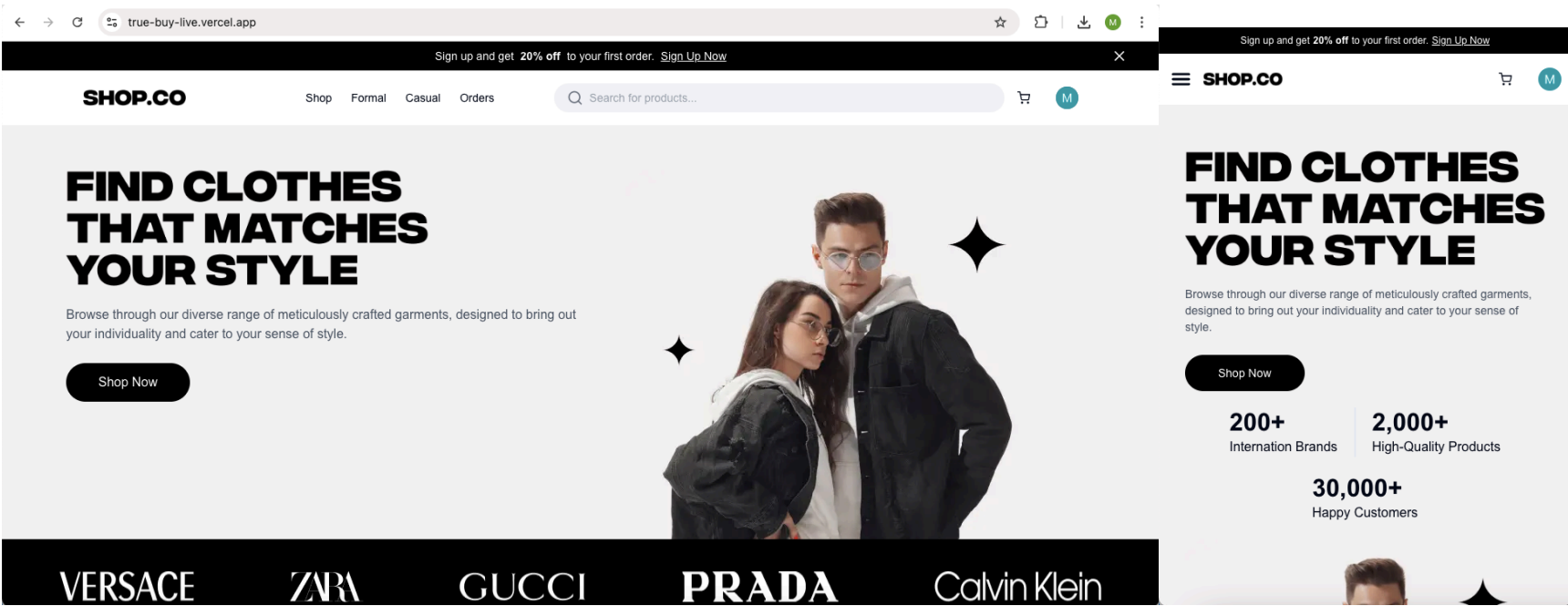


Day 5 – Testing and Backend Refinement – True Buy

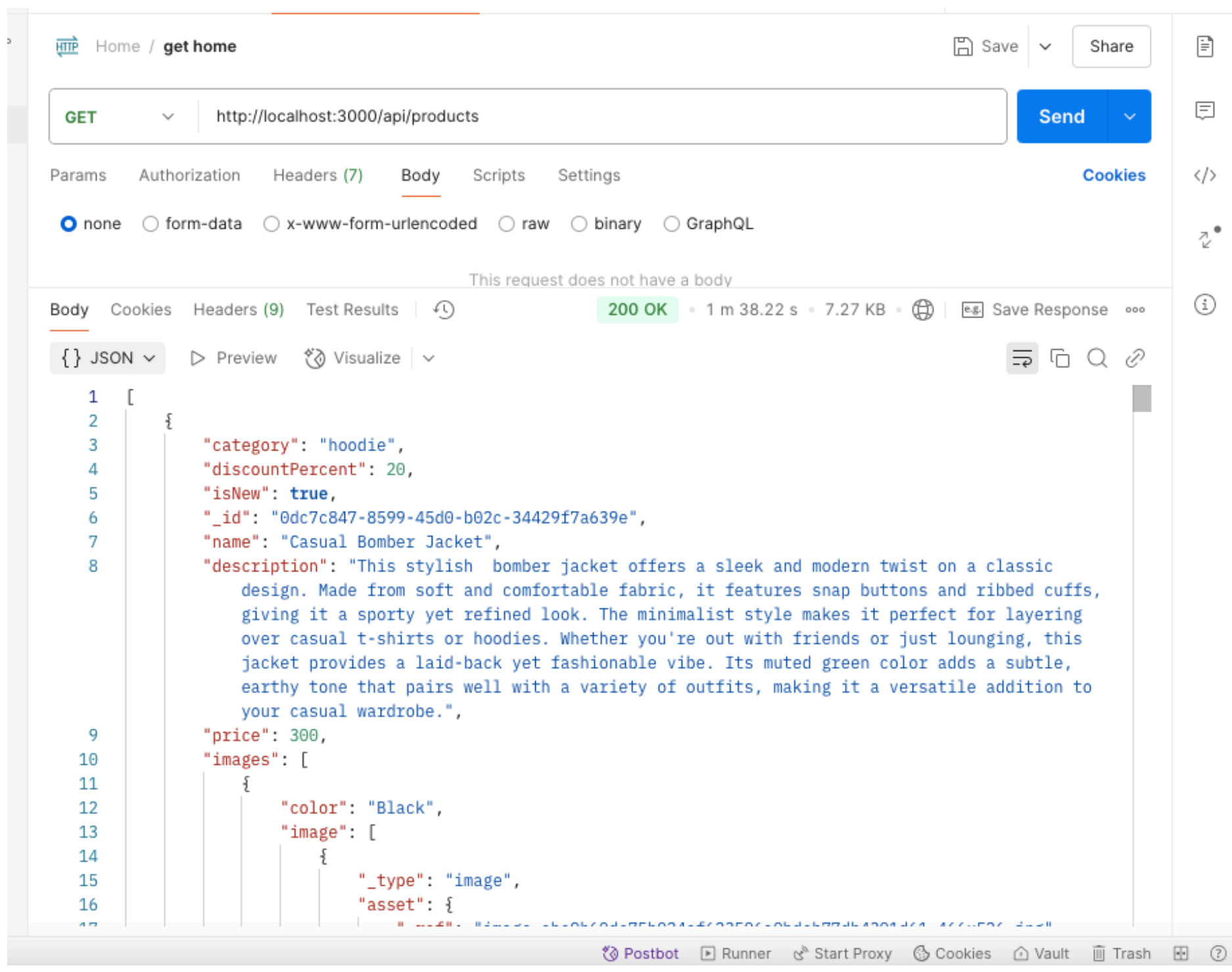
Functional Deliverables

Screenshots:



- Functional and responsive components.

- Logs or reports from testing tools (e.g. Postman).



Testing Report

Refer to the CSV report file for the detailed test cases, which include:

