Software Test Description



**eBay Website**

**Team Members**

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6. **INTRODUCTION**
   1. **Purpose**

The purpose outlines the primary intent and objectives of the testing activities.

This document serves as a central repository for the detailed test cases, testing methodologies, and procedures designed to systematically evaluate.

Key objectives of the testing activities documented herein include:

The functionality, performance, security, and user experience of the eBay platform**.**

* 1. **Scope**

The project not covers the entire ebay.com website, but it's include the primary goals:

* User Account Creation, Management, and Authentication Processes.
* Product Search, Listing, and Bidding Functionalities.
* Buy Now and Shopping Cart Features.
* User Interface (UI) and User Experience (UX) Across Desktop and Mobile Platforms.
* Payment Processing.
* Integration with External Service Providers.
* Auction and Fixed-Price Sales Mechanisms.
* Feedback and Dispute Resolution Systems.

**2. OVERVIEW**

**2.1 Background**

As a dynamic digital marketplace, eBay leverages sophisticated technology to provide users with features such as advanced search, buy-it-now options, online auctions, feedback systems, and secure payment processing. The website caters to millions of active users, requiring an infrastructure that supports robust functionality, high availability, and scalable performance.eBay.com is one of the world’s premier online marketplaces, facilitating consumer-to-consumer and business-to-consumer sales through its website.

2.2 Goals

* Ensuring Robust Functionality.
* Optimize UX.
* Maintaining High Performance and Scalability.
* Guaranteeing Security and Compliance.
* Enhancing Cross-Platform Compatibility.
* Supporting Seamless Integration with External Systems.

2.3 glossary

Auction:A sales mechanism on eBay where buyers place bids on items over a specified period, with the item being sold to the highest bidder at the end of the auction.

Bid: An offer made by a buyer to purchase an item on auction on eBay. The bid represents the price the buyer is willing to pay for the item.

Buy Now: A feature that allows buyers to purchase items immediately at a fixed price without going through the auction process.

eBay Managed Payments: The payment processing system used by eBay to handle transactions between buyers and sellers, supporting various payment methods.

Listing: An item posted for sale on eBay, including details such as description, price, photos, and shipping information.

3. Test Strategy

3.1 Test Tree

Functional tests:

1. Login page:
2. Sign in with email

* Login with existing username and password.
* Login with correct username and wrong password.
* Login with not exist username.

1. Third party login

I. login with facebook account

1. Login with signing in facebook account
2. Login with not signing in facebook account

Ii. login with google.

Iii. login with apple

2. Search product

1. Valid product search

1.with account

* Search valid product with login account
* Search valid product without login account

2. By filtering

* Choosing a product and continue search by filter
* Choosing category and search products by sorting

1. Invalid product search
2. Search product by categories

* Checking if valid product is appear

1. continue search by filter

* Checking if invalid product is exist

3. Product detail page

1. Product information and images

* Checking the correctness of products
* Checking for compatible filters

1. **Buy product**

* Logging in to the account
* Not Logging in to the account

1. Add to watching

* Logging in to the account
* Not Logging in to the account

1. Add to Cart

4. Shopping Cart

1. Cart persistence

I. Not Logging in to account

* Check if Items remain in the Cart after exit from the website

Ii.Logging in to account

* Check if Items remain in the Cart after exit from the website

1. Updating Quantity

* The price is change after update the quantity
* the updating quantity is saved after Logging out and login again

1. Remove item from Cart

I.if there is 1 item

* The Cart is “empty “ and the subtotal is 0 and navigate to “start shopping page.”

Ii. if there is more than 1 item

* Removing some of the items and the subtotal is updating, and the page still Exists.(Cart persistence).

5. Checkout

1. Logging in to account

I. if the item support location

* Navigate to pay page

Ii. if the item doesn’t support location

* Navigate ” review shipping” to update address

1. Not Logging in to account

* Ask to continue as a guest or to log in
* fill the form to buy

6. Shop by category

* Choosing a category or subcategory
* Shop by category (in the sidebar at left)

7. Home page

* Choose product or category from “Explore Popular Categories”
* Choose category “Today's Deals – All With Free Shipping”

8. Watchlist

1. With login account

* Add item to watchlist

1. Without login account

* Ask to login

1. If there are more than 1 item

I. if the item from the same category :

* All the items display in the page

Ii. if the item from different categories

* Choose the category to see the items

9. Purchase history

1. Logging to account

* Show purchased items by category.
* Show order items.
* Filtering orders by year.

