Business Requirements

1. Accurate and Up-to-date Product Information:

Testing Focus:

Verify that the system retrieves and displays the most recent and product information is accurate, up-to-date, and aligned with the preferences and wish lists of end users.

Criteria:

- Real-time synchronization with product databases.
- Regular updates of product information based on user activity and market trends.
- Accuracy validation through user feedback and system monitoring. accurate product information from the database.
- Ensure the correctness of displayed product details, prices, and availability.

2. User-Friendly Interface:

Testing Focus:

The Amazon system must feature an intuitive and user-friendly interface to enhance the overall user experience.

Criteria:

- Verify that the website is easy to navigate with clear menus, links, and buttons.

- Verify that the website loads quickly and displays content accurately.

- Verify that the website is user-friendly and provides a smooth and seamless shopping experience.

3. Enhanced Search Functionality:

Testing Focus:

 The search functionality should be advanced and efficient, helping users find products easily.

Criteria:

- Verify that users can search for products based on various criteria such as keywords, categories, brands, etc.

- Verify that search results display accurate and relevant products.

- Verify that users can filter and sort search results based on different parameters.

4. User Registration and Authentication:

Testing Focus:

The system must implement secure user registration and authentication mechanisms to ensure that only authorized users can access and perform actions within the Amazon platform.

Criteria:

- Verify that users can register with valid details such as name, email, and password.

- Verify that users cannot register with invalid or duplicate email addresses.

- Verify that users can login with valid credentials (email and password).

- Verify that users cannot login with invalid or incorrect credentials.

- Verify that users can reset their password in case they forget it.

- Verify that appropriate error messages are displayed for incorrect login attempts.

5. Flexible User Profiles:

Testing Focus:

The Amazon system should allow users to customize their profiles to align with individual preferences and needs.

Criteria:

- Verify that users can update their account information, such as name, email, password, etc.

- Verify that users can manage their shipping addresses, payment methods, and wish lists.

- Verify that users can subscribe or unsubscribe from newsletters or promotional emails.

- Verify that users can delete their accounts and receive appropriate confirmation messages.

6. Compliance:

Testing Focus:

Ensure the project complies with all relevant laws and regulations.

Criteria:

- Verify that the system handles user data securely and adheres to privacy and legal requirements.

- Verify that user passwords are stored securely using encryption techniques.

- Verify that the website has appropriate authentication and authorization mechanisms in place.

- Verify that user data is stored securely and protected against unauthorized access.

- Verify that the website uses HTTPS for secure communication and data encryption.

7. Order Management and Checkout:

Testing Focus:

Ensure that the project complies the ordering process and the checkout should be seamless and hassle free for the users.

Criteria:

- Verify that users can view their order history and track the status of their orders.

- Verify that users can cancel or modify their orders, including changing shipping addresses or payment methods.

- Verify that users receive order status updates and notifications via email or SMS.

- Verify that users can proceed to checkout and enter shipping and payment details.

- Verify that users can select appropriate shipping options, such as standard, expedited, or next-day delivery.

- Verify that users can make payments securely using various payment methods such as credit/debit cards, net banking, etc.

8. Performance, Integration and Scalability:

Testing Focus:

Ensure that the system maintains optimum performance, integrates with 3rd party services and scalable for future growth.

Criteria:

- Verify that the website integrates properly with third-party systems for payment processing, order management, etc.

- Verify that the website performs well under different load conditions, including high traffic and concurrent users.

- Verify that the website handles errors and exceptions gracefully without crashing or freezing.

- Verify that the website has appropriate error logging and monitoring mechanisms.

9. Feedback from Users:

Testing Focus:

Ensure that the system includes a feedback mechanism to take feedback from users.

Criteria:

- Verify that users can view and edit their product reviews, ratings, and recommendations.
- Taking feedback from users regarding UI or any other errors they are facing through feedback submission forms.

Conclusion:

In conclusion, The Business requirements provide a comprehensive understanding of the challenges and requirements for the Amazon project. Testing strategies should align with the identified business problems and requirements to ensure the successful implementation of the project.