**API Defects list**

**Defect ID: 01**

**Defect Summary**: Get method based on Employee ID is returning error in response.

**Priority**: High

**Severity**: High

**Preconditions:**

Using POSTMAN to validate the API request/response.

Use Authorization as [Basic](https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login) {{ VGVzdFVzZXIzMjI6I3phNy09JDUqJTtm}}

Authorization Type as Basic Auth.

**Test Data:**

Username: TestUser322

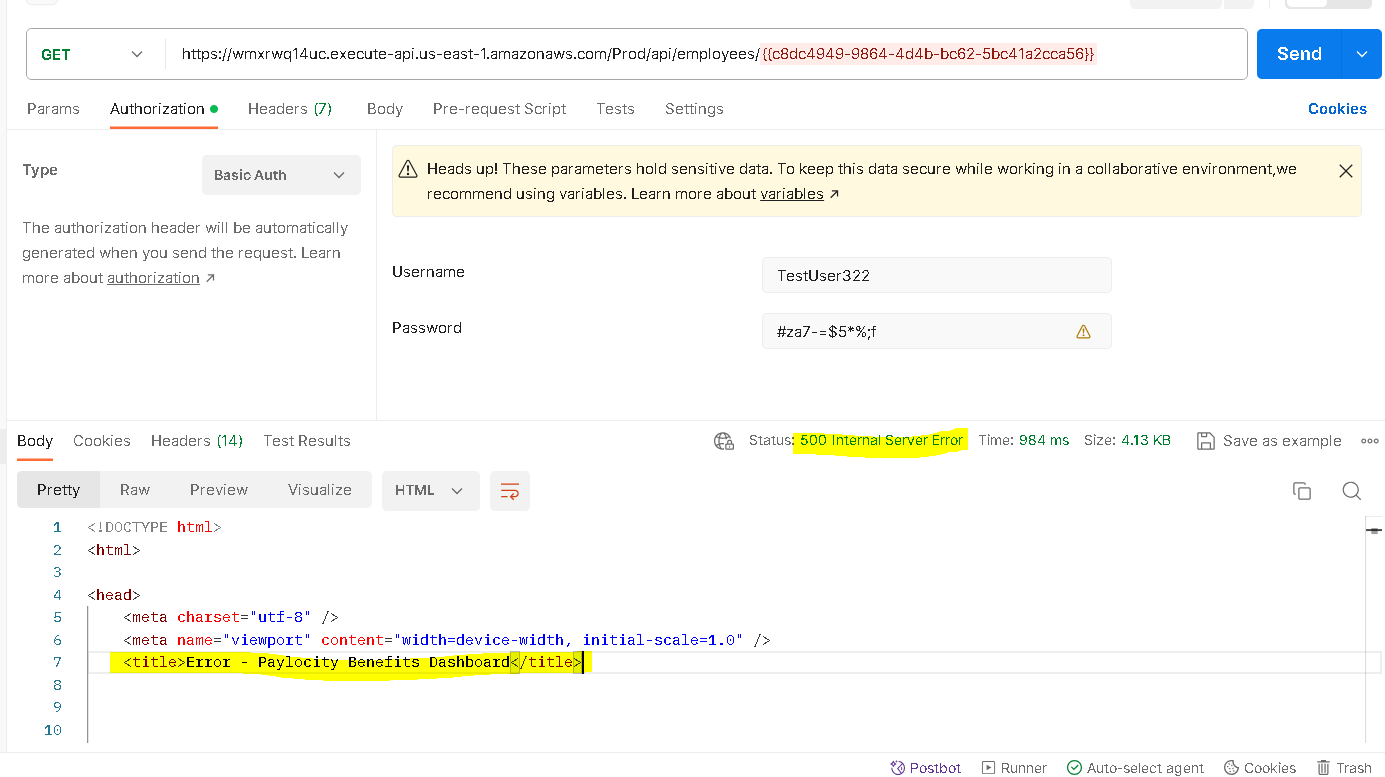
Password: #za7-=$5\*%;f

**Steps to reproduce:**

1. Navigate to POSTMAN

2. For GET Employee API https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees/{{c8dc4949-9864-4d4b-bc62-5bc41a2cca56}}.

**Actual:** Response code is 500 Internal server error.



**Expected:** Response code should be 200 OK and sample response body should be as below:

{

"partitionKey": "TestUser1",

"sortKey": "1945d706-39f3-49eb-bea8-98abcf766e5e",

"username": "TestUser1",

"id": "1945d706-39f3-49eb-bea8-98abcf766e5e",

"firstName": "Natasha",

"lastName": "Romanoff",

"dependants": 3,

"expiration": "2020-03-03T19:09:21+00:00",

"salary": 52000,

"gross": 2000,

"benefitsCost": 96.1538544,

"net": 1903.84619

}

**Defect ID: 02**

**Defect Summary**: Put method is updating different employee ID details with the salary and benefits cost calculations as wrong with one specific data.

