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Amazon.com Test Cases

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Test Cases

Login screen/page

1. Verify that the Login screen loads without any errors or delays.
2. Verify that the Login screen contains the required fields for entering the email address and password.
3. Verify that the Login screen contains a "Forgot Password" link for resetting the password.
4. Verify that the Login screen contains a "Create Account" link for new users to register.
5. Verify that the Login screen displays appropriate error messages for invalid login attempts.
6. Verify that the system restricts the number of login attempts after multiple failed attempts.
7. Verify that the Login screen supports both uppercase and lowercase characters for email and password fields.
8. Verify that the password field is masked for security purposes.
9. Verify that the "Remember Me" checkbox functionality works as expected.
10. Verify that the Login screen is compatible with different web browsers and devices.
11. Verify that the Login screen has a clear and concise layout for ease of use.
12. Verify that the Login screen is accessible to users with disabilities.
13. Verify that the Login screen has appropriate validation checks for email and password fields.
14. Verify that the Login screen's functionality is consistent across different user roles.
15. Verify that the Login screen has appropriate security measures to prevent unauthorized access.

Search available products

1. Verify that the search bar is visible on all pages of the website.
2. Verify that the search bar can be accessed using the keyboard and the mouse.
3. Verify that the search bar has a placeholder text that describes its purpose.
4. Verify that the search bar accepts keywords with different capitalization.
5. Verify that the search bar accepts special characters and symbols as keywords.
6. Verify that the search bar displays relevant and accurate results when searching for a single keyword.
7. Verify that the search bar displays relevant and accurate results when searching for multiple keywords.

8. Verify that the search bar provides suggestions for popular or related keywords as the user types.
9. Verify that the search results page displays products that match the searched keywords.
10. Verify that the search results page allows the user to sort and filter the search results based on various criteria.
11. Verify that the search results page displays the product name, image, price, and description.
12. Verify that the search results page allows the user to view the product details and add it to the cart.
13. Verify that the search bar displays an error message if no results are found for the searched keywords.
14. Verify that the search functionality works equally well on different browsers and devices.
15. Verify that the search functionality works seamlessly with other website features, such as the cart and checkout process.

Browse products

Test Case 1: Verify that the user can browse all products available on the website

1. Launch the website
2. Navigate to the "Browse Products" section
3. Verify that all product categories are displayed
4. Click on a category
5. Verify that all products in the selected category are displayed
6. Repeat steps 4 and 5 for all categories
7. Verify that the user can browse all products available on the website

Test Case 2: Verify that the user can sort products by different parameters

1. Launch the website
2. Navigate to the "Browse Products" section
3. Verify that all product categories are displayed
4. Click on a category
5. Verify that all products in the selected category are displayed
6. Select the "Sort by" option
7. Verify that the following parameters are available: Price, Rating, Date Added, Bestselling
8. Select one of the parameters
9. Verify that the products are sorted according to the selected parameter
10. Repeat steps 6 to 9 for all parameters
11. Verify that the user can sort products by different parameters

Test Case 3: Verify that the user can filter products by different attributes

1. Launch the website
2. Navigate to the "Browse Products" section
3. Verify that all product categories are displayed
4. Click on a category
5. Verify that all products in the selected category are displayed
6. Select the "Filter" option
7. Verify that the following attributes are available: Brand, Price Range, Rating Range, Availability
8. Select one of the attributes
9. Verify that the products are filtered according to the selected attribute
10. Repeat steps 6 to 9 for all attributes
11. Verify that the user can filter products by different attributes

Test Case 4: Verify that the user can search for a specific product

1. Launch the website
2. Navigate to the "Browse Products" section
3. Verify that all product categories are displayed
4. Enter a product name in the search bar
5. Click on the search button
6. Verify that all products matching the search query are displayed
7. Click on a product
8. Verify that the product details page is displayed
9. Verify that the user can search for a specific product

Test Case 5: Verify that the user can view product details

1. Launch the website
2. Navigate to the "Browse Products" section
3. Verify that all product categories are displayed
4. Click on a category
5. Verify that all products in the selected category are displayed
6. Click on a product
7. Verify that the product details page is displayed
8. Verify that all product details such as name, description, price, and images are displayed
9. Verify that the user can view product details

