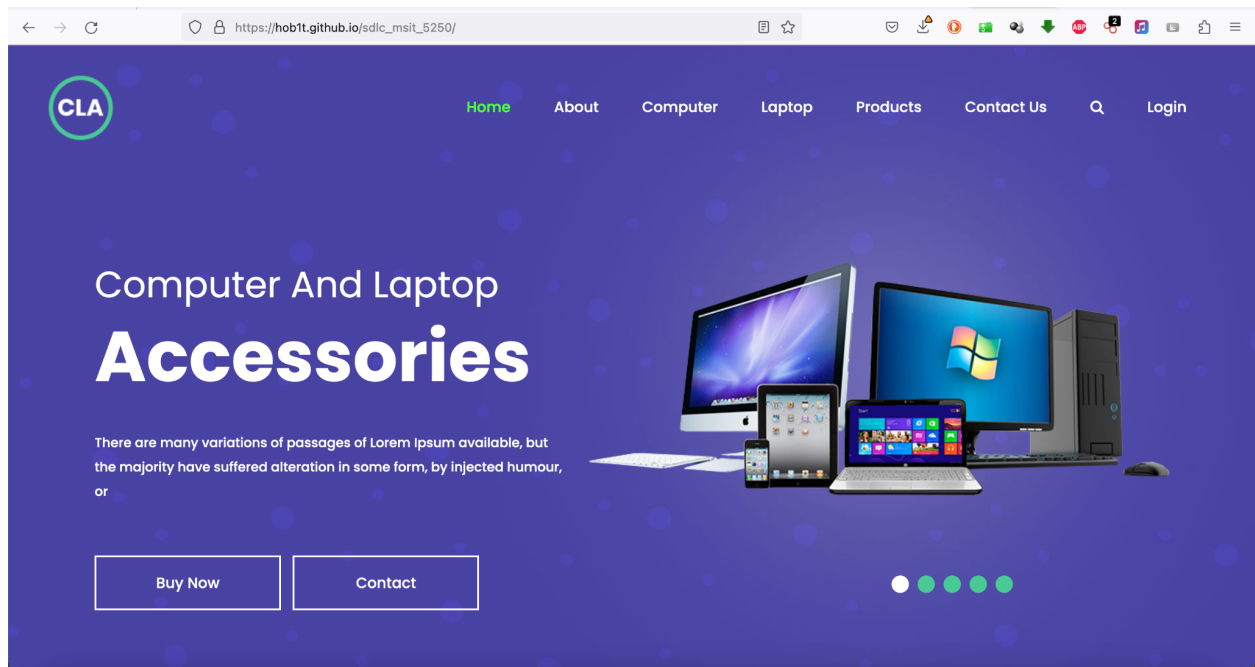Week_4_wa
Use the e-commerce website you chose in Unit 3.
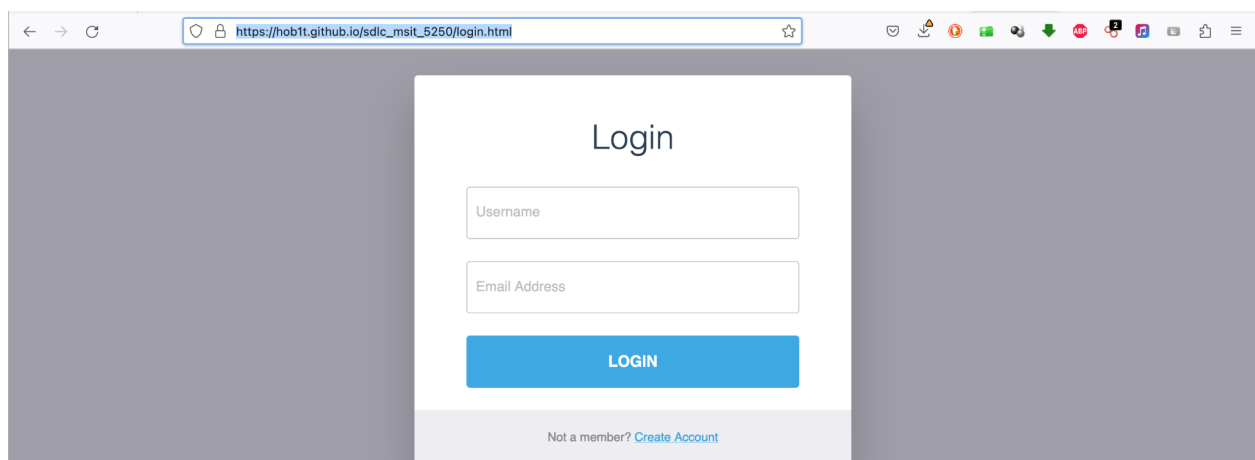
●   What is the name and URL of the e-commerce business you chose?

