**Defect 1**: POST – dependents has a typo on the POST request (dependants)

Steps to reproduce:

1 request POST to URL: https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees/

2 add the next json in the body with numbers on the First Name and Last Name:

{

    "firstName": "testpo123asdfase213123",

    "lastName": "testpodsfa123123fasfdstman",

    "dependents": 1

}

3 Send the request

Actual result: the new employee is created and a 200 code response should be displayed, and the response has a dependents created with 0 as default, because there is no validation for the dependents field, if was not found the dependents is 0 by default.

Expected result: the POST request should response with a 400 code bad request for “dependants” field, the correct name should be “dependents”.

**Defect 2**: POST - First Name and Last Name field does not have data validation, can accept numbers

Steps to reproduce:

1 request POST to URL: https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees/

2 add the next json in the body with numbers on the First Name and Last Name:

{

    "firstName": "testpo123asdfase213123",

    "lastName": "testpodsfa123123fasfdstman",

    "dependants": 1

}

3 Send the request

Actual result: the new employee is created with numbers on the first Name and Last Name fields.

Expected result: the POST request should response with a 400-code bad request, because the first name and last name should not accept numbers.

**Defect 3**: Get- For Invalid employee id the API should response with 404 response code Not Found instead 500 response code Internal Server Error.

Steps to reproduce:

1 - Send a GET request to the URL for a invalid employee id

<https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees/invalidemployeeid>

Actual result: The response return a 500 error code for Internal Server Error, like the server is down or unavailable, instead a 404 “not Found” error code.

**Defect 4**: Delete- For Invalid employee id the API should response with 404 response code Not Found instead 405 response code Method Not Allowed.

Steps to reproduce:

1 - Send a Delete request to the URL for a invalid employee id

<https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees/invalidemployeeid>

Actual result: The response return a 405 error code for Method Not Allowed, like the method is disabled for the server, instead a 404 “not Found” error code.

Expected result: The response should return a 404 “not Found” error code.

**Defect 5**: Put- For Invalid employee id the API should response with 400 response code Bad Request instead 405 response code Method Not Allowed.

Steps to reproduce:

1 - Send a Put request to the URL with an empty json on the body

<https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees/invalidemployeeid>

Actual result: The response return a 405 error code for Method Not Allowed, like the method is disabled for the server, instead a 404 “not Found” error code.

Expected result: The response should return a 400 “Bad Request” error code.

**Defect 6** :Benefit Cost and Net Cost decimal mismatch, on the UI and API those values have different decimals.

Description: Benefit Cost and Net Cost decimal mismatch, on the UI and API those values have different decimals. On the UI Benefit Cost and Net Cost has 2 decimals, and on the APIs Benefit CosT has 5 decimals and Net Cost has 4 decimals.

Steps to reproduce:

1. Login on the Benefits app
2. Create on employee.
3. Validate that Benefit Cost and Net Cost values are displayed with 2 decimals.

Send a GET, POST, or PUT request to the URL <https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees/invalidemployeeid> and validate on the response that the Benefit Cost is displayed with 5 decimals and Net Cost value is displayed with 4 decimals.

Actual result: There is a mistmach for Benefit Cost and Net Cost decimal on the UI and API response

Expected result: The Benefit Cost and Net Cost on the UI and API response should be with the same values and decimal digits in order to can compare values, otherwise the responses should be trim to 2 digits to compare values.

**Defect 7** :PUT - When PUT update the first name and last name from the API, the Salary and Gross pay are updated to 0.

Description: When PUT update the first name and last name from the API, the Salary and Gross pay are updated to 0. but these 2 fields should not be updated in the process, as both are constant values, and the UI is not update the Salary and Gross even any employee is updated.

Steps to reproduce:

1. Create a new employee displayed with Salary= 52000 and Gross pay=2000
2. Send a PUT request to the URL <https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees/invalidemployeeid> to update thefirst name and last name for the existing employee record .
3. Validate on the UI or with a GET for the updated employee records.

Actual result: The updated employee record has the Salary and Gross pay values updated to 0

Expected result: The updated employee record should be updated only for the first name and last name and the Salary= 52000 and Gross pay=2000 those are fixed values and should not be updated.