Test Case 6: Verify that the user can add products to cart

1. Launch the website
2. Navigate to the "Browse Products" section
3. Verify that all product categories are displayed

4. Click on a category
5. Verify that all products in the selected category are displayed
6. Click on a product
7. Verify that the product details page is displayed
8. Click on the "Add to Cart" button
9. Verify that the product is added to the cart
10. Verify that the user can add products to cart

View and select products

Test Case 1: Viewing product details

1. Go to the home page of the Amazon.com website.
2. Search for a product using the search bar or browse through the categories to find a product.
3. Click on the product to view its details.
4. Verify that the product details, including its name, description, price, and images are displayed correctly.
5. Verify that the product rating and reviews are displayed (if available).
6. Verify that the "Add to cart" and "Buy now" buttons are displayed.
7. Verify that related products or recommended products are displayed (if available).
8. Repeat steps 2-7 with different products to ensure consistency.

Test Case 2: Adding a product to the cart

1. Go to the product details page of a product.
2. Click on the "Add to cart" button.
3. Verify that the product is added to the cart.
4. Verify that the cart displays the correct product name, price, quantity, and subtotal.
5. Repeat steps 1-4 with different products to ensure consistency.

Test Case 3: Removing a product from the cart

1. Go to the cart page.
2. Verify that the cart displays the correct product name, price, quantity, and subtotal.
3. Click on the "Remove" button next to a product.
4. Verify that the product is removed from the cart.
5. Verify that the cart displays the updated total.
6. Repeat steps 3-5 with different products to ensure consistency.

Test Case 4: Updating the quantity of a product in the cart

1. Go to the cart page.
2. Verify that the cart displays the correct product name, price, quantity, and subtotal.
3. Update the quantity of a product in the cart.

4. Verify that the cart displays the updated quantity and subtotal.
5. Verify that the cart displays the updated total.
6. Repeat steps 3-5 with different products to ensure consistency.

Test Case 5: Proceeding to checkout

1. Go to the cart page.
2. Verify that the cart displays the correct product name, price, quantity, and subtotal.
3. Click on the "Proceed to checkout" button.
4. Verify that the checkout page is displayed.
5. Verify that the correct products, prices, and quantities are displayed.
6. Verify that the shipping address and payment information are correct (if applicable).
7. Verify that the "Place order" button is displayed.
8. Repeat steps 2-7 with different products to ensure consistency.

Buy product now

Test Case 1: Verify that user can successfully add products to the cart

1. Open the website and log in with valid credentials
2. Search for a product using the search bar
3. Click on the product and verify that the product details page is displayed
4. Select a quantity and click on the "Add to cart" button
5. Verify that a success message is displayed and the product is added to the cart

Test Case 2: Verify that user can view the contents of the cart

1. Open the website and log in with valid credentials
2. Click on the cart icon in the top right corner
3. Verify that the cart page is displayed with the list of products added to the cart
4. Verify that the product details, quantity, and price are displayed correctly for each product

Test Case 3: Verify that user can edit the contents of the cart

1. Open the website and log in with valid credentials
2. Click on the cart icon in the top right corner
3. Verify that the cart page is displayed with the list of products added to the cart
4. Click on the "Edit" button next to a product
5. Modify the quantity or remove the product from the cart
6. Verify that the changes are reflected in the cart and the total price is updated accordingly

Test Case 4: Verify that user can checkout and place an order

1. Open the website and log in with valid credentials
2. Click on the cart icon in the top right corner

3. Verify that the cart page is displayed with the list of products added to the cart
4. Click on the "Checkout" button
5. Enter the shipping and payment details and click on the "Place Order" button
6. Verify that a success message is displayed and the order is placed
7. Verify that the order details are displayed correctly on the order confirmation page

Test Case 5: Verify that user can view their order history

1. Open the website and log in with valid credentials
2. Click on the "Orders" tab in the account section
3. Verify that the order history page is displayed with the list of all previous orders
4. Verify that the order details, product details, and total price are displayed correctly for each order.

Add product to cart

Test Case 1: Adding a product to the cart

1. Open the Amazon.com website and go to the home page.
2. Search for a product by entering the product name in the search bar.
3. Click on the search button to display the search results.
4. Click on the product to view the product details.
5. Click on the "Add to Cart" button to add the product to the cart.
6. Verify that the product is added to the cart.
7. Click on the cart icon to view the products in the cart.
8. Verify that the product added in step 5 is displayed in the cart.
9. Click on the "Checkout" button to proceed to checkout.

