1 Feature: Single Postcode Lookup

User story: As a user, I want to be able to make a single postcode Lookup request to the postcodes.io API so that I can receive the corresponding address information for a given postcode.

1.1 Scenario: Single postcode lookup for valid postcode (GET Method)

1.1.1 Gherkin test case 1

1. Given: I have added a new request for GET postcode on my workspace on postman

2. When: I enter a valid postcode "CF37 5BN" in path variables

3. And: I click the button "Send"

4. Then: the status header code should be 200 (Okay message)

5. And: I should receive the results of the area(new home) in "CF37 5BN" in a JSON format

1.2 Scenario: Single postcode lookup for invalid postcode (GET Method)

1.2.1 Gherkin test case 2

1. Given: I have added a new request for GET postcode on my workspace on postman

2. When: I enter an invalid postcode "ABCDEFG" in path variables

3. And: I click the button "Send"

4. Then: the status header code should be 404 (Not Found)

5. And: I should receive an error message "Invalid Postcode"

2 Feature: Bulk Postcode Lookup

User story: As a user, I want to be able to make a multiple postcodes Lookup request to the postcodes.io API so that I can receive the corresponding addresses information for a given postcode.

2.1 Scenario: BULK postcode lookup for valid postcode (POST Method)

2.1.1 Gherkin test case 3

1. Given: I have added a new request for Post postcode on my workspace on postman

2. When: I enter an array of valid postcodes

        "postcodes" : ["CF37 5BN", "CF14 1RP", "CF10 3RB"]

3. And: I click the button "Send"

4. Then: the status header code should be 200 (Okay message)

5. And: I should receive the results of the areas(new home, old home, cardiff castle) in JSON format

2.2 Scenario: BULK postcode lookup for invalid postcode (POST Method)

2.2.1 Gherkin test case 4

1. Given: I have added a new request for Post postcode on my workspace on postman

2. When: I enter an array of invalid postcodes

        "postcodes" : ["123", "234", "345"]

3. And: I click the button "Send"

4. Then: the status header code should be 200 (Okay message)

5. And: I should receive a result of "NULL" for each invalid post code

3 Feature: Postcode Validation for valid postcode(GET Method)

User story: As a user, I want to be able to make a single postcode validation request to the postcodes.io API so that I can confirm if the postcode is valid.

3.1 Postcode Validation for valid postcode (GET Method)

3.1.1 Gherkin test case 5

1. Given: I have added a new request for Validate postcode on my workspace on postman

2. When: I enter a valid postcode "CF37 5BN"

3. And: I click the button "Send"

4. Then: the status header code should be 200 (Okay message)

5. And: I should receive a result "true" for the area.

3.2 Postcode Validation for invalid postcode (GET Method)

3.2.1 Gherkin test case 6

1. Given: I have added a new request for Validate postcode on my workspace on postman

2. When: I enter an invalid postcode "fjweo"

3. And: I click the button "Send"

4. Then: the status header code should be 200 (Okay message)

5. And: I should receive a result "false" for the invalid postcode