1. Without Logging to account

* Can not see the history.

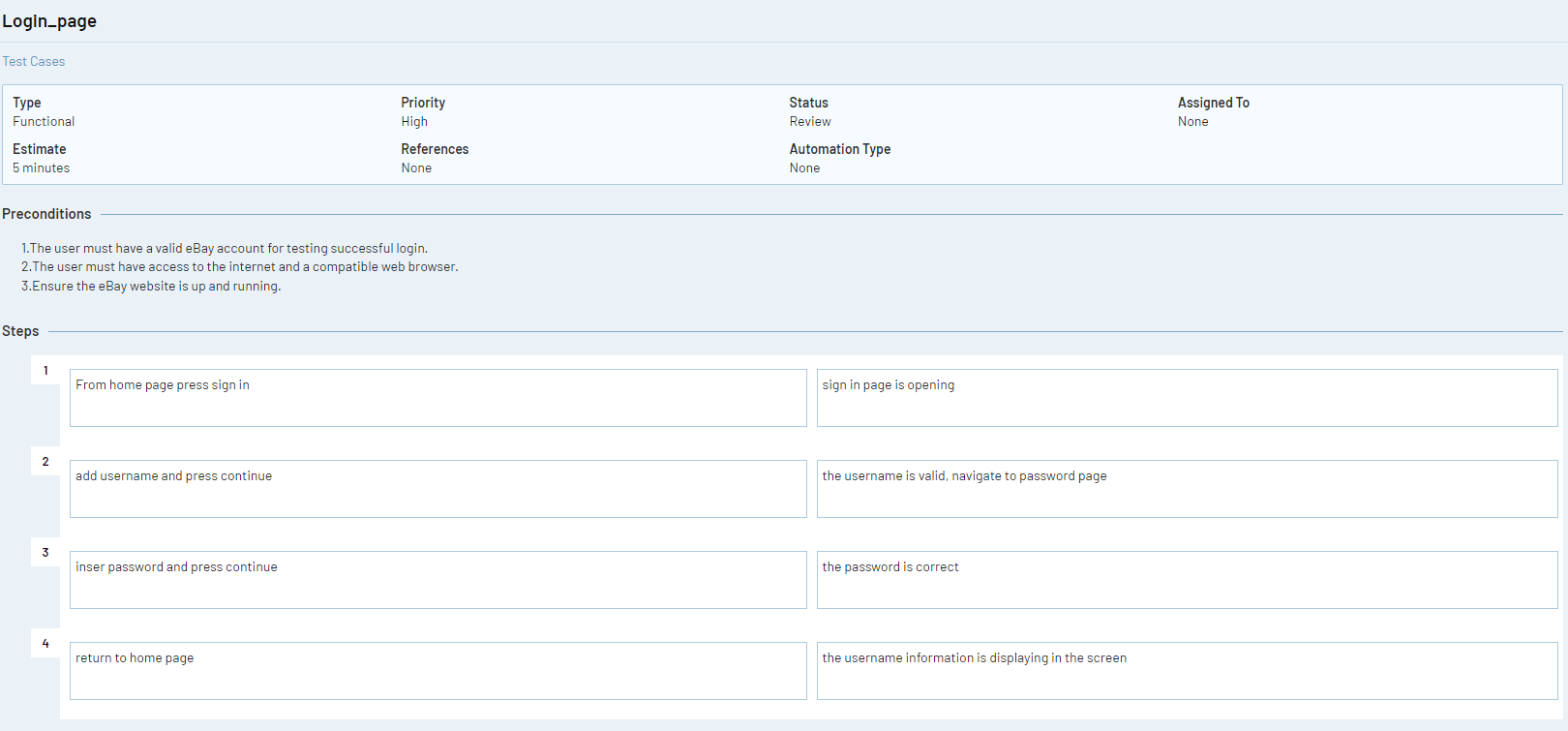
10 . Category Barside

