

Offline Challenge

Please make sure you read this document in its entirety.

Overview

Please perform testing to cover the requirements of the steps that follow. That work should be completed as you would be happy delivering to a paying client, keeping in mind the simplicity comments below.

This is designed to be a straightforward testing and test automation exercise, and it should take you no more than 90 minutes.

The purpose of the exercise is to help us understand how you approach both manual and automated testing tasks. The target of the exercise is a fictitious hotel booking website and can be found at <http://hotel-test.equalexperts.io/>

The website is hosted using a micro AWS instance, which is shared by multiple testers. Please bear this in mind as you test.

The Exercise

Part 1

- Manually test the hotel booking system, based upon your own testing intuition (no requirements are provided)
- Write a brief summary of the testing you performed, such that another tester could continue your work.

Part 2

- Create one or more automated tests to check the creation and deletion of bookings.
- Your automated tests should be written in Java, Kotlin, Scala or a .NET language.
- Please package your tests in a way that allows us to instantly see them running.

Archive your solution as a zip file and send as email attachments to your recruitment contact, following the guidance set out below.

Note: Please *don't* include the compiled code in the zip files. We won't use it, and it causes trouble with many email systems.

Please do not submit Dropbox or Google Drive links. They don't meet the requirements of our anonymous submission policy.

Note for Gradle Users: Normal best practice would be to include the gradle wrapper in your build script. However, this causes the project to include .jar and .bat files, which can cause trouble with a lot of email systems. You don't need to include a gradle wrapper with your project. The reviewer will have the latest version of gradle installed on their system if gradle is used.

Anonymous submission

We practice a blind review process for all submissions, so please don't include your name (or the name of your limited company) anywhere in your submitted source code, documentation, comments, or zip files. This makes our interview process as fair and systematic as possible.

The person who reviews your submission won't have access to your CV or know anything about you, including your name.

Obviously, do include your name in the email you send, so we know who submitted the code! This won't be shared with the reviewer.

What we are looking for:

Test Approach: We want to see how you choose to approach your testing and adapt to the job at hand.

Build file: Please provide an automated build file that compiles your code and runs the tests. For java submissions, a Gradle or Maven build file is ideal. Submissions without an automated build will not be accepted.

Simplicity: We value simplicity as an architectural virtue and a development practice. Solutions should reflect the difficulty of the assigned task, and should not be overly complex. Layers of abstraction, patterns, or architectural features that aren't called for should not be included.

Self-explanatory code: The solution you produce must speak for itself. Multiple paragraphs explaining the solution are a sign that it isn't straightforward enough to understand purely by reading code, and are not appropriate.

Deliverable

Include a readme: Please include a readme file in the root of the project which states any requirements to run the code, and commands needed to run the code. Assume the reviewer is unfamiliar with your choice of framework and/or build tools and maybe using a different IDE.

These instructions: So we know what version of the instructions you've been given.