

QA Automation Code Challenge

Requirements

- Place your code in a GitHub repo that we can clone
- Use Selenium Webdriver with Java (or a language of your choice)
- Use BDD framework of your choice
- Use TestNG or JUnit as your underlying testing library; either is fine

Coding Exercise:

Using Chrome browser for your automation, go to www.autotrader.com and automate the following steps.

- On the home page, verify that the following types of elements are present:
 - Links: Browse by Make, Browse by Style, Advanced Search
 - Buttons: Search
 - Drop downs: Make, Model
- Click on the 'Advanced Search' link on the home page and do the following:
 - Enter 30004 in the 'Zip code' text box
 - Select the 'Certified' check box under 'Condition'
 - Select the 'Convertible' check box under 'Style'
 - Update the 'Year' drop down menus as follows: select 2017 as **From** year and select 2020 as **To** year
 - Select Make as 'BMW' under Make, Model & Trim section
- Click the button 'Search' at the bottom of the page
- You will see some results/listings in the next page
- Assert that you see only BMW cars in the results page
- Log to the console, the total number of cars/listings you see in the results page

What We're Looking For

What's your style? How do you approach this project? Expect that the initial interview will involve talking about the choices you made.

How do you want the output to look - if you have a lot of time and want to show off your reporting skills, feel free to do so. Have less time? Print out the data/results that we are looking for directly to the console and indicate whether your tests were successful or not - this isn't about scoring bonus points with us, it's about showing us you know the bare minimum and giving us something to chat about during the subsequent interview.

How long will this take - that totally depends on you. We think an estimate for something like above will be about 45 - 60 minutes. Doing above and beyond is on you.

If you have questions - please feel free to reach out to us through the recruiter and ask! We're a collaborative team and would be happy to discuss the challenge and clarify anything for you.