

Test Automation Engineer assignment

Testing the Dashboard Functionality

INTRODUCTION

Thank you for applying for the Test Automation Engineer position at Incode.

Incode is the leading provider of the world-class identity solutions that is reinventing the way humans authenticate and verify their identities online to power a world of digital trust.

We are in the process of rapidly scaling our diverse global team and we're looking for entrepreneurial individuals and leaders who are curious, driven, and excited by ownership to join a Unicorn-status scale-up!

To better understand your aptitude as a Test Automation Engineer, we invite you to complete the following exercises. They can be completed using any framework you prefer or think would have the best fit for the requirements.

NOTE: *We are not only going to look at the automation tests themselves we will also look at the overall design, architecture, and decisions taken into consideration, so if you would like to shed lighter, please provide it to us a document of your choice).*

Good luck!

THE PROJECT

For this exercise you will be required to investigate and test manually, and also to create automation tests which will exercise multiple functions of a dashboard web application. Use environment - [Demo](#)

Credentials:

Clientid-**qaautotest4901**

username-**qa.auto3@incode.com**

password- **QYD4gby1fqr-efh*yfx**

MANUAL PART

As part of our testing process, it's essential for you to conduct manual and exploratory tests on the dashboard web application. Focus on understanding how the application functions in real-world scenarios, identifying any usability issues, and evaluating the overall user experience. Take note of how the application operates, its responsiveness, and the overall navigation experience. Your insights on what works well and what could be enhanced or added will be crucial. Please provide specific suggestions for improvements to ensure the application aligns with user needs and expectations.

Expected output from manual exploratory testing:

- Application functionality overall - Description of the primary functions and flow
- Suggestions for Improvement – if you found any
- Unexpected Behaviors or Bugs – if you found any

AUTOMATION PART

Please make sure to provide full details on how to build, access and execute the tests. What installations are needed (the framework, language you chose, what runtime version is required, packages, external libraries etc..), how to run the install process, how to run the code and example code (if needed) that we can run to test the project.

Please build the automation tests which will cover the following:

Test case Sessions

- On sessions* page assert that 'NAME' from table is the same as 'FULL NAME (OCR)' when you open a single session.

Test case Identities

- From single session page click on 'Add face to database' and then open Identities page and confirm that identity is there.

Test case Flows

- Create a new active flow with the following modules: ID Capture, ID Validation and Face Capture. Assert that flow is created.

* To get a session you need to manually finish the onboarding process on any device using this [flow](#)

NOTE: Be sure to include a test completion report.

BONUS POINTS

For additional consideration cover all of the test cases listed above. Also a more detailed output after manual testing, covering specific observations, will be highly valued.

RESTRICTIONS

Use Java language, combined with any additional tools for execution, reporting etc.

EVALUATION

- Time is not a major factor but please let us know how long you took.
 - Be prepared to participate in a review to discuss your answers.
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TOOLS

- Use any materials you find helpful. You are not going to get dinged for using your favorite charting tool, image editor, materials you find off the internet, etc.

GOALS / MEASURES OF SUCCESS

You can choose to make this as simple or as complicated as you think it should be to satisfy the requirement. Of course, the more you put into it, the better an impression you will make! That does NOT however necessarily mean more in QUANTITY. Among other things, we are looking to measure you on:

- Completeness of vision.
- Code quality.
- Ability to rationalize your way through assumptions around unknowns.
- Understanding of tools, methods, technologies, and project needs.
- Written and verbal communication skills.

