**RESTful API BDD Test Cases (Gherkin)**

**Feature**: Test RESTful API CRUD Operations  
  
**Background**:

Given the swagger endpoint URL http://localhost:8888/api/ is opened

**Scenario**: Retrieve the list of blog categories using GET Operation

Given user navigates to GET /blog/categories/

When user clicks on ‘Try it out!’ button

Then list of blog categories should be returned in response body

And HTTP response code 200 should be returned

**Scenario**: Retrieve the list of posts in a particular blog category using GET Operation

Given user navigates to GET /blog/categories/{id}

When user enters valid numeric value in parameter ID field

And user clicks on ‘Try it out!’ button

Then list of posts in a particular blog category should be returned in response body

And HTTP response code 200 should be returned

**Scenario Outline**: Test negative scenarios for GET operation

Given user navigates to GET /blog/categories/{id}

When user enters invalid <id> in the ID field

And user clicks on ‘Try it out!’ button

Then a generic error message should be displayed in response body

And HTTP response code 404 should be returned

Example:

| id |

|ABC123 |

|-5 |

|abc@1 |

**Scenario**: Test negative scenarios for GET operation

Given user navigates to GET /blog/categories/{id}

When user leaves ID field blank

And user clicks on ‘Try it out!’ button

Then ID field should be highlighted as it’s mandatory

**Scenario**: Create a new blog category using POST Operation

Given user navigates to POST /blog/categories/

When user clicks on body Model schema

And enters name in Name field in payload parameter

And user clicks on ‘Try it out!’ button

Then a new category is created with HTTP response code 201

**Scenario**: Update a category name using PUT operation

Given user navigates to PUT /blog/categories/{id}

When user enters valid ID in the ID field

And user clicks on body Model schema

And enters new category name in Name field in payload parameter

And user clicks on ‘Try it out!’ button

Then particular category name is updated and HTTP response code 204 is returned.

**Scenario**: Delete a blog category using DELETE operation

Given user navigates to DELETE /blog/categories/{id}

When user enters valid ID in the ID field

And user clicks on ‘Try it out!’ button

Then particular category should be deleted and HTTP response code 204 is returned.