Coding challenge for Quality Assurance Engineer

For this task, imagine your team is responsible for the Digital Assistant, a web app where users can calculate the cost for comprehensive, civil-servant, clinic and dental insurances tariffs. After entering all personal data, a result page with the calculated tariff premiums is shown as well as three follow up actions - request a consultation appointment with our agents, request an offer email, or directly start a signup.

Define the QA strategy

No need to code yet, just briefly explain your answers here.

1. What types of tests would you create to cover this app?

2. Describe briefly what test cases would you write, and which ones would you cover with automated tests? Name a couple of edge cases you've noticed.

Let's code!

Part 1 – Frontend Test

At ottonova we use Cypress as our test automation framework. Automate the following path through, write a test suite including:

1. Go to https://www.ottonova.de/online-beitragsrechner

2. Accept the cookie banner by clicking on „Alles Akzeptieren", if it shows.

3. Select "Angestellt" as employment and enter an income of "80.000".

4. Select "Vollversicherung" and "01.06.2026" as start date from the dropdown.

5. Write some tests to assert birthdate input field error messages.

6. Enter a valid birthdate and proceed to the next page.

7. Store hardcoded test input (ex. birthdates) into a fixture file and use it in your tests.

Part 2 - Backend Test

Please write some automated tests for pokeapi:

1. Send a GET request to https://pokeapi.co/api/v2/pokemon/pikachu

   .a Assert the response status.

   .b Assert that the response is for a pokemon named 'pikachu' and its ability 'lightning-rod' is complete.

2. Send a get request for 'charmander', modify the response to return status 404.