**Priority**: High

**Severity**: High

**Preconditions:**

Using POSTMAN to validate the API request/response.

Use Authorization as [Basic](https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login) {{ VGVzdFVzZXIzMjI6I3phNy09JDUqJTtm}}

Authorization Type as Basic Auth.

**Test Data:**

Username: TestUser322

Password: #za7-=$5\*%;f

**Steps to reproduce:**

1. Navigate to POSTMAN

2. For PUT Update Employee API <https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees>

Request: "id": "**1945d706-39f3-49eb-bea8-98abcf766e5e**",

    "firstName": "Wanda",

    "lastName": "Maximoff",

    "dependants": 1

Response:

{

"partitionKey": "TestUser322",

"sortKey": "3d55c9d7-cbad-4e83-b1a2-c3147d83d0b9",

"username": "TestUser322",

"id": "**3d55c9d7-cbad-4e83-b1a2-c3147d83d0b9**",

"firstName": "Wanda",

"lastName": "Maximoff",

"dependants": 1,

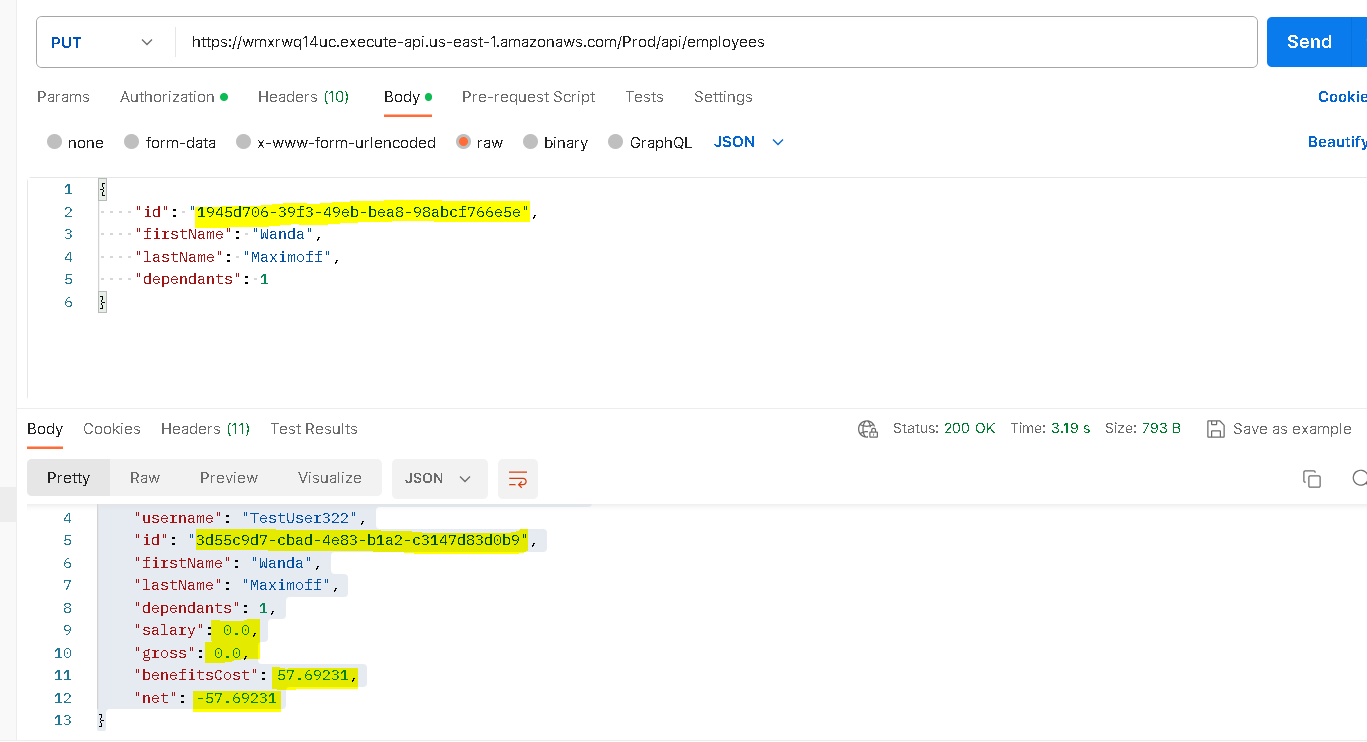
**"salary": 0.0,**

**"gross": 0.0,**

**"benefitsCost": 57.69231,**

**"net": -57.69231**

}



**Actual**: Put method is updating the different Employee ID details with the salary and benefits cost calculations as wrong with one specific data.

