Clicktripz QA Automation Test

Clicktripz is an ad-tech company providing B2B services in the travel space. Our core business line is a comparison product. Our product launches to users when they do a search on a popular travel website, in the background we do the same search on multiple competing websites, and present the user with a comparison shopping experience to help them find the best deal on the web.

We work with hundreds of clients providing APIs, support, and even fully managed solutions where our clients just place 1 piece of Javascript code on their site, and we power all the functionality. Our products are flexible, and are often launched in creative ways (not within standard ad banner locations).

For example, one of our most popular launching methods is a pop-under. Our clients like the popunder solution because it doesn't interfere with the user flow on the site - but still allows them to monetize users who leave the site without completing a booking.

For this test, we'd like you to build us a docker container, that when ran, will test the execution of our popunder solution utilizing an automated testing framework.

What we will be expecting is:
- A Dockerfile defining the infrastructure of the automated testing framework you've chosen for this test.
- A set of commands that we would need to run to build and run the Docker container.
  - If you'd like us to mount any data to the container, please give us instructions on how to do so.
- The script that will be run by the Docker container to execute the test suite described below.
  - Note, even if this script is embedded into the Docker image, please send it separately as well.
- Instructions on where to find the results of the test suite once all tests are ran, and how to access it.
- A brief explanation of the reasoning behind the automation framework chosen to complete this task.

Test Page (note: you can't have any AdBlock software running):
- https://www.clicktripz.com/test.php

Test Steps:

For Hotel Citywide:
1. Open a new Chrome browser window and navigate to the Test Page.
2. Change the location in the City field.
3. Change the date in the Check-in field to next week's Friday date.
4. Change the date in the Check-out field to next week's Sunday date.
5. Change the number in the Guests drop-down to 2.
   a. Keep the Rooms drop-down set to 1.
6. Select the Search Hotels button.
7. Minimize the main browser window.
8. Change focus to the Exit Unit window. (capture a screenshot)
9. Select the 'Show me the first deal!' button on the welcome modal to dismiss it and expand the window. (capture a screenshot)
10. Click through each tab. (capturing screenshots of each tab after they load)
11. Capture the Exit Unit URL.
12. Close both browser windows.

For Flights:
1. Open a new Chrome browser window and navigate to the Test Page.
2. Select the Flights form.
3. Change the airport in the From field.
4. Change the airport in the To field.
5. Change the date in the Departing field to next week's Friday date.
6. Change the date in the Returning field to next week's Sunday date.
7. Change the number in the Travelers drop-down to 2.
8. Select the Search button.
9. Minimize the main browser window.
10. Change focus to the Exit Unit window. (capture a screenshot)
11. Select the 'Show me the first deal!' button on the welcome modal to dismiss it and expand the window. (capture a screenshot)
12. Click through each tab. (capturing screenshots of each tab after they load)
13. Capture the Exit Unit URL.
14. Close both browser windows.
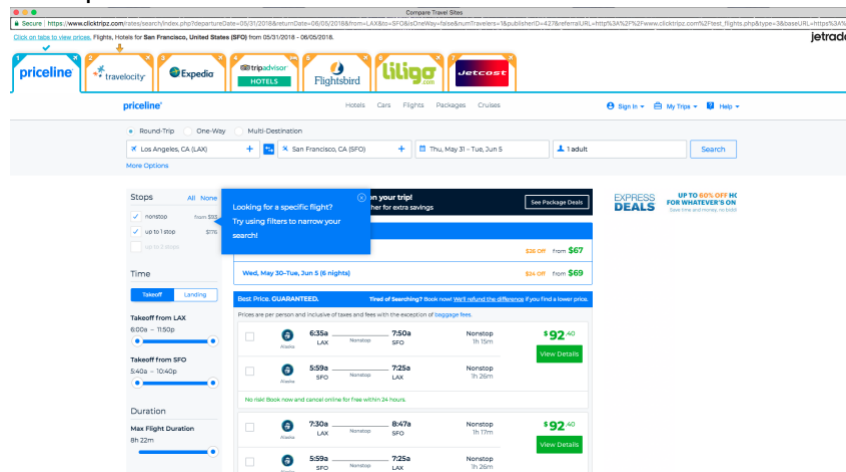
Test Results Should Include:

