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# Web Api : Test cases in gherkin language:

Scenario: Verify API Endpoint Availability

Given the Web API server is running

When I send an HTTP GET request to "/api/home"

Then the response status code should be 200

Scenario: Verify Response Format

Given the Web API server is running

When I send a request to a sample API endpoint

Then the response should be in JSON format

Scenario: Test Unauthorized Access

Given the Web API server is running

When I send an HTTP GET request to a protected API endpoint without authentication

Then the response status code should be 401

Scenario: Test Valid User Authentication

Given valid user credentials are available

When I authenticate with the valid credentials

And I make a request to a protected API endpoint

Then the response status code should be 200

Scenario: Test Invalid User Authentication

Given invalid user credentials are available

When I attempt to authenticate with the invalid credentials

And I make a request to a protected API endpoint

Then the response status code should be 401

Scenario: Test Input Validation

Given the Web API server is running

When I send a request to an API endpoint with invalid or missing parameters

Then the response should contain a validation error message

Scenario: Test Positive Scenarios

Given the Web API server is running

When I perform various valid scenarios on the API

Then the responses should indicate success based on the scenarios