**Expected**: Put method should update Same Employee ID details with the salary and benefits cost calculations as mentioned.

All employees are paid $2000 per paycheck before deductions

There are 26 paychecks in a year

The cost of benefits is $1000/year for each employee

Each dependent incurs a cost of $500/year

**Defect ID: 03**

**Defect Summary**: Put API is returning internal Server error code 500 when a new ID is sent in the request.

**Priority**: High

**Severity**: High

**Preconditions:**

Using POSTMAN to validate the API request/response.

Use Authorization as [Basic](https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login) {{ VGVzdFVzZXIzMjI6I3phNy09JDUqJTtm}}

Authorization Type as Basic Auth.

**Test Data:**

Username: TestUser322

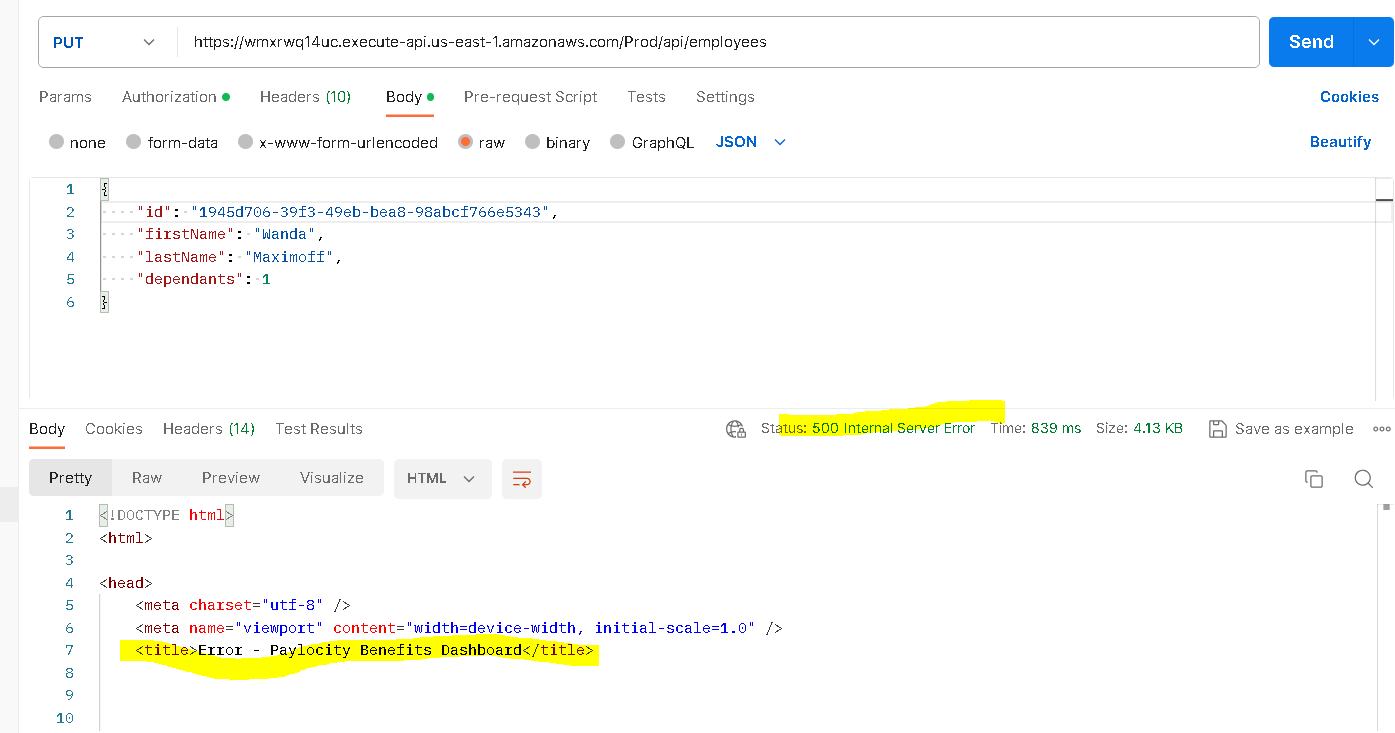
Password: #za7-=$5\*%;f

**Steps to reproduce:**

1. Navigate to POSTMAN

2. For PUT Update Employee API <https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees>

**Actual:** Internal server error code 500 is returned



**Expected:** PUT APIs primarily update an existing resource (if the resource does not exist, then API may decide to create a new resource or not)

**Defect ID: 04**

**Defect Summary**: Delete API is returning internal Server error code 500.

**Priority**: High

**Severity**: High

**Preconditions:**

Using POSTMAN to validate the API request/response.

Use Authorization as [Basic](https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login) {{ VGVzdFVzZXIzMjI6I3phNy09JDUqJTtm}}

Authorization Type as Basic Auth.

**Test Data:**

