CS-588 ASE, Assignment 4

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Requirement 1:

Total Test cases would be 20 menu items * 3 elements Level 2 * 2 elements Level 3 = 120 test case

Test Plan:

1. Level 1 Menu Items: 20 Test Cases
● Test each Level 1 menu item's visibility and accessibility.
● Verify that clicking on each item opens the corresponding Level 2 sub-menu.

2. Level 2 Sub-Menus: 60 Test Cases
● For each Level 1 menu item, navigate to the corresponding Level 2 sub-menu.
● Test each Level 2 sub-menus visibility and accessibility.
● Verify that clicking on each item within the Level 2 sub-menu opens the corresponding Level 3 sub-menu or page.

3. Level 3 Sub-Menus: 120 Test Cases
● For each Level 1 menu item:
● Navigate to the corresponding Level 2 sub-menu.
● Navigate to the corresponding Level 3 sub-menu.
● Test each Level 3 sub-menus visibility and accessibility.
● Verify that clicking on each item within the Level 3 sub-menu performs the expected action

I have made sure to validate that the Menu-Hamburger-Button is displayed on the BestBuyhomepage and initially, I check that the menu opens and closes when clicked again at the start of every level test.

The tests are performed on Chrome browser only and can be operated on any operating system, for example, MacOS, Windows, or Linux

The menu items are accessed by Xpath, and only clicking action is performed for all the tests.

Requirement 2:

Level	Category	Priority	Reasoning
1	Deals	10	High traffic, frequent updates, potential issues
1	Support & Services	9	Essential for client relations, service sales
1	Brands	8	Critical for customers' brand preferences
1	Shop by Department	7	Influences customer choices
1	Appliances	6	Significant category with various sub-sections
1	TV & Home Theater	9	High-value items, often detailed specifications

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1	Computers & Tablets	8	Primary category, frequent traffic, sales driver
1	Cell Phones	7	Key market segment, varying options
1	Audio	6	Important but less engagement
1	Video Games	9	High interest, specialized gaming products
2	Cameras, Camcorders & Drones	8	Important for photography and video enthusiasts
2	Home, Furniture & Office	10	High-value items, extensive choices
2	Smart Home, Security & Wi-Fi	8	Increasingly popular, impacts home security
2	Car Electronics & GPS	7	Relevant for car enthusiasts and travelers

2	Movies & Music	9	Entertainment products, frequent updates
3	Wearable Technology	10	Trendy category, often accompanies mobile tech
3	Health, Wellness & Fitness	8	Health-conscious customers, frequent updates
2	Outdoor Living	7	Seasonal products, essential for outdoor living
3	Toys, Games & Collectibles	6	Varied market, less frequent purchases
3	Electric Transportation	10	Emerging market, growing interest in electric vehicles
3	New & Featured	9	New products attracts early adopters

2	Washers & Dryers	10	Essential home appliances, frequent use
2	Vacuums and Floor Care	8	Home maintenance and required products
2	Heating, Cooling & Air Quality	7	Important for climate control, less frequent purchases
2	Home Theater Audio & Video	6	Audio and video enthusiasts, specific requirements
2	Premium TV & Home Theater	9	High-value entertainment products
2	Home Theater Accessories	8	Essential for enhancing home theater experience
2	Laptops & Desktops	10	Primary computing products, high user traffic

2	Tablets	8	Mobile computing is valuable for specific use cases
2	Monitors	7	Essential for various setups and different requirements
3	Appliance Sale Event	10	Promotional events, high traffic and sales
3	Refrigerators	9	Essential kitchen appliances, significant purchases

Requirement 3:

Planned Test Cases, Attempted Test Cases and Actual Test Cases
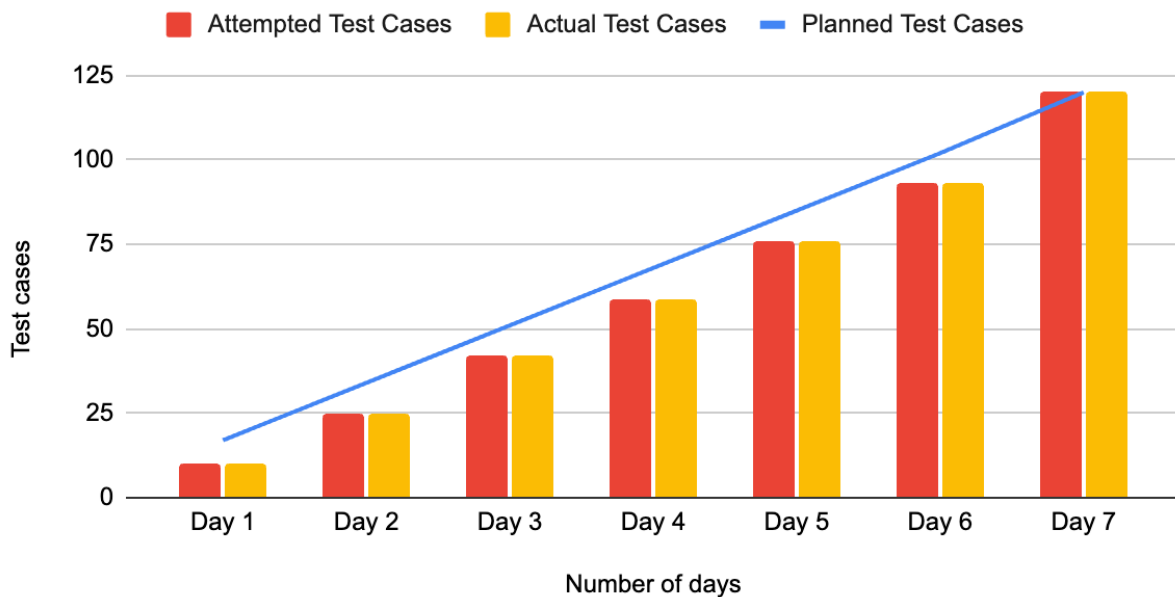
Problem 4:

