**Business Requirements for Software Web Automation Testing - Amazon Website**

**1. Login:**

* Objective: Ensure users can securely log in to their Amazon accounts.
* Functional Requirements:
* Users should provide valid credentials (username and password).
* Support for multi-factor authentication.
* Non-functional Requirements:
* Login process completion time should be within a specified duration.
* Robust error handling for incorrect login attempts.

**2. Register:**

* Objective: Facilitate the user registration process on the Amazon platform.
* Functional Requirements:
  + Collect and validate user information during registration.
  + Send a confirmation email for account activation.
* Non-functional Requirements:
  + Registration process completion time should be within a specified duration.
  + Scalability to handle a large number of registration requests.

**3. Search:**

* Objective: Enable users to search for products efficiently on the Amazon website.
* Functional Requirements:
  + Support for various search criteria (product name, category, etc.).
  + Display relevant and accurate search results.
* Non-functional Requirements:
  + Search response time should be optimized for a seamless user experience.
  + Compatibility with different browsers and devices.

**4. Add to Cart:**

* Objective: Allow users to add products to their shopping cart.
* Functional Requirements:
  + Display clear options to add products to the cart.
  + Validate the availability of selected products.
* Non-functional Requirements:
  + Cart update should reflect in real-time.
  + System should handle concurrent updates to the cart.

**5. Change Language:**

* Objective: Provide users the option to change the language of the Amazon interface.
* Functional Requirements:
  + Support multiple languages for the user interface.
  + Ensure a smooth transition between language changes.
* Non-functional Requirements:
  + Language change should not affect user session data.
  + Language options should cover a broad user demographic.

**6. Change Quantity:**

* Objective: Allow users to adjust the quantity of items in their shopping cart.
* Functional Requirements:
  + Display clear options to change the quantity of selected products.
  + Validate the availability of the requested quantity.
* Non-functional Requirements:
  + Quantity change should reflect in real-time in the cart.
  + System should handle concurrent quantity updates.

**7. Cross-Cutting Requirements:**

* Security:
  + Ensure secure data transmission during login and registration.
  + Implement secure handling of user authentication tokens.
* Compatibility:
  + Compatibility with major browsers (Chrome, Firefox, Safari).
  + Responsive design for various devices (desktop, tablet, mobile).
* Performance:
  + Optimize page load times for critical user actions.
  + Handle peak loads during high traffic periods.

**8. Reporting and Logging:**

* Implement detailed logging for all automated test scenarios.
* Generate comprehensive reports with test execution results.
* Include screenshots or other artifacts for failed test scenarios.