Evan Sheen PITTBEER.COM CS 1632 - FINAL DELIVERABLE Selenium Testing

https://github.com/eksheen/deliverable6-1632.git

For the final deliverable I choose to create selenium tests with the BDD model on a website, Pittbeer.com. I choose this website because I know the creator of the website (Craig Kodman and his group from 1520 last semester). I also did a few test runs in selenium on the website and it seemed to be quite responsive to the tests. The website also had a relatively simple page layout with not a lot of JavaScript which meant that there was nothing that I couldn't see and test. I couldn't really test the gift card functionality since the website isn't fully functional.

For this project I decided to deviate away from the usual eclipse and instead use Intellij. At first this caused a lot of issues as I had to figure out how to use maven to set up a test and then create a build configuration in order to get everything running. But once I got it all setup and good to go it made writing tests very easy. One issue with the site that I ran into was that the links in the nav-bar were not responding to the driver.findElement(.By.name()) and so clicking on them wasn't possible. In order to get around this, I had to simple navigate to the links instead of clicking on the link. There was also on issue with dynamic page layout. When loading funds, the funds counter at the top would change and there was no good way for me to keep track of the number. I did discover through manual testing that if funds were loaded successfully that you were always taken to the account page. Therefore, I test if funds were successfully loaded by seeing if the page after loading the funds is the account page.

Since this is not a fully functioning website I could do things like load dummy funds and I couldn't test actually ordering anything. So in the future if this website ever did become fully functional I would test how actually ordering beer would be. Create a user story for the checkout process.

▼ PittBeerTests (com.example.tests)

- SignIn
- sortBeerByPrice
- test5mile
- ® testAddFunds
- testOver21
- @ testSearchBeer
- testSortABV
- testSortByBrewery
- testSortName
- testSortStyle
- @ testTitle
- testViewOrders

User Stories:

1. User stories

- a. As a User I want to be able to sign in so that I can see my orders
- b. As a User I want to be able to sign in so that I can add more funds
- c. As a User I want to be able to sort beers based on price so I can find the cheapest beer
- d. As a User I want to be able to sort beers based on name so I can find my beer alphabetically
- e. As a User I want to be able to sort beers based brewery so I can find other beers from breweries I like
- f. As a User I want to be able to sort beers based on style so that I can see all beers of a certain style
- g. As a User I want to be able to sort beers based on ABV so I can find the beers that will get me the drunkest the fastest

2. Stakeholder Stories

- a. As a Stakeholder I want people to sign in with their emails so that I can email them about deals
- b. As a Stakeholder I want there to be a way to search the list of beers so that users can find what they need
- c. As a Stakeholder I want to deliver to a 5-mile radius so that we can keep deliveries fast and efficient
- d. As a Stakeholder I want to check peoples age when they visit the site so that we can screen out underage customers

Note: Check code for the Given/When/Then's