## Task 1: Automate API Requests and Verify Responses

**Objective:** Automate requests to the Airalo Partner API and validate the responses.

**Choice of Framework/Language**: Cypress/JavaScript

**Reason**: Cypress is an excellent choice for automating API testing in most scenarios due to its ease of use, real-time debugging, and integration capabilities.

**Automation Approach:**

1) Define variables and constants

2) Automate POST API for obtaining OAuth2 tokens to access the Airalo Partner API, using the provided credentials and save the token to be used in subsequent AIRALO APIs

3) Automate POST API to order 6 "merhaba-7days-1gb" eSIMs. Save the order ID to verify configured eSIMS through the GET API.

4) Automate GET API to list eSIMs related to your specific order Oobtained through step-3. Ensure the list contains 6 eSIMs, and that all of them have the "merhaba-7days-1gb" package slug.

**Artefacts:**

1. Test case script -attached (**TEST\_FILE.spec.js**)
2. Screenshots
   1. Successful execution of all test cases.

A screen shot of a computer code

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* 1. Test-1: Obtain OAuth2 token to access the Airalo Partner API, using the provided credential
* Verify token generation using provided client id and secret.
* Verify 200 success response
* Verify property access\_token

A screenshot of a computer screen

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* 1. Test-2: Submit eSIM Order by using POST request
* Automate POST API with variable headers and body parameters.
* POST API order for **6** "merhaba-7days-1gb" eSIMs by using the token extracted in previous test case.
* Verify 200 OK response
* Verify response body for the correct information and eSIM properties

A screenshot of a computer program

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* 1. Test-3: GET eSIM Order status for your order ID to ensure all the eSIM are configured with correct package
* Automate GET API with variable headers
* Extract ESIM for order details saved from previous POST API ( in this case Order ID: 182727).
* Verify 200 OK response
* Verify ensure all the eSIM are configured with correct parameters e.g. package\_id – merhaba-7days-1gb
* Verify there are 6 eSIMs under ORDER ID: 182727 ( 6 Matching Objects ).

A screenshot of a computer program

AI-generated content may be incorrect.

**Few Considerations:**

* We can add more log statements to print full API response or a particular API response object for debugging purpose for error scenarios.
* We can add negative scenarios by playing around the configs and passing wrong tokens, header or body parameters.
* Constants and Variables should be stored in a secure vault or environment variables