

## Part 1: Bug Finding Challenge - API.

**1.Title:** Bug

**Severity:** High

**Test Environment:** Post Request

<https://wmxrwwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees>

**Description:** Post Request . Last Name and First Name accept numbers and symbols.

**Expected result:** Should accept only the letters.

**Actual result:** Last Name and First Name accept numbers and symbols.

```
"id": "74d40ec0-d9f6-4fd1-a39b-69fc7b9891e2",  
"firstName": "789$",  
"lastName": "456*",  
"dependants": 0
```

**2. Title:** Bug

**Severity:** Low

**Test Environment:** Get Request

<https://wmxrwwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees>

**Description:** Salary and gross should be present in integer numbers.

**Expected result:** Salary and gross should be present in integer numbers.

```
"salary": 52000,  
"gross": 2000,
```

**Actual result:** Salary presented in decimal numbers.

```
"salary": 52000.0,  
"gross": 2000.0,
```

**3.Title:** Bug

**Test Environment:** Put Request

<https://wmxrwwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees>

**Severity:** High

**Description:** In the Put Request salary should be = 52000, gross should be = 2000.

**Expected result:** Salary should be = 52000, gross should be = 2000.

```
{
  "partitionKey": "TestUser1",
  "sortKey": "1945d706-39f3-49eb-bea8-98abcf766e5e",
  "username": "TestUser1",
  "id": "1945d706-39f3-49eb-bea8-98abcf766e5e",
  "firstName": "Wanda",
  "lastName": "Maximoff",
  "dependants": 2,
  "salary": 52000,
  "gross": 2000,
  "benefitsCost": 76.92308,
  "net": 1923.0769
}
```

**Actual result: Salary = 0,0 , gross = 0,0 .**

The screenshot shows a REST client interface with a PUT request to the URL `https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/empli...`. The response is a JSON object with the following fields:

```
1  {
2    "partitionKey": "TestUser49",
3    "sortKey": "4c16a619-9cdf-4fbf-8629-da9bc9cc7246",
4    "username": "TestUser49",
5    "id": "4c16a619-9cdf-4fbf-8629-da9bc9cc7246",
6    "firstName": "Wanda",
7    "lastName": "Maximoff",
8    "dependants": 2,
9    "salary": 0.0,
10   "gross": 0.0,
11   "benefitsCost": 76.92308,
12   "net": -76.92308
  }
```

The response status is 200 OK, with a response time of 5.83 s and a body size of 772 B.

#### 4. Title: Bug

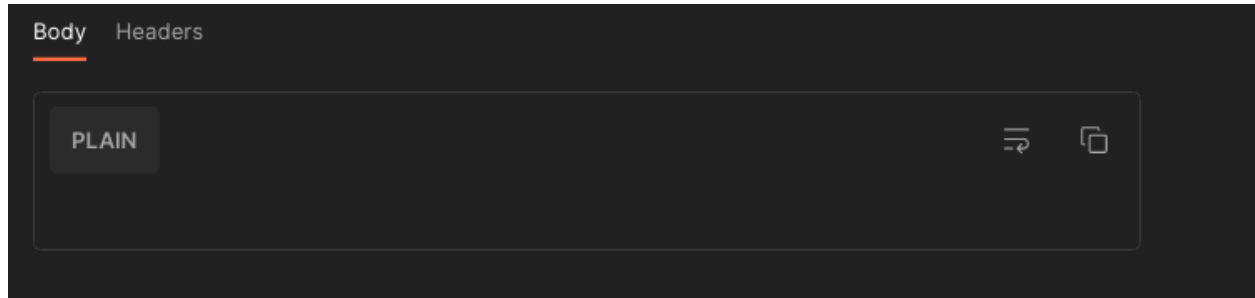
Severity: Medium

Test Environment: Delete Request

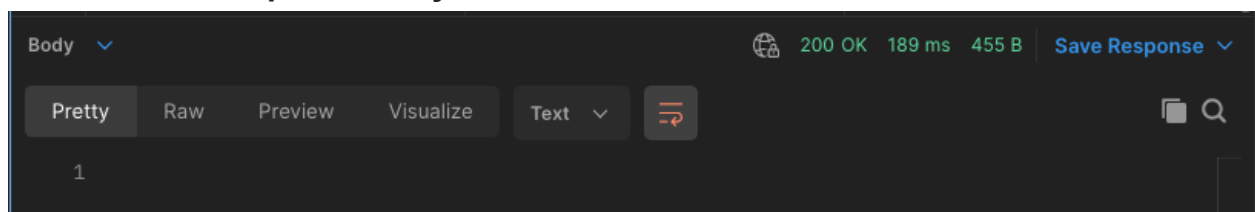
`https://wmxrwwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees/{id}}`

Description: In the Delete request Response Body should be Plain.

Expected result: Response Body should be Plain.



Actual result: Response Body is 1.



#### 5. Title: Bug

Severity: High

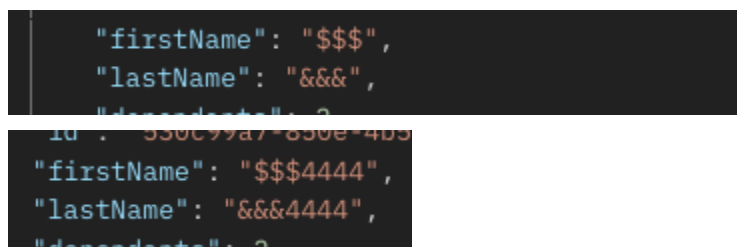
Test Environment: Put Request

`https://wmxrwwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees`

Description: After sending Put request in the Get Employee List request appears new Employee with updated credentials. Employee which was updated still on the list with previous credentials.

Expected result: On the Employee List only updated Employee should be present. Previous version of Employee should be deleted.

Actual result: On the Employee List previous and updated versions of Employee exist.



**6. Title:** Bug

**Severity:** Low

**Test Environment:** Get, Post, Get, Put Response.

<https://wmxrww14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees>;

<https://wmxrww14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees/{id}> .

**Description:** Word Dependants .

**Expected result:** In all types of Response word Dependants should be present in the correct grammar like Dependents.

**Actual result:** Word Dependants presents in the wrong grammar.

```
lastName : Jolie  
"dependants": 0,  
"username": "Jolie"
```