Test Case 2: Adding multiple products to the cart

1. Open the Amazon.com website and go to the home page.
2. Search for multiple products by entering the product names in the search bar.
3. Click on the search button to display the search results.
4. Click on the products to view the product details.
5. Click on the "Add to Cart" button for each product to add the products to the cart.
6. Verify that the products are added to the cart.
7. Click on the cart icon to view the products in the cart.
8. Verify that the products added in step 5 are displayed in the cart.
9. Click on the "Checkout" button to proceed to checkout.

Test Case 3: Adding a product with a quantity to the cart

1. Open the Amazon.com website and go to the home page.
2. Search for a product by entering the product name in the search bar.
3. Click on the search button to display the search results.

4. Click on the product to view the product details.
5. Enter the desired quantity of the product in the quantity field.
6. Click on the "Add to Cart" button to add the product to the cart.
7. Verify that the product with the desired quantity is added to the cart.
8. Click on the cart icon to view the products in the cart.
9. Verify that the product with the desired quantity is displayed in the cart.
10. Click on the "Checkout" button to proceed to checkout.

Test Case 4: Adding a product to the cart from a product list

1. Open the Amazon.com website and go to the home page.
2. Click on the product category from the menu.
3. Click on the product sub-category to display the product list.
4. Click on the product to view the product details.
5. Click on the "Add to Cart" button to add the product to the cart.
6. Verify that the product is added to the cart.
7. Click on the cart icon to view the products in the cart.
8. Verify that the product added in step 5 is displayed in the cart.
9. Click on the "Checkout" button to proceed to checkout.

Test Case 5: Adding a product to the cart without logging in

1. Open the Amazon.com website and go to the home page.
2. Search for a product by entering the product name in the search bar.
3. Click on the search button to display the search results.
4. Click on the product to view the product details.
5. Click on the "Add to Cart" button to add the product to the cart.
6. Verify that the product is added to the cart.
7. Click on the cart icon to view the products in the cart.
8. Verify that the product added in step 5 is displayed in the cart.
9. Click on the "Checkout" button to proceed to checkout.
10. Verify that the website prompts the user to log in or create an account.

View current cart

Test Case 1: Verify that user can view their current cart

1. Launch the website and login with valid credentials
2. Navigate to the shopping cart page
3. Verify that the user is able to view the items in their cart
4. Verify that the name, image, price, quantity and subtotal of each item is displayed correctly
5. Verify that the total amount of the cart is displayed correctly
6. Verify that the user is able to edit the quantity of the items in the cart

7. Verify that the user is able to remove items from the cart
8. Verify that the changes made to the cart are reflected correctly

Test Case 2: Verify that the user cannot view their cart without logging in

1. Launch the website and navigate to the shopping cart page without logging in
2. Verify that the user is not able to view their current cart without logging in
3. Verify that the user is redirected to the login page

Test Case 3: Verify that the user is notified when their cart is empty

1. Launch the website and login with valid credentials
2. Navigate to the shopping cart page
3. Verify that a message is displayed indicating that the cart is empty
4. Verify that the message is displayed clearly and prominently

Test Case 4: Verify that the user is able to continue shopping from the cart page

1. Launch the website and login with valid credentials
2. Navigate to the shopping cart page
3. Verify that the user is able to click on a button or link to return to the shopping page
4. Verify that the user is able to add items to the cart from the shopping page

Test Case 5: Verify that the user is able to checkout from the cart page

1. Launch the website and login with valid credentials
2. Navigate to the shopping cart page
3. Verify that the user is able to click on a button or link to proceed to the checkout page
4. Verify that the user is able to enter their shipping and payment information
5. Verify that the user is able to place the order and the order is processed correctly

Proceed to checkout

1. Verify that when a user clicks on the "Proceed to Checkout" button, the user is redirected to the checkout page.
2. Verify that the checkout page displays the items in the user's cart, along with the price, quantity, and total cost for each item.
3. Verify that the user is able to update the quantity of each item in the cart on the checkout page.
4. Verify that the user is able to remove items from the cart on the checkout page.
5. Verify that the user is able to apply any valid coupons or discount codes on the checkout page.
6. Verify that the checkout page displays the subtotal, tax, and shipping charges for the user's order.

