# C#/SpecFlow/Playwright - TOKENPARSER API

C# Minimal API Server setup provides a fully functional TOKENPARSER API with three endpoints, documentation using Swagger, and testing using Playwright and SpecFlow with BDD/Gherkin Test Cases.

The TOKENPARSER API has three endpoints:

* Alive (GET): Health checker of the API.
  + Success should return JSON response with a Status code of 200 –
    - Response Body : { "Status": "ALIVE-AND-KICKING" }
* Parse-dynamic-string-token (GET): Outputs a computed string from an input token string.
  + Success should return JSON response with a Status code of 200 –
    - Response Body : { "ParsedToken": "generatedstring" }
  + Error should return JSON response with a Status code of 400 –
    - Response Body : { "Error": "error message" }
* Parse-date-token (GET): Outputs a computed date from an input token string.
  + Success should return JSON response with a Status code of 200 –
    - Response Body : { "ParsedToken": "generatedstring" }
  + Error should return JSON response with a Status code of 400 –
    - Response Body : { "Error": "error message" }

Below are code snippets of the Alive (HealthChecker) endpoint, swagger definition, together with the BDD/Gherkin Feature file containing the basic test case scenarios, and the step implementation of that test case scenario.

## Alive Endpoint Server Code – Swagger Definition

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## Alive Endpoint Feature

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## Alive Endpoint Steps

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RequestHelper Helper Class

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## Starting the API(Locally)

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Successful Run of the Alive Endpoint Feature  
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Swagger UI  
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## Repository:

<https://bitbucket.org/UCAS/ucas.automation.smoketests.api.poc/branch/dev/MDT-automation-base>