It consists of various WebElements/Sector like 3 dropdown lists/menus, and featured sections, followed by flyout list items below.

The structural components within the Hamburger-Button menu are as follows:

The web components of the menu is under Menu-Container, which takes to the level 2 menu/submenu which is Flyout-SideCar-List, and thereafter to the level 3 menu.
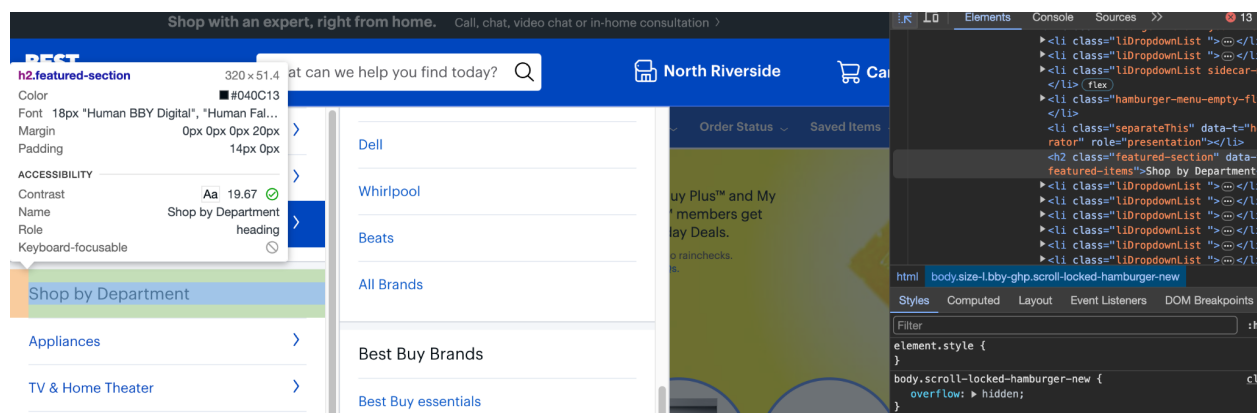
BEST BUY   ✕ Menu

What can we help you find today?   🔍

🏠 North Riverside

Cell Phones   ›

Audio   ›

Video Games   ›

Cameras, Camcorders & Drones   ›

Home, Furniture & Office   ›

Smart Home, Security & Wi-Fi   ›

Car Electronics & GPS   ›

Movies & Music   ›

Wearable Technology   ›

Health, Wellness & Fitness   ›

Outdoor Living   ›

Toys, Games & Collectibles   ›

Electric Transportation   ›

New & Featured   ›

✕ Close

Dell

Whirlpool

Beats

All Brands

Best Buy Brands

Best Buy essentials

Insignia

Rocketfish

Yardbird

✕ Close

Order Status ⌄

uy Plus™ and My
" members get
lay Deals.

o rainchecks.
s.

Appliances

rs, Bluetooth
& Home Audio

Came

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ul.hamburger-menu-flyout-list.hamburger-menu-flyout-sidecar-list   355 × 755

Background   ☐ #FFFFFF

ACCESSIBILITY

Name
Role   list
Keyboard-focusable   🚫

Problem 5

Element Type	Locators	Example Locator
Menu Hamburger-Button	XPath	By.xpath("//div[contains(@class, 'hamburger-menu')]/button")
Main Menu Container	Class Name	By.className("main-menu")
Menu Items (e.g., Deals, Support & Services, Brands)	XPath	By.xpath("//div[contains(@class,'menu-section')][contains(text(),'Deals')]")
Sub-Menu	XPath	By.xpath("//ul[contains(@class,'sub-menu')]/li[contains(text(),'Specific Item')]")
Clickable Link	Link Text	By.linkText("View All Deals")

Requirement 6:

1. Menu Hamburger-Button: This element typically initiates the menu's opening and may require waiting for it to become clickable before user interactions.

2. Main Menu Container: The main container that holds the menu items may take some time to load fully. You should wait for its visibility or presence.

3. Individual Menu Sections: The menu sections such as "Deals," "Support & Services," and "Brands" may load dynamically. You can wait for their visibility or presence before interacting.

4. Sub-Menu: Sub-menu items within each section, like "Deals," may load dynamically when a section is expanded. You should wait for their visibility or presence.

5. Clickable Links: Any links within the menu that the user might interact with should be waited for, such as links to specific deals or categories.