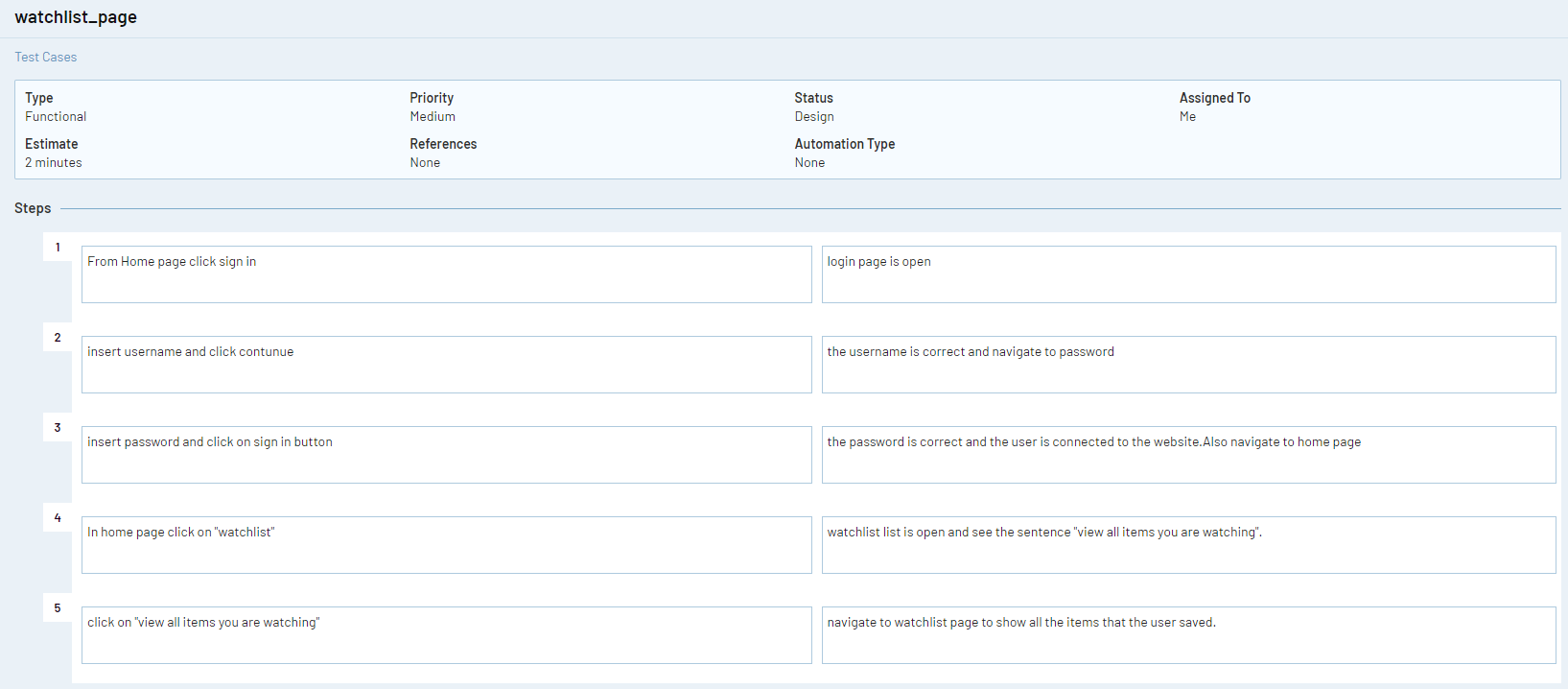
* After choosing category , choose “Most popular categories” and “more categories”