7. Verify that the user is able to select the shipping method for their order and see the updated total cost.
8. Verify that the user is able to enter their billing and shipping information on the checkout page.
9. Verify that the user is able to review their order summary on the checkout page before placing the order.
10. Verify that the user is able to place the order and receive an order confirmation number or email.
11. Verify that the user is not able to proceed to the checkout page if the cart is empty.
12. Verify that the user is not able to place an order without entering all required information, such as billing and shipping address, payment information, and shipping method.
13. Verify that the checkout page is secure and encrypted to protect the user's sensitive information.
14. Verify that the user is able to return to the cart page or continue shopping if they decide to cancel their order on the checkout page.
15. Verify that the user is able to view their order history and track their shipment status after placing the order.

Provide delivery method

1. Verify that the delivery options are displayed on the checkout page.
2. Verify that the user can select a delivery option from the available options.
3. Verify that the selected delivery option is displayed on the checkout page.
4. Verify that the delivery cost is displayed for each available delivery option.
5. Verify that the total cost including delivery charges is updated based on the selected delivery option.
6. Verify that the user is prompted to enter the shipping address if it has not been provided already.
7. Verify that the shipping address is displayed on the checkout page after it has been entered.
8. Verify that the user can change the selected delivery option and the total cost including delivery charges is updated accordingly.
9. Verify that the estimated delivery date is displayed for each available delivery option.
10. Verify that the estimated delivery date is updated based on the selected delivery option.

Review order status

1. Verify that the "Order Status" page is accessible from the user account dashboard.
2. Verify that the user's recent order details are displayed on the "Order Status" page.

3. Verify that the user can view the status of their order (e.g. "Order Placed," "In Transit," "Delivered," etc.).
4. Verify that the user can view the estimated delivery date of their order.
5. Verify that the user can view the shipping carrier used for their order.
6. Verify that the user can view the order tracking number.
7. Verify that the user can click on the tracking number to be redirected to the shipping carrier's website.
8. Verify that the user can view the order details such as product name, quantity, price, and total cost.
9. Verify that the user can view any discounts or promotions applied to the order.
10. Verify that the user can view any applicable taxes or fees.
11. Verify that the user can view the total cost of the order including shipping and taxes.
12. Verify that the user can view the payment method used for the order.
13. Verify that the user can view the billing address and shipping address associated with the order.
14. Verify that the user can cancel the order if it has not been shipped yet.
15. Verify that the user can contact customer support if there are any issues with the order.

Test Cases for User Flows

Homepage > Search > Search results page

1. Verify that the homepage loads properly and all images and links are displayed correctly.
2. Verify that the search box is displayed on the homepage and accepts input.
3. Enter a valid search query in the search box and verify that the search results page loads correctly.
4. Verify that the search results page displays the products related to the search query.
5. Verify that the search results are sorted in the expected order (e.g. by relevance, price, etc.).
6. Verify that the search results page displays the correct number of products per page.
7. Verify that the pagination functionality works correctly, allowing users to navigate between different pages of search results.
8. Verify that the filters on the search results page work as expected, allowing users to narrow down their search results based on various criteria (e.g. price range, category, etc.).
9. Verify that the "Sort by" functionality works as expected, allowing users to sort the search results by different criteria (e.g. relevance, price, etc.).

10. Verify that clicking on a specific product on the search results page takes the user to the correct product page.

Homepage > Categories > Product list page

Test case name: Navigate to Product Categories from Homepage

Test steps:

1. Navigate to the homepage of the e-commerce website.
2. Look for the "Product Categories" menu on the homepage.
3. Click on the "Product Categories" menu to open the dropdown.
4. Verify that the dropdown shows a list of product categories.
5. Click on one of the product categories.
6. Verify that the product list page for the selected category is displayed.
7. Verify that the URL contains the selected category name.
8. Verify that the selected category is highlighted in the product categories menu.

