Name: API | GET /Employees/{id} returns 200 OK for nonexistent employee.

Description: When sending a GET request to /Prod/api/Employees/{id} with a valid UUID that doesn't match any existing employee, the API returns a 200 OK status with an empty body instead of 404 Not Found.
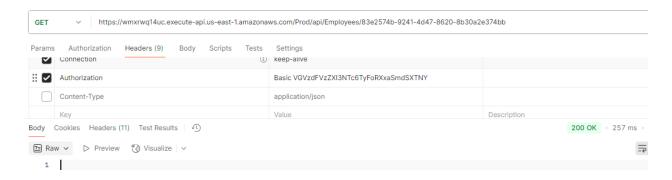
Setup:

- API version: 1.0.0 (assumed)

- Environment: testing

- Authorization: Basic VGVzdFVzZXI3NTc6TyFoRXxaSmdSXTNY

- Nonexistent employee id: 83e2574b-9241-4d47-8620-8b30a2e374bb

Evidence:

NOTE: It also happened with DELETE request to https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/Employees/{nonexistent-id}

Repeatability: Reproducible.

Steps to reproduce:

1. Make GET request to https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/Employees/{nonexistent-id} with nonexistent employee id.

Actual results: Endpoint returns status code 200 and blank response body.

Expected results: Endpoint should return status code 404 not found and a message inside response body.

Name: API | POST /Prod/api/Employees accept special characters in name fields.

Description: When submitting a POST request to https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/Employees with special characters in the firstName or lastName fields (e.g., "Test$#"), the API accepts the input and returns 200 OK, allowing the record to be saved. E.g body:

{

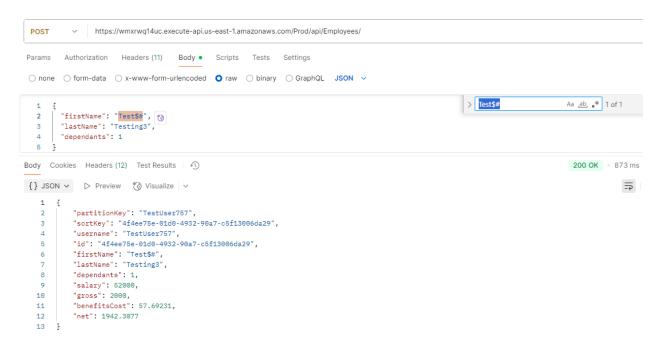"firstName": "Test$#",

"lastName": "Testing3",

"dependants": 1

}

Setup:

- API version: 1.0.0 (assumed)

- Environment: testing

- Authorization: Basic VGVzdFVzZXI3NTc6TyFoRXxaSmdSXTNY

Evidence:

Repeatability: Reproducible.

Steps to reproduce:

1. Make a POST request to https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/Employees using a body with special characters inputted in First name field.

Actual results: Endpoint returns status code 200 and allows you to add the new employee.

Expected results: Endpoint should return status code of 400 Bad Request and mention that special characters are not allowed.

Name: API | POST /Prod/api/Employees accepts payloads with unexpected fields.

Description: When sending a POST request to https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/Employees that includes an undefined property (e.g., "extra": "value"), the API still returns 200 OK and adds the new employee, despite the schema specifying **"additionalProperties": false**. E.g body:

{

"firstName": "Test5",

"lastName": "Testing5",

"dependants": 1,

"extra": "value"

}

Setup:

- API version: 1.0.0 (assumed)

- Environment: testing

- Authorization: Basic VGVzdFVzZXI3NTc6TyFoRXxaSmdSXTNY

Evidence:

Repeatability: Reproducible.

Steps to reproduce:

1. Make a POST request to https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/Employees using a body with an unexpected field.

Actual results: Endpoint returns status code 200 and allows you to add the new employee.

Expected results: Endpoint should return status code 400 Bad Request and mention that unexpected fields are not allowed.

Name: API | PUT /Prod/api/Employees returns 405 Method Not Allowed instead of 400 for invalid data type.

Description: When submitting a PUT request to https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/Employees with an invalid data type in the dependants field (e.g., "dependants": "one" instead of an integer), the API returns 405 Method Not Allowed instead of 400 Bad Request. E.g body:

{

"id": "0e57d46c-1fac-4aa8-b2ea-8b460268e54e",

"firstName": "Test5",
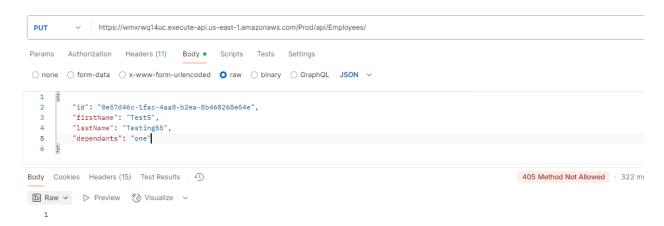
"lastName": "Testing55",

"dependants": "one"

}

Setup:

- API version: 1.0.0 (assumed)

- Environment: testing

- Authorization: Basic VGVzdFVzZXI3NTc6TyFoRXxaSmdSXTNY

Evidence:

Repeatability: Reproducible.

Steps to reproduce:

1. Make a PUT request to https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/Employees using a body with dependants field value as string.

Actual results: Endpoint returns status code 405 Method Not Allowed and blank response body.

Expected results: Endpoint should return status code 400 Bad Request and a message inside response body.

Name: API | PUT /Prod/api/Employees returns wrong values for salary, gross and net after updated employee.

Description: When submitting a PUT request to https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/Employees with a valid data, the fields salary, gross and net had wrong values than the expected ones.

Setup:

- API version: 1.0.0 (assumed)

- Environment: testing

- Authorization: Basic VGVzdFVzZXI3NTc6TyFoRXxaSmdSXTNY

- Id employee: 8f70a667-d068-4ad7-aec7-82ce474f1946

Evidence:

Repeatability: Reproducible.

Steps to reproduce:

1. Make a PUT request to <u>https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/Employees</u> using a updated body with different values.

Actual results: Endpoint returns status code 200, however the value of salary, gross and net shows different values than the expected ones.

Expected results: Endpoint should return status code 200 and correct updated data for the employee.