1. Capture a screenshot of the Exit Unit window (both hotels and flights) when it initially loads.
   Example screenshot:
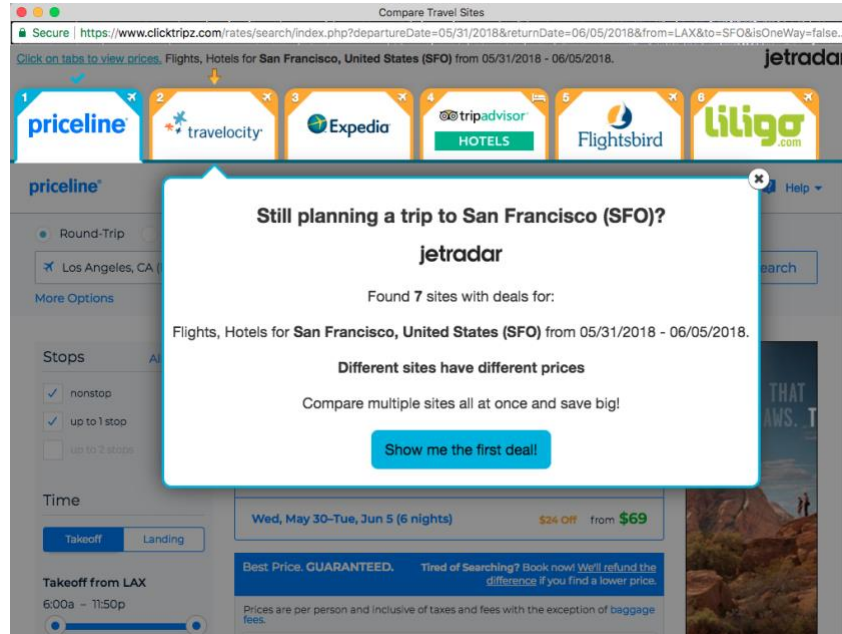
2. Capture a screenshot of the Exit Unit window (both hotels and flights) after the "welcome modal" is closed.
   Example screenshot:

3. Capture a screenshot of the Exit Unit window (both hotels and flights) with the focus on tab 2.

4. Capture a screenshot of the Exit Unit window (both hotels and flights) with the focus on tab 3.

5. Capture a screenshot of the Exit Unit window (both hotels and flights) with the focus on tab 4.

6. Capture a screenshot of the Exit Unit window (both hotels and flights) with the focus on tab 5.

7. Capture a screenshot of the Exit Unit window (both hotels and flights) with the focus on tab 6.

8. Capture a screenshot of the Exit Unit window (both hotels and flights) with the focus on tab 7.

9. The URL for a Hotel Citywide Exit Unit window.
    Example URL:
    https://www.clicktripz.com/rates/search/index.php?city=Madrid%2C%20Spain&checkInDate=05/06/2018&checkOutDate=05/08/2018&rooms=1&guests=1&publisherID=4&referralURL=http%3A%2F%2Fwww.travbuddy.com%2Ftest.php%3Fcity%3DLong%20Beach%2C%20CA&type=1&baseURL=https%3A%2F%2Fwww.clicktripz.com&campaignIDs[0]=19809&campaignIDs[1]=4353&campaignIDs[2]=6275&unchecked_campaignIDs[0]=3359&unchecked_campaignIDs[1]=1700&unchecked_campaignIDs[2]=3757&unchecked_campaignIDs[3]=2754&hostname=www.clicktripz.com&isPopUnder=true&searchKey=2fe7b7ce5d082ad555ca624b43a41069&auctionType=100&productType=exit_unit&maxSearchesPerDay=86400&hardLimitSearchCap=9999&hardLimitSearchCapSeconds=1&searchDisplayType=4

10. The URL for a Flights Exit Unit window.
    Example URL:
    https://www.clicktripz.com/rates/search/index.php?departureDate=06/10/2018&returnDate=06/15/2018&from=LAX&to=SFO&isOneWay=false&numTravelers=1&publisherID=4&referralURL=http%3A%2F%2Fwww.clicktripz.com%2Ftest_flights.php&type=3&baseURL=https%3A%2F%2Fwww.clicktripz.com&campaignIDs[0]=6284&campaignIDs[1]=4362&campaignIDs[2]=17147&unchecked_campaignIDs[0]=4693&unchecked_campaignIDs[1]=4377&unchecked_campaignIDs[2]=3965&unchecked_campaignIDs[3]=3367&hostname=www.clicktripz.com&isPopUnder=true&searchKey=84509192a77ecb58b6e0dcea3cbb7e48&auctionType=100&productType=exit_unit&maxSearchesPerDay=86400&hardLimitSearchCap=9999&hardLimitSearchCapSeconds=1&searchDisplayType=4