Test case name: Verify product list page layout and functionality

Test steps:

1. Navigate to the product list page of a category.
2. Verify that the page displays the correct products for the selected category.
3. Verify that each product displayed has a product image, name, price, and rating.
4. Verify that there is a pagination option to navigate to the next page of products.
5. Verify that there is a search bar to search for products within the selected category.
6. Verify that the search bar allows searching for products by name or keyword.
7. Verify that the search bar displays relevant results when a search is performed.

Test case name: Sorting products on product list page

Test steps:

1. Navigate to the product list page of a category.
2. Verify that there is a "Sort By" dropdown menu.
3. Click on the "Sort By" dropdown menu.
4. Verify that the dropdown shows a list of sorting options.
5. Select one of the sorting options.
6. Verify that the products on the page are sorted according to the selected option.
7. Verify that the URL contains the sorting option selected.

Test case name: Filter products on product list page

Test steps:

1. Navigate to the product list page of a category.
2. Verify that there is a "Filter" dropdown menu.

3. Click on the "Filter" dropdown menu.
4. Verify that the dropdown shows a list of filter options.
5. Select one of the filter options.
6. Verify that the products on the page are filtered according to the selected option.
7. Verify that the URL contains the filter option selected.

Test case name: View product details from product list page

Test steps:

1. Navigate to the product list page of a category.
2. Select a product to view details.
3. Click on the product image or name to navigate to the product details page.
4. Verify that the product details page displays the correct information for the selected product.
5. Verify that the URL contains the name of the selected product.

Product list page > Product details page > Cart page

Test Case 1 - Product list page to Product details page:

1. Test the navigation from the product list page to the product details page.
2. Verify that clicking on a product from the list takes the user to the correct product details page.
3. Verify that all product details (e.g. product name, price, description, images) are displayed correctly.
4. Verify that the product details page contains a button or link to add the product to the cart.
5. Verify that the user can navigate back to the product list page using the browser back button.

Test Case 2 - Add product to cart:

1. Test the functionality of adding a product to the cart from the product details page.
2. Verify that clicking on the "Add to Cart" button or link adds the product to the cart.
3. Verify that the quantity of the product added to the cart is correct.
4. Verify that the product is added to the cart with the correct price and other details.

Test Case 3 - Cart page:

1. Test the functionality of the cart page.
2. Verify that the cart page displays all products added to the cart.
3. Verify that the user can update the quantity of each product in the cart.
4. Verify that the cart page displays the correct price for each product and the total price for all products.
5. Verify that the user can remove a product from the cart.

6. Verify that the user can proceed to checkout from the cart page.

Test Case 4 - Navigation between pages:

1. Test the navigation between the product list page, product details page, and cart page.
2. Verify that the user can navigate back and forth between these pages without any issues.
3. Verify that the user can add multiple products to the cart and navigate back to the product list page to continue browsing.

Test Case 5 - Quantity limits:

1. Test the functionality of the quantity limits for products in the cart.
2. Verify that the user cannot add more products to the cart than the available stock.
3. Verify that the user cannot add a quantity less than 1 or greater than the maximum allowed quantity for a product.

Test Case 6 - Multiple users:

1. Test the functionality of the cart page for multiple users.
2. Verify that each user can see their own cart with the correct products and quantities.
3. Verify that products added to one user's cart are not visible to other users.
4. Verify that the checkout process is separate for each user and does not affect other users' carts or orders.

Cart page > Checkout page > Order confirmation page

Test Case: Verify cart page functionality

1. Navigate to the e-commerce website and add one or more items to the cart.
2. Go to the cart page and verify that all the items added are displayed along with their quantity and price.
3. Verify that the total price is correctly calculated and displayed.
4. Verify that the user is able to modify the quantity of items in the cart.
5. Verify that the user is able to remove an item from the cart.

Test Case: Verify checkout page functionality

1. Navigate to the e-commerce website and add one or more items to the cart.
2. Go to the cart page and click on the "Proceed to checkout" button.
3. Verify that the checkout page displays the correct items, their quantity, and their price.
4. Verify that the user is able to edit the shipping and billing address, if applicable.
5. Verify that the user is able to select a payment method and enter payment details.
6. Verify that the user is able to review the order summary before placing the order.