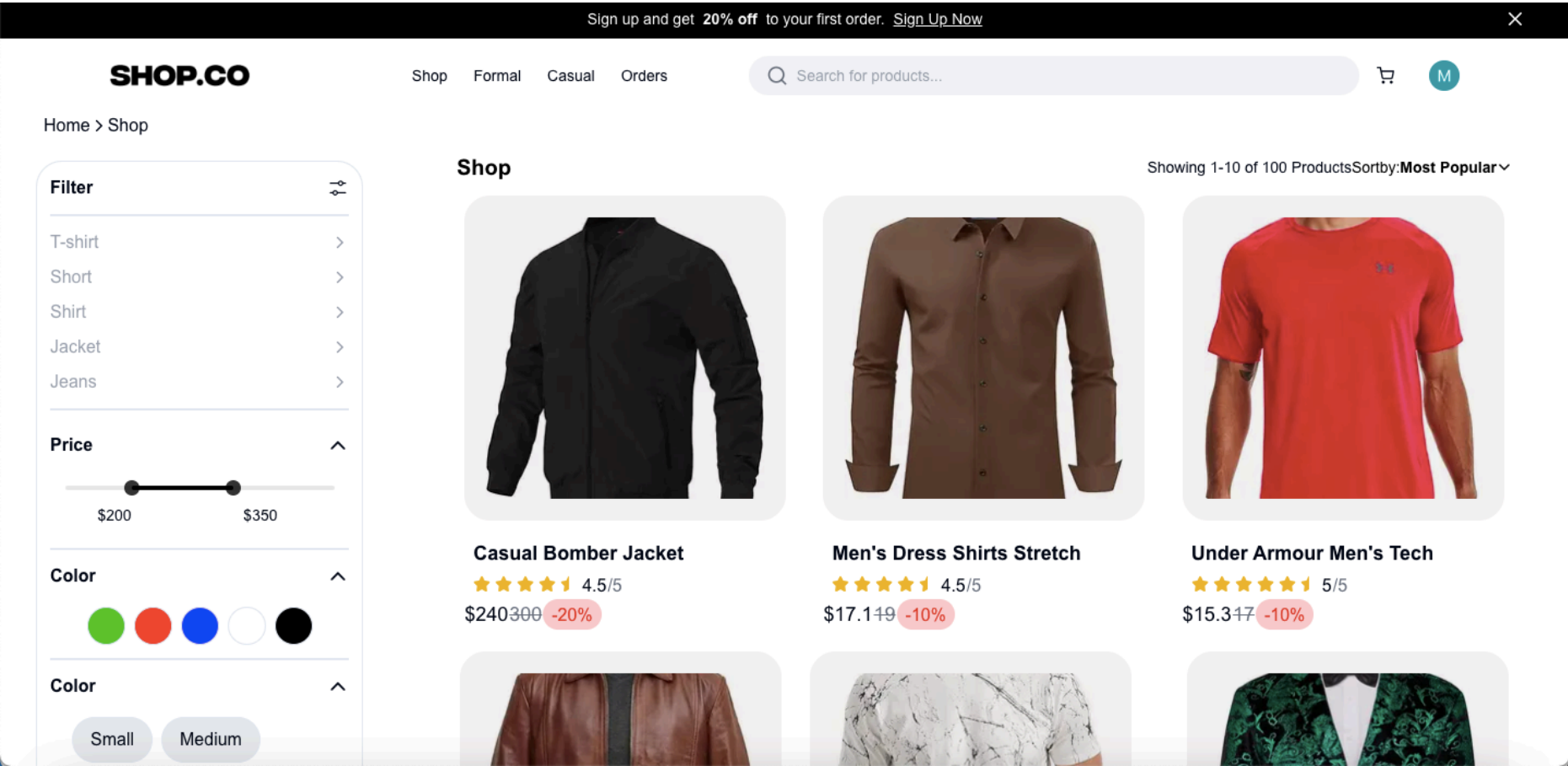
- **Test Case ID**: A unique identifier for each test case.
- **Test Case Description**: A concise explanation of what is being tested.
- **Test Steps**: Step-by-step procedure to execute the test case.
- **Expected Result**: The anticipated outcome of the test case.
- **Actual Result**: The observed outcome of the test case.
- **Status**: Marked as "Passed," "Failed," or "Skipped."
- **Severity Level**: Issues categorized as High, Medium, or Low.
- **Assigned To**: Name of the person responsible for fixing issues (if applicable).
- **Remarks**: Additional notes or comments for clarity.
- The testing report has been submitted in CSV format, as per the provided structure.

