

## **SDET - Guaranteed Rate Homework Exercise – Automation Project**

- ✓ If you could complete the homework in GITHUB, it would be greatly appreciated!
- ✓ Please do NOT put Guaranteed Rate's name anywhere in the title of the assessment since it will be posted on a public platform.
- ✓ Please note that the directions are purposefully ambiguous, this is a chance for you to showcase your skill set and do something you are proud of
- ✓ I encourage you to put your best foot forward in the homework, for this determines whether you are moving forward to a final round interview

### **Why the homework?**

*Welcome! Here at Guaranteed Rate we work with the best of the best. That's why for engineering candidates we want to see a sample of their code. It also helps to have a more productive conversation during the Technical Interview. Thank you for putting your time and energy into this!*

### **The homework**

This assignment is designed to be completed on your own time. You may use any resources you need to complete it, including emailing questions to me. However, please be sure that you've googled and read docs thoroughly prior to asking questions.

The work will determine whether we bring you in for technical interview. We encourage you to put your best foot forward!

### **Rules and Guidelines**

- We will be looking at the readability and cleanliness of your code.
- Provide unit tests. The cleanliness and readability of tests is just as important as your production code.
- Think simple. Readability and modularity are better than being clever.
- Track your changes in a git repository and make your commits atomic.
- Send a public link to your git repository (e.g. via github or gitlab)

\*\*\*PROJECT – HW BELOW

This is a project to automate the following actions using the Page Object Model:

- 1) Go to Cars.com and:
  - Select `Used Cars`
  - Select Make `Honda`
  - Select Model `Pilot`
  - Select Price `50000`
  - Select Distance `100 miles`
  - Enter Zip Code 60008
  - Click `Search`
- 2) Validate using assertions that 4 filters are displayed next to `Clear All`
  - Max Price is 50000
  - Selected Make is Honda
  - Selected Model is Pilot
  - Selected `Used`
- 3) Select `New` radio button from New/Used
- 4) Validate using assertion that the `New` filter is displayed and `Used` is NOT displayed
- 5) Select Touring 8-Passemger from Trim
- 6) Validate using assertion that the `Touring 8-Passenger` filter is displayed
- 7) Select the second available car
- 8) Validate using assertions:
  - Selected car title contains `Honda Pilot 8-Passenger For Sale`
  - `Check Availability` button is displayed
- 9) In the Contact Seller section enter:
  - First Name: Car
  - Last Name: Owner
  - Email: [carowner@yahoo.com](mailto:carowner@yahoo.com)
- 10) Scroll down to `Payment Calculator` and take a screenshot