Test Case: Verify order confirmation page functionality

1. Navigate to the e-commerce website and add one or more items to the cart.
2. Go to the cart page and click on the "Proceed to checkout" button.
3. Enter valid shipping, billing, and payment information.
4. Place the order and verify that the user is redirected to the order confirmation page.
5. Verify that the order confirmation page displays the order details including the order number, order date, billing and shipping address, payment method, and total order amount.
6. Verify that the user is able to see an estimated delivery date and time.
7. Verify that the user is able to view the order summary and download the receipt if applicable.

Test Case: Verify order tracking functionality

1. Navigate to the e-commerce website and add one or more items to the cart.
2. Go to the cart page and click on the "Proceed to checkout" button.
3. Enter valid shipping, billing, and payment information.
4. Place the order and verify that the user is redirected to the order confirmation page.
5. Verify that the user is able to see an estimated delivery date and time.
6. Verify that the user is able to track the order by entering the order number and other required details.
7. Verify that the user is able to see the current status of the order and any relevant tracking information.

Checkout page > Payment details

1. Verify that the "Checkout" button is disabled until all required fields on the checkout page (such as name, shipping address, email, etc.) are filled out.
2. Verify that the selected delivery method is displayed correctly on the checkout page and the associated cost is displayed correctly.
3. Verify that the selected products and their respective prices are displayed correctly on the checkout page.
4. Verify that the order summary on the checkout page displays the correct total cost, including the cost of the products, delivery method, and any applicable taxes or fees.
5. Verify that clicking the "Proceed to Payment" button takes the user to the payment details page.
6. Verify that the payment details page requires the user to enter valid payment information, such as credit card number, expiration date, security code, and billing address.
7. Verify that the user can review and confirm the order details on the payment details page before submitting the payment information.

8. Verify that the user is presented with an error message if any required payment information is missing or invalid.
9. Verify that the user is redirected to an order confirmation page after successfully submitting the payment information.
10. Verify that the order confirmation page displays a confirmation message with the order number, date, and estimated delivery date.
11. Verify that the user can navigate back to the home page or view their order history from the order confirmation page.

Order details page > View orders > Track orders > Cancel orders

Test Case: Navigate to Order details page

Steps:

1. Log in to the e-commerce website
2. Add a product to the cart
3. Proceed to checkout and enter delivery information
4. Enter payment details and place the order
5. Navigate to the Order details page

Test Case: Navigate to View orders page

Steps:

1. Log in to the e-commerce website
2. Navigate to the Order details page
3. Click on the "View orders" button

Test Case: Navigate to Track orders page

Steps:

1. Log in to the e-commerce website
2. Navigate to the Order details page
3. Click on the "Track orders" button

Test Case: Cancel an order

Steps:

1. Log in to the e-commerce website
2. Navigate to the Order details page
3. Click on the "Cancel order" button
4. Choose a reason for cancellation from the dropdown list
5. Click on the "Cancel order" button again to confirm

Tentative Project Schedule

Phase 1: Planning

Duration: 4 weeks

1. Define project scope and objectives
2. Conduct market research and analysis
3. Develop a project plan and schedule
4. Identify and engage stakeholders
5. Establish project team and roles
6. Create a project charter and other documentation
7. Obtain necessary approvals and sign-offs

Phase 2: Design

Duration: 8 weeks

1. Create a wireframe and design prototype
2. Develop a detailed functional specification
3. Create visual design concepts and mockups
4. Develop information architecture and site navigation
5. Conduct usability testing and gather feedback
6. Revise design concepts based on feedback
7. Finalize design and obtain necessary approvals

Phase 3: Development


Duration: 20 weeks

1. Develop database schema and structure
2. Implement website functionality and features
3. Develop website pages and templates
4. Integrate payment gateway and other third-party services
5. Conduct unit and integration testing
6. Perform user acceptance testing
7. Fix bugs and issues identified during testing
8. Deploy the website to the production environment

Phase 4: Launch

Duration: 4 weeks

1. Prepare the website for launch
2. Conduct final testing and quality assurance
3. Train support staff and develop user documentation

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4. Launch the website to the public
 5. Monitor website performance and user feedback
 6. Address any issues or bugs identified post-launch

Phase 5: Post-Launch Support

Duration: Ongoing

1. Provide ongoing support and maintenance
2. Continuously update and enhance the website
3. Monitor website performance and user feedback
4. Address any issues or bugs identified post-launch
5. Respond to user inquiries and complaints
6. Conduct regular website audits and usability testing