# **Technical Test - Senior QA**

Thank you for your interest in the Senior QA role at Shelter. As part of the interview process, we’ve put together a few tasks and scenarios, to see how you approach automated and manual testing.

**Notes before you start**

* You should be able to complete the tasks within two hours, so please choose the level of detail accordingly
* Some of the questions can have more than one right answer or approach, so please choose the most sensible approach from your perspective and tell us why you chose it
* Please include any comments or working assumptions you may think are relevant to your answer

**Question 1**

We would like to validate all form fields on the URL below with multiple data sets.

<https://campaigns.shelter.org.uk/tell-pm-everyone-needs-safe-home-during-lockdown>

**What would be your approach to test form fields with a large amount of multiple data sets?**

* The test scenario should be written in Gherkin-Cucumber format
* You should provide for a minimum of three data sets in your scenario
* Please provide one scenario, and then add explanation and context for any different solutions or variations

**Question 2**

Tell us four things you would consider before choosing a test case/scenario for an automation pack.

**Question 3**

As part of the current sprint, you have been asked to use automation testing to test accordion links on this URL: <https://england.shelter.org.uk/support_us/events/faqs>

**Please write down all relevant selenium scripts to perform this test case (automation).**

* Please make sure your script includes syntax, web elements and all relevant information to perform the automation test case
* Please use an OOPs based language (ideally Java)
* Note: Assertion not required as a part of this task

**Question 4**

You had been asked to test a 'responsive website' without being given any other instructions or context. What areas would you focus on?

**Question 5**

An ATM is required to work in the following way:

*If a card is inserted into the card slot, check whether the card is valid. If the card is invalid, reject the card and exit. If the card is valid then request a PIN number. Once the PIN is entered, check if the PIN is valid. If it is not, then display a message “Invalid PIN number” and the number of attempts left. If 3 attempts have been made with an invalid PIN, then the ATM retains the card. If the PIN is valid, then display these options for the user to choose:*

* *Cash withdrawal without receipt*
* *Cash withdrawal with receipt*
* *Balance*
* *Cancel*

For the whole exercise, assume that you are only working on the user journey from inserting the card to displaying the options.

**Please list the all test scenarios you would produce to test this application. State any assumptions.**

* Please write down at least three scenarios using the Gherkin syntax