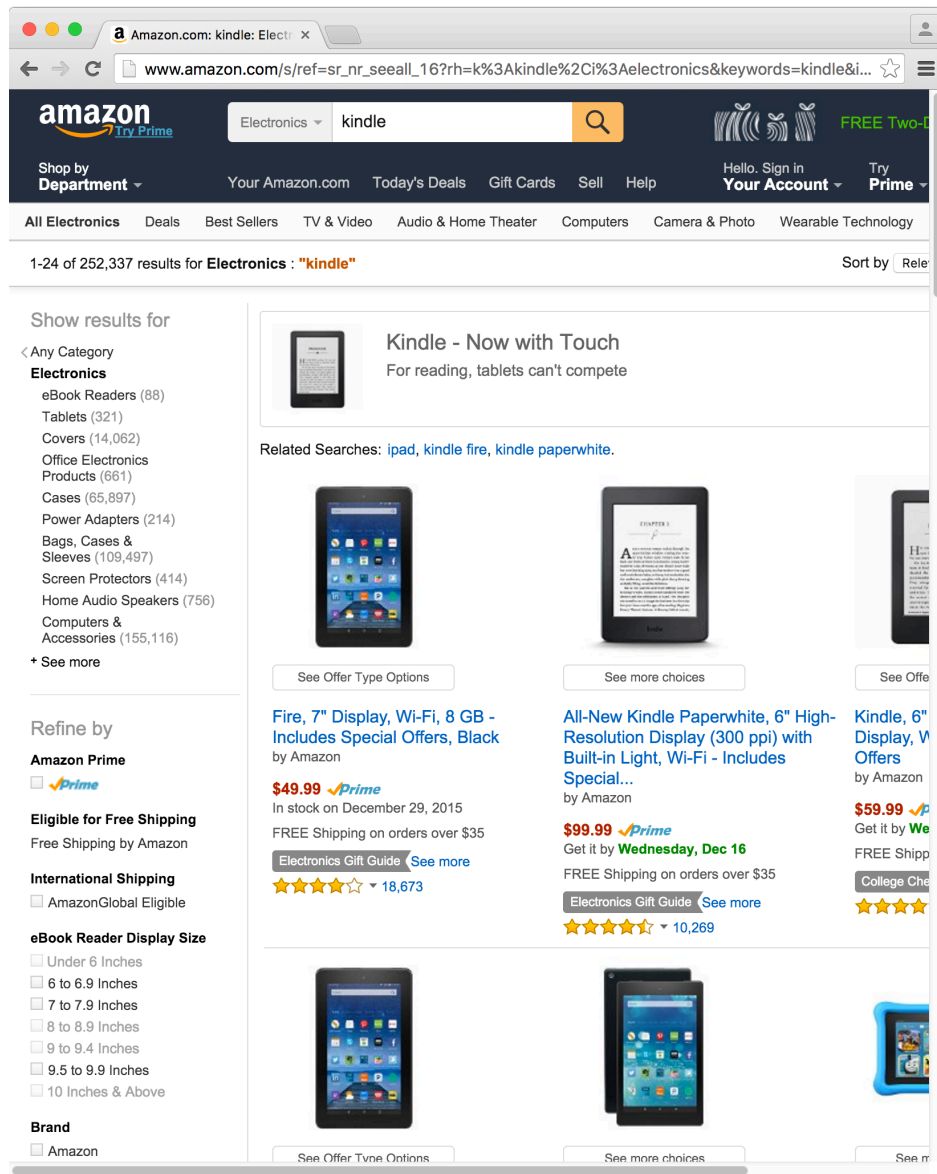


SOFTWARE TESTING METHODOLO HW 4

Explore the webdriver to do some test on amazon, search kindle fire HD in search text bar, and see the results do some test.



The test included:

1. Is this is amazon website?
2. if kindle in this search result?
3. if kindle Fire HD item in serach result?
4. if kindle Fire HD price is below 40.00 dollars

exwebdriver.py

```
1 from selenium import webdriver
2 from selenium.webdriver.common.keys import Keys
3 import time
4
5 def test_that_toasters_appear_in_search_at_correct_price_and_rating(browser):
6     # Customer goes to Amazon
7     browser.get("http://www.amazon.com")
8     assert "Amazon" in browser.title
9
10    # customer enters "kindle" in the search box
11    search_box = browser.find_element_by_name("field-keywords")
12    search_box.send_keys("kindle")
13    search_box.send_keys(Keys.RETURN)
14
15    # Amazon appears in the first page of results
16    browser.implicitly_wait(4)
17    results = browser.find_element_by_id("s-results-list-atf")
18    targets = results.find_elements_by_tag_name("a")
19    link = None
20    for target in targets:
21        if target.get_attribute("href").startswith("http://www.amazon."):
22            link = target.get_attribute("href")
23    assert link != None
24
25    # Customer clicks the Amazon link
26    browser.get(link)
27    browser.implicitly_wait(4)
28    assert "Amazon" in browser.title
29
30    # Page of kindle appears
31    assert "kindle" in browser.page_source
32
33    # Our kindle is on the page
34    assert "kindle" in browser.page_source
35    items = browser.find_elements_by_class_name("celwidget")
36    FireHDitem = None
37    position = 0
38    n = 0
39    for item in items:
40        n = n + 1
41        if "Fire HD" in item.text:
42            FireHDitem = item
43            position = n
44            break
45    assert FireHDitem != None
46
```