My site that I started to build is called futurama. It is an e-commerce company that sells computer and laptop accorities. The URL is here: https://hob1t.github.io/sdlc_msit_5250/.

●   How would you test the login page? What kind of errors/bugs may occur?

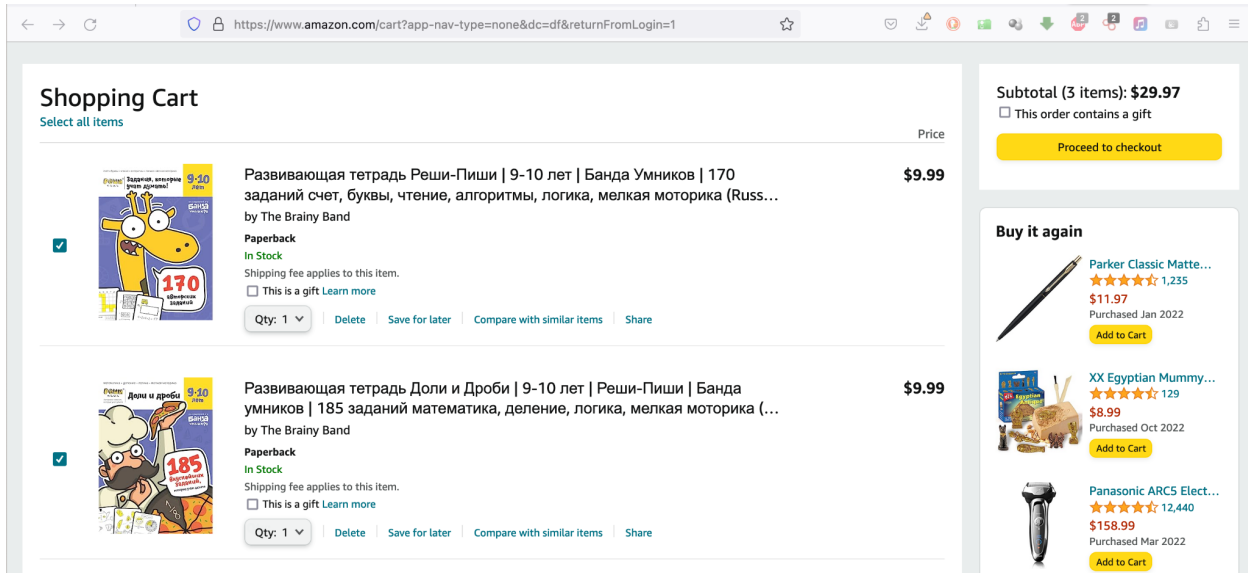URL: https://hob1t.github.io/sdlc_msit_5250/login.html

Functional test cases:

#	Functional Test Case	Type: Negative/Positive
1	Verify if user can enter to its account providing user name and password	Positive
2	Verify if user can enter to its account providing user name correct and password is wrong	Negative
3	Verify if user can enter to any account not providing either username or password	Negative
4	Verify if user can create a new account by clicking on "Create Account"	Positive
5	Verify if user can create a new account if one of the username or email address are not valid	Negative
6	Verify if username is not typed and clicked on "Login" button, "Please fill out the username" message shown	Positive
7	Verify if username typed, V sign shown	Positive
8	Verify if email address is not typed, "Please fill out email address"	Positive
9	Verify if email address typed, V sign is shown	Positive

Bugs found

# bugs	Bug description/How to reproduce
1	When the user types its username and email address, then clicks on "Login" no redirection happened.
2	Clicking on "Create Account" does not show a form where the user can enter its details.