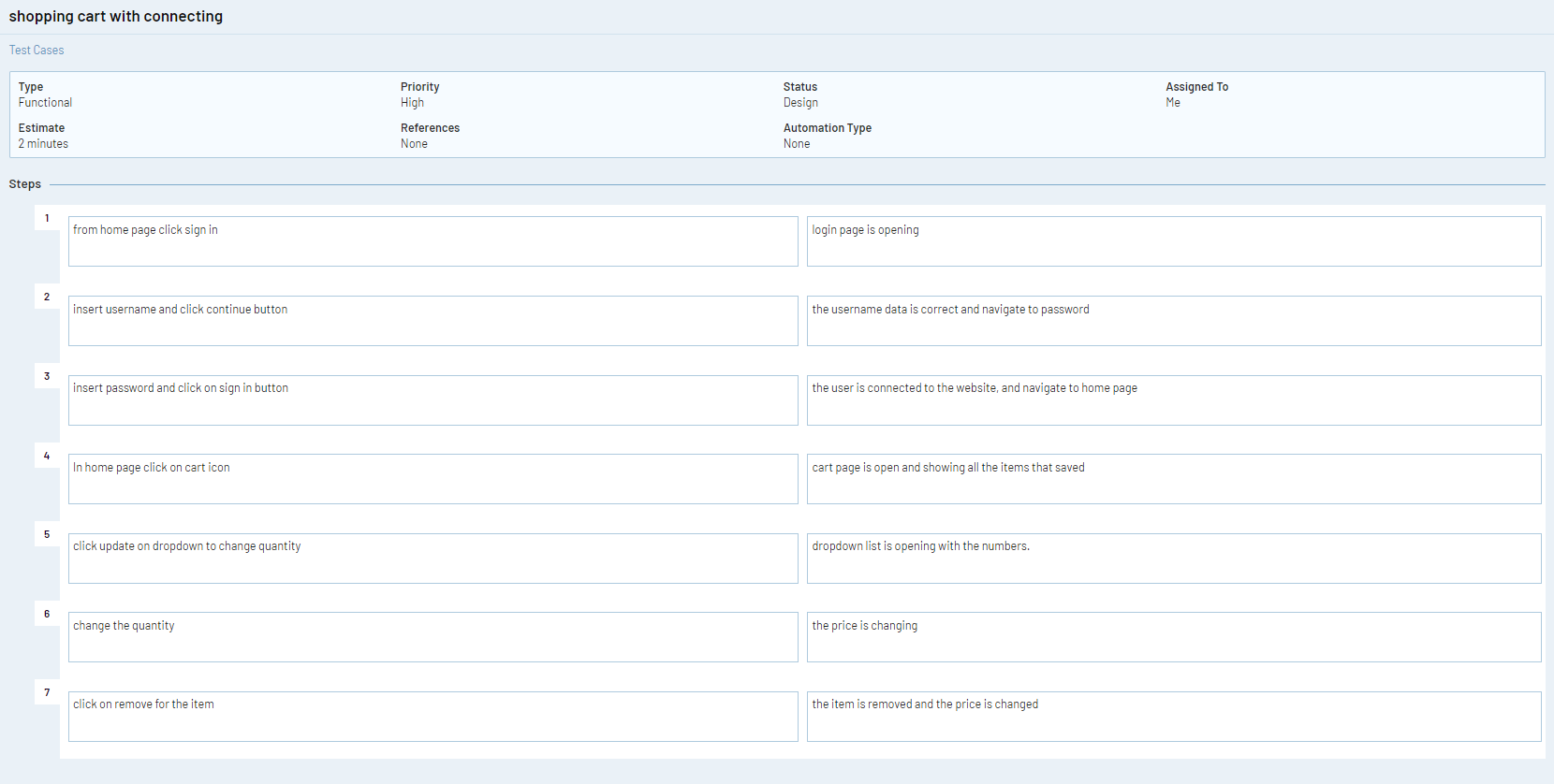
4 Traceability

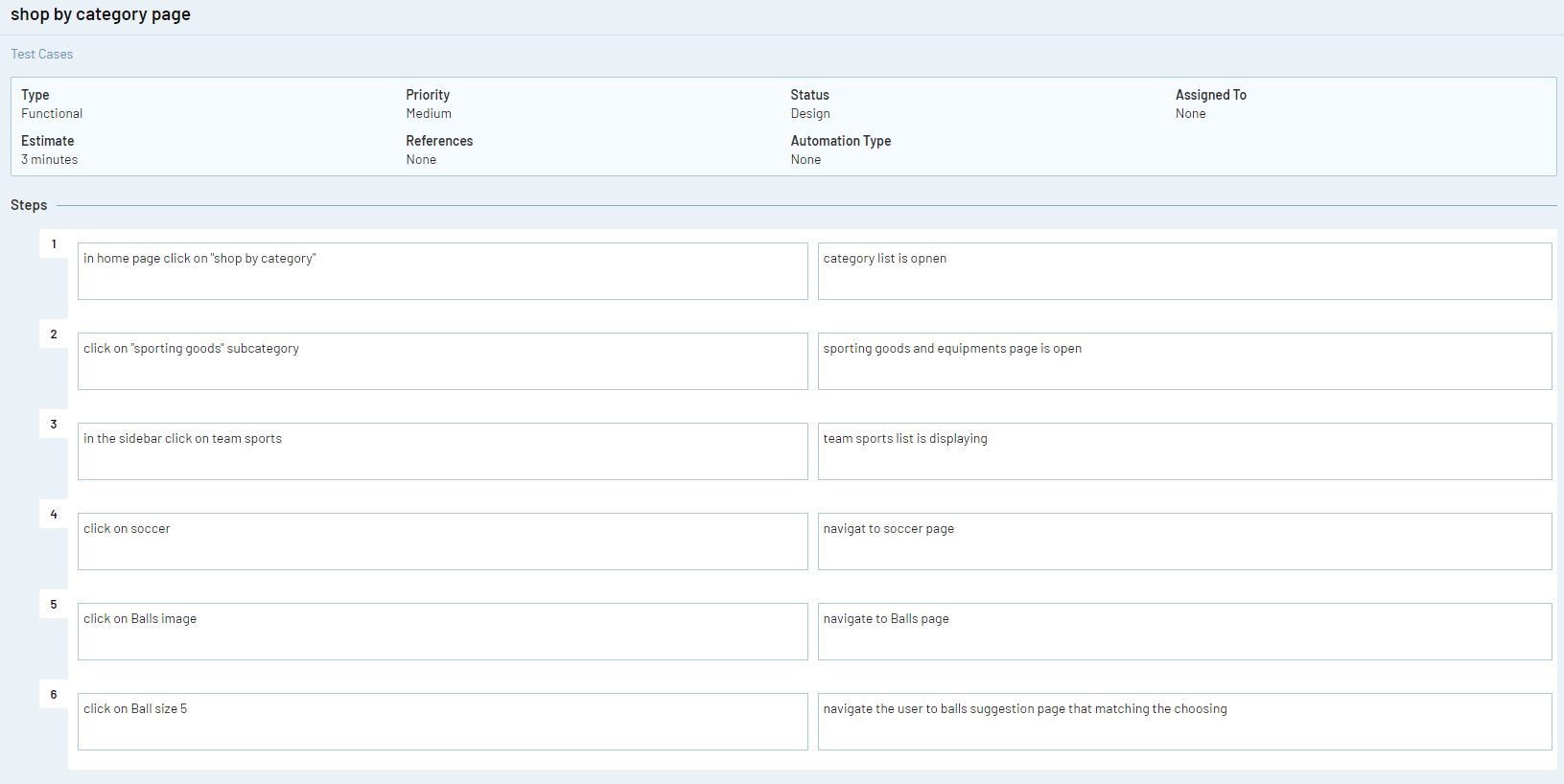
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| --- | --- | --- | --- | --- | --- | --- |
| Parent Requirements | Child Requirements | Explanation function | script | tag | Test case | purpose |
| Payment processing | Check out process | Facilitates the checkout and payment for purchases | 1 | pay | #REF! | To verify the new users can register successfully |
| Payment method | Allows the user of various payment methods | 2 | #REF! | To ensure multiple payment methods are supported effectively |
| Payment confirmation | Confirms the successful completion of a payment | 3 | #REF! | To verify users receive confirmation of successful payment |
| Refund process | enable s processing of refunds for clients | 4 | #REF! | To test the efficiency and accuracy of refund process |
| Search functionality | Basic search | User can perform basic searches for items | 5 | search | #REF! | To test the accuracy and efficiency of basic search |
| Advanced search | Users can use advanced filters for searching | 6 | #REF! | To validate the functionality of advanced search filters |
| Feedback system | Submit feedback | Buyers can leave feedback for sellers | 7 | feedback | #REF! | To verify the feedback mechanism work as intended |
| Payment security | Fraud detection | Identifies and prevents fraudulent transactions | 8 | security | #REF! | To evaluate the effectiveness of fraud detections mechanism |
| Data encryption | Ensuring sensitive payment information is encrypted | 9 | #REF! | security | To verify that payment data is securely encrypted during transmission |

