**QA Engineer Technical Test**

JUST EAT has a website available at [http://www.just-eat.co.uk/](http://secure-web.cisco.com/1fI373ZcP6ig_lwl3uhNGRlTVvu9pamkz0kMfcIfCJEZ8lfFKug6qzxRse2KSi4uYoRUDFKZ0p4siA64XYkxeUyRV9ln_4UbzHFjhTuz92hZ3geAhivpPn6Xf5FuyPXbzMyrzVQymrWAFtP64vOqhycc0SdGXOVklmRSmSa7VZBpSBZzvK8xTYDBv3BYKr8rh--Ks1J1oc4SlEI-TIhtcsKmIXwEpgbp-F9IJgo9dvr27wIhofCxAZVKaJv744ivREEk_vp-UiT7WjicTwyV5q-UqpCkU70VsfoNtNg5phlomubyn47kCkPfAN8ZOJkzO4xA2uL-K-zMM8IguOwudsw/http%3A%2F%2Fwww.just-eat.co.uk%2F) that you can use to find takeaway restaurants in a postcode area.

The Technical test consists of 2 tasks:

       Write the step definitions for the below scenario.

       Feature: Use the website to find restaurants

* So that I can order food
* As a hungry customer
* I want to be able to find restaurants in my area

        Scenario: Search for restaurants in an area

* Given I want food in "AR51 1AA"
* When I search for restaurants
* Then I should see some restaurants in "AR51 1AA"

**Platform Choice**

You can create step definitions using any language of framework you are experienced with. The Resume/Script/Technical Answers should be posted to **my One Drive** (link to be sent later)

**Task requirements**

Feel free to spend as much or as little time on the exercise as you like as long as the following requirements have been met.

·         Please complete the two tasks described above.

·         You should provide clear instructions on your test setup and how to execute your tests. The clarity and precision of these instructions - and the ease with which the interviewers can execute them - will be a key part of the assessment. Please create a README file detailing said instructions. Please also use this file for listing any additional comments or observations you might want to share about your submission.

**Technical questions**

Please answer the following questions in a markdown file called Answers to technical questions.md.

1. **How long did you spend on the technical test? What would you add to your solution if you had more time? If you didn't spend much time on the technical test then use this as an opportunity to explain what you would add.**

Ans: I spent about 1.5 hrs on the technical test. If I had more time, I could have explored options like directly click on “Find a restaurant” and then be re-directed or explored more test cases. Another thing I could have approached would have been to add data (if there were more data set) via the scenario outline.

1. **What do you think is the most interesting trend in test automation?**

Ans: The trend of Artificial Intelligence and Machine Learning is fascinating and though it is not new, it keeps having advancements. The very recent development of being able to utilise large amounts of data definitely poses new opportunities. AI/ML algos are developed and advanced to generate better and elaborative test cases, test scripts and reports etc.

1. **How would you implement test automation in a legacy application? Have you ever had to do this?**

Ans: When handling a legacy application, the team needs to keep the below pointers/questions in mind:

* prioritize the critical areas of the app
* Write manual regression test scripts for each area
* Budget time in each sprint to write GUI smoke tests for those areas
* Execute the test suite at least once a day with the CI framework
* All new development should have adequate tests
* What is the poorest quality areas of the application
* Key/functional area that generate most money for the business
* Business prefers more features or better quality
* Biggest risk areas

Yes, I have worked on a legacy application in my first project, where we had to work on the application which consisted of multiple frames etc and we had to prepare test scripts for the regression suites.

1. **How would you improve the customer experience of the JUST EAT website?**

Ans: Below are some of the pointers that I would add to enhance the customer experience:

* The web page loads in about 5 sec : Scope to improve this
* Arrange the restaurant listings according to the ratings
* Give a chat window for any QnA

1. **Please describe yourself using JSON.**

Ans: {

"introduction": [

{

“firstname":"Palaq”,

“lastname”: “Bansal”,

“experience”: “7 yrs”,

“occupation”: "QA Automation Engineer”,

“language”: “Java”,

“tool”: “Selenium”,

“status”: "Permanent Resident”,

“hobbies”: "gardening”,

“strength”: “focused”,

}