Documentation

Test Cases Executed and Their Results

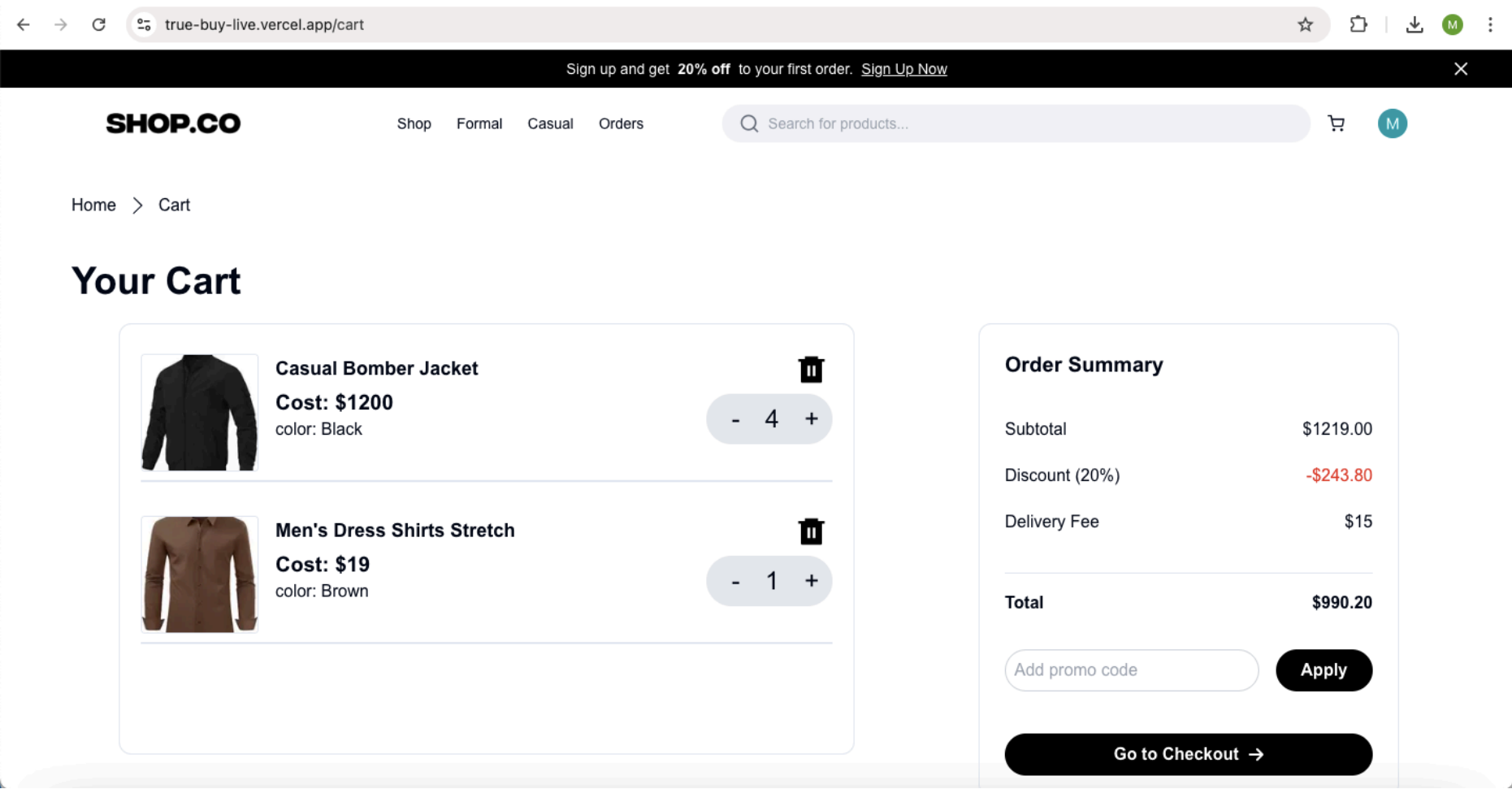
1. Product Listing Functionality :

- **Status** : Passed
- **Details** : Successfully fetched product data from Sanity API and displayed it on the website .



2. Cart Functionality :

- **Status** : Passed
- **Details** : Implemented using local storage; products are successfully added to the cart and persist between sessions .



3. Checkout Process:

- **Status**: Failed (In Progress)
- **Details**: Currently non-functional but under refinement.

Order Form

Full Name

Phone

Address

City

Country

ZIP Code

Submit Order

4. Search Functionality:

- **Status**: Partial Success
- **Details**: Basic search functionality works but needs improvement in accuracy.