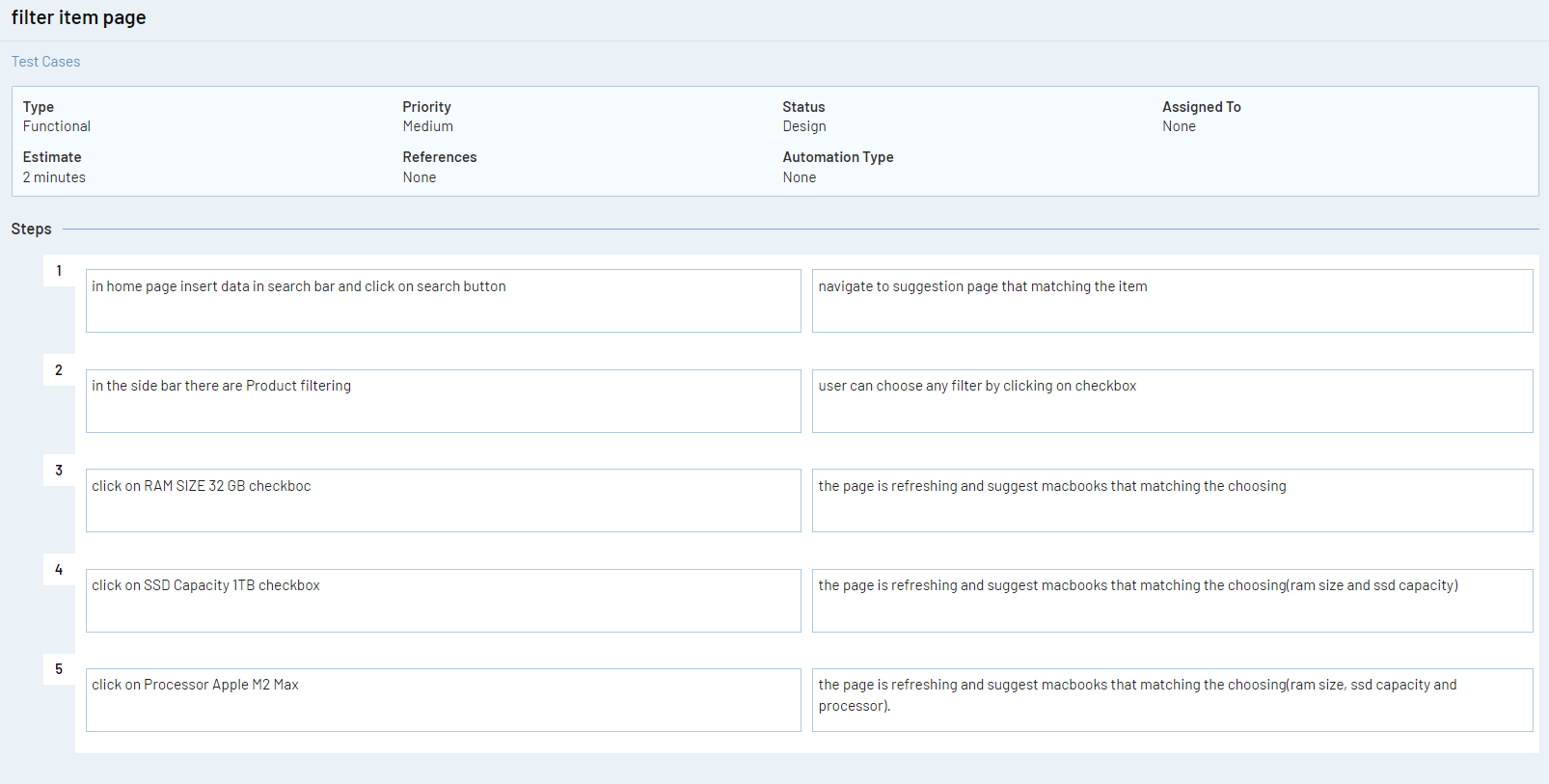
1. **TEST RESULTS**

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