TEST PLAN

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Application Under Test: Deel (https://app.deel.training/signup)

Features to be tested:

- Sign up - Individual details form (fields and flow)

Deliverables:

- Test plan
- Test cases
- Report

Tools:

- Cypress
- Cypress-axe for accessibility check
- Mochawesome reporter

Approach:

- Definition of test cases for the following fields
    1. First name
    2. Timezone
    3. Phone number

- Test cases will contain test about data compatibility, logic and mandatory verification
- Usage of automated accessibility check

Stages:

1. Create a project and set it up with cypress, cypress-axe and mochawesome
2. Creation of 3 distinct spec files in the suite: smoke-spec, regression-spec, e2e-spec
3. Development of tests
4. Local execution to verify the behavior of the automation project

Report:

- I will use the Mochawesome plugin to generate the report locally

Test types

The answer below was created having in mind the Sing Up screen and its UI elements and behavior.

- Sanity (smoke) test

  Given the context of this exam and the flow provided, in this strategy I would like to see tests that include wider groups of elements with the aim of making sure that the flow is fine. These tests are testing overall stability, they are not as detailed as the tests in the regressions strategy. Therefore I would consider negative and positive cases when completing all the form.

  Example:

  a) Make sure that the interactive elements (fields, buttons) are ready for the interaction (there is no element covering the form, every input element is clickable)

  b) Test different combinations to verify obligatoriness, such as: leaving all the fields blank and checking if the flow is paused or the user is able to go to the next form even without filling the previous data.

- Regression test

  For the regression test I would like to create tests focused on small groups of elements so we would get verification in different levels: UI, data compatibility and input correctness. In this spec there must be tests regarding user interface checkings. These are more detailed tests.

  Example: Testing the fields of the form

  First name is obligatory and alphabetical, there must be tests to confirm

  a) the change of color when trying to save the form with this field in blank
  b) the impossibility of saving the form with incorrect data, such as only symbols in the field (*name: {}*) and other edge cases like (*name: a*)
  c) the impossibility of entering wrong data (*birth date: 09 / september / 1995*).
  d) accessibility checking would be in this spec too

- End2End test

  In this strategy I would create e2e tests both for positive and negative cases, regarding all the sign up screens.

  Example:

  a) Make sure all the flow is okay, verifying all the flow from the first form to the last one. I believe tests involving email confirmation would be interesting here.
  b) Make sure the steps in between the flow are correct, that is: after *Client sign up* comes *Entity details* screen. It would be interesting to have the help of visual testing tools (like Percy, for example) in these scenarios.