Instructions for the SDET assignment

Objective

This exercise aims to evaluate your capacity to independently create a test strategy for an existing GraphQL API and implement it via an automated test suite that can document the current behaviour.

Requirements

Inspect the following GraphQL interface: https://sz-sdet-task.herokuapp.com/graphql.

This API represents two entities that are at the core of our product:

- Roles: Equivalent of jobs like BE Engineer, SDET, Engineering Manager, etc.

- Skills: Capabilities required to execute each role like Java Programming, Cypress, Leadership, etc.

With this API, you can:

- List, find, create, update and delete Roles.

- List, find, create, update and delete Skills.

- Associate a skill to a role.

Please define a test suite that documents the API's actual behaviour and highlights any potential bugs introduced by our engineers. We expect you to produce an automated test suite that can be run from the command line and produces a report documenting the behaviour and possible errors.

You can choose any tool and language as long as it can be executed on Windows and Mac computers.

Deliverables

- Instructions on how to execute the test suite (preferably from the command line)

- Source code of the test suite.

- Links to any binary required to execute the tests.

- Report from a previous execution of the tests.