● How would you test the shopping cart for functionality? What kind of errors/bugs may occur?
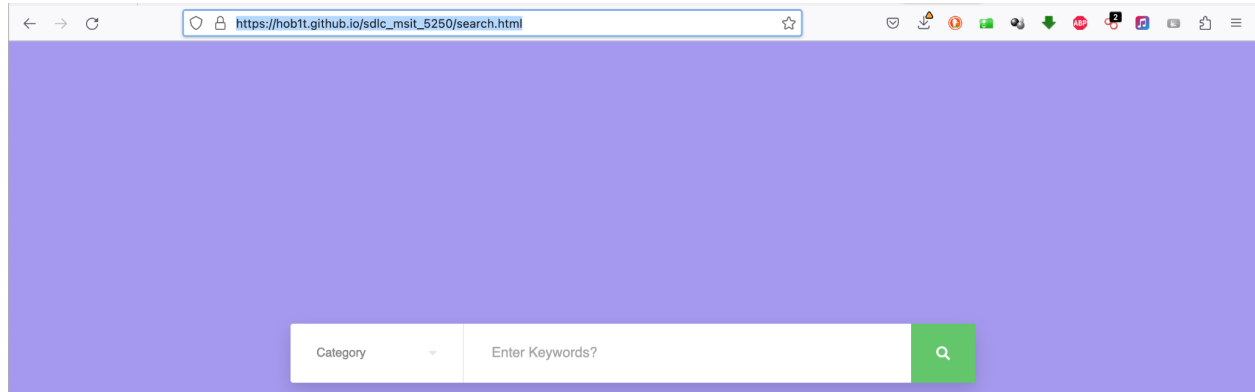
Functional test cases:

#	Functional Test Case	Type: Negative/Positive
1	Verify if user can see a list of ordered items	Positive
2	Verify if user's item contains description, availability, due to date and price	Positive
3	Verify if user can change the amount of item	Positive
4	Verify if user can order negative amount of items	Negative
5	Verify if user can remove an item from the ordered list	Positive
6	Verify if a price of each item is correct	Positive
7	Verify if a total is correct	Positive
8	Verify available options to pay: PayPal and GiftCard	Positive
9	Verify if possible to pay by stolen credit card	Negative
10	Verify if user can change delivery address	Positive

● What issues may occur if there were a problem searching for products?

URL: https://hob1t.github.io/sdlc_msit_5250/search.html

Functional test cases:

#	Functional Test Case	Type: Negative/Positive
1	Verify if user can choose a category	Positive
2	Verify if a category is not chosen, entered a key search, results are shown	Negative
3	Verify if a category is chosen and no search key entered, results are shown	Positive
4	Verify if search results are shown by 20 on each page	Positive
5	Verify if user uses doable quotes to ensure precise match	Positive
6	Verify if user enters regEx, results are shown	Positive
7	Verify if picture, short description and price are shown	Positive
8	Try to change URL parameters manually, sql injection.	Negative

Bugs found

# bugs	Bug description/How to reproduce
1	Category does not shown any item in it
2	Typing in the search area and clicking on "Search" does not get any results. No error appears.

- What issues may occur when paying for a product (checking out).

During checkout a couple things happen. A user has its items in the basket, clicks of Pay and then a site can get stuck. Payment transactions can be lost, or credit card providers have some issues which make it hard to check transaction details. A list of items can contain not all items that the user ordered. The items in the basket are not the same as it was in the picture and description. The worst, if the user clicks "Checkout" a number of times, and payment is done each time it clicks.

If a user ordered its items in a public place, using a public computer, it forgot to logout, another person can enter into its account and buy items for himself.

In addition to technical issues, Anna Von Flue also mentioned: "Shopping carts are abandoned for various reasons. From excessively high shipping costs (which, according to studies, is the most common reason for abandoned purchases in e-commerce at 62%) to long waiting times or, for example, when none of the preferred payment methods are available." She also adds: "The product is offered with a 25% discount on the homepage, but when you try to add it to your shopping cart, the carpet is sold out.".

References:
1. https://www.softwaretestinghelp.com/login-page-test-cases/
2. https://www.amazon.com/cart?app-nav-type=none&dc=df&returnFromLogin=1
3. https://support.bluesnap.com/docs/test-creditdebit-card
4. Anna von Flue. Biggest ecommerce challenges - https://mopinion.com/ecommerce-challenges-checkout-phase/