Shop Formal Casual Orders

Q mens|

7



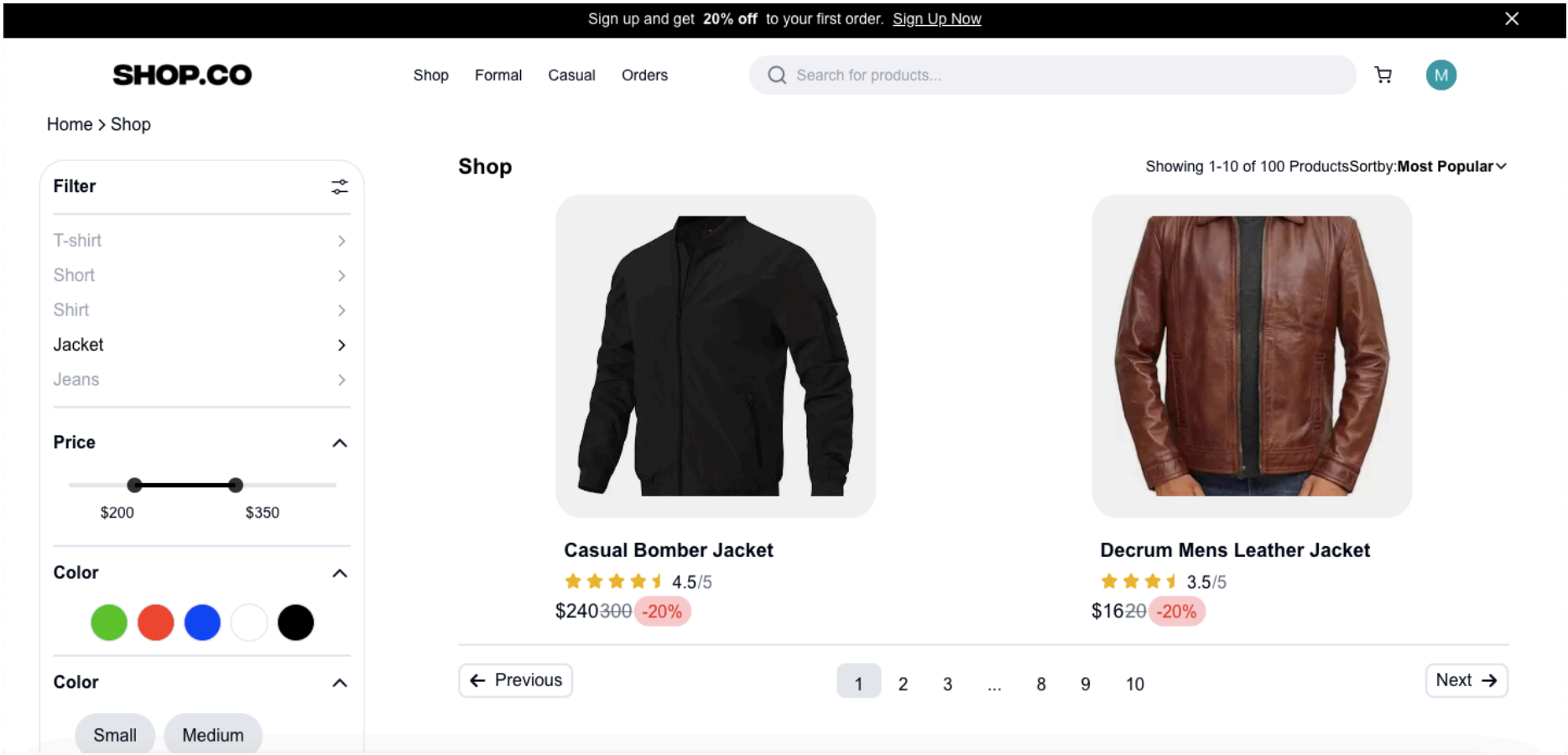
Decrum Mens Leather Jacket
Price\$20



KLIEGOU Mens Hipster Hiphop Tees
Price\$23

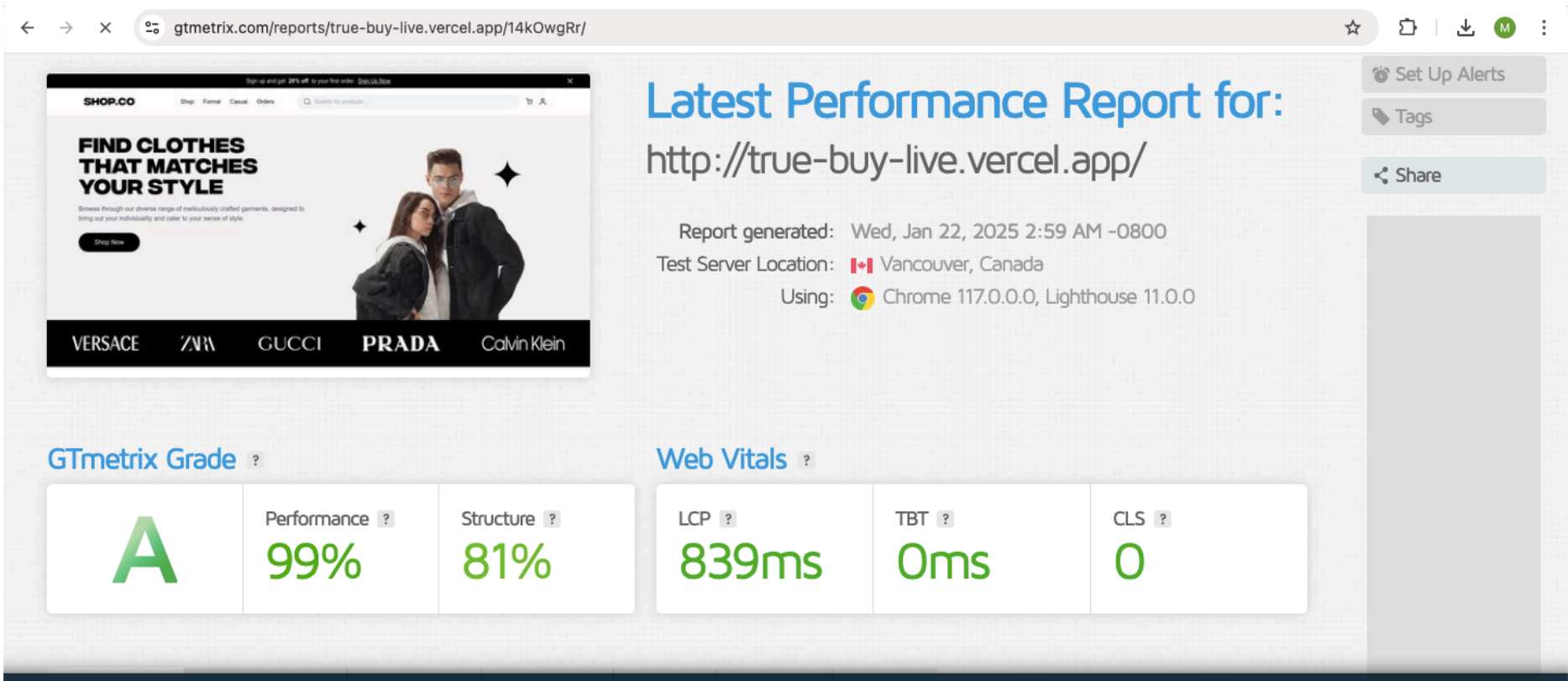
5. Product Filters:

- **Status**: Partial Success
- **Details**: Filtering is functional but needs optimization for better user experience.



Performance Optimization Steps

- **GTmetrix Analysis**:
 - **Performance Score**: 99%.
 - Optimized images, minimized JavaScript, and utilized browser caching for better load times.



- **Web Vitals:**
 - **LCP**: 839ms.
 - **TBT**: 0ms.
 - **CLS**: 0.

Performance Optimization Steps Taken

- Implemented lazy loading for images to improve LCP.
- Minimized JavaScript bundle size.
- Integrated Clerk for optimized and secure authentication flow.

Security Measures Implemented

- Used Clerk for user authentication, ensuring secure sign-up /sign-in processes.
- Validated all API inputs to prevent injection attacks.
- HTTPS enforced for secure data transmission.

Challenges Faced and Resolutions Applied

- **Challenge**: Filtering functionality not producing accurate results.
 - **Resolution**: Debugging query logic; optimization in progress.
- **Challenge**: Checkout functionality incomplete.
 - **Resolution**: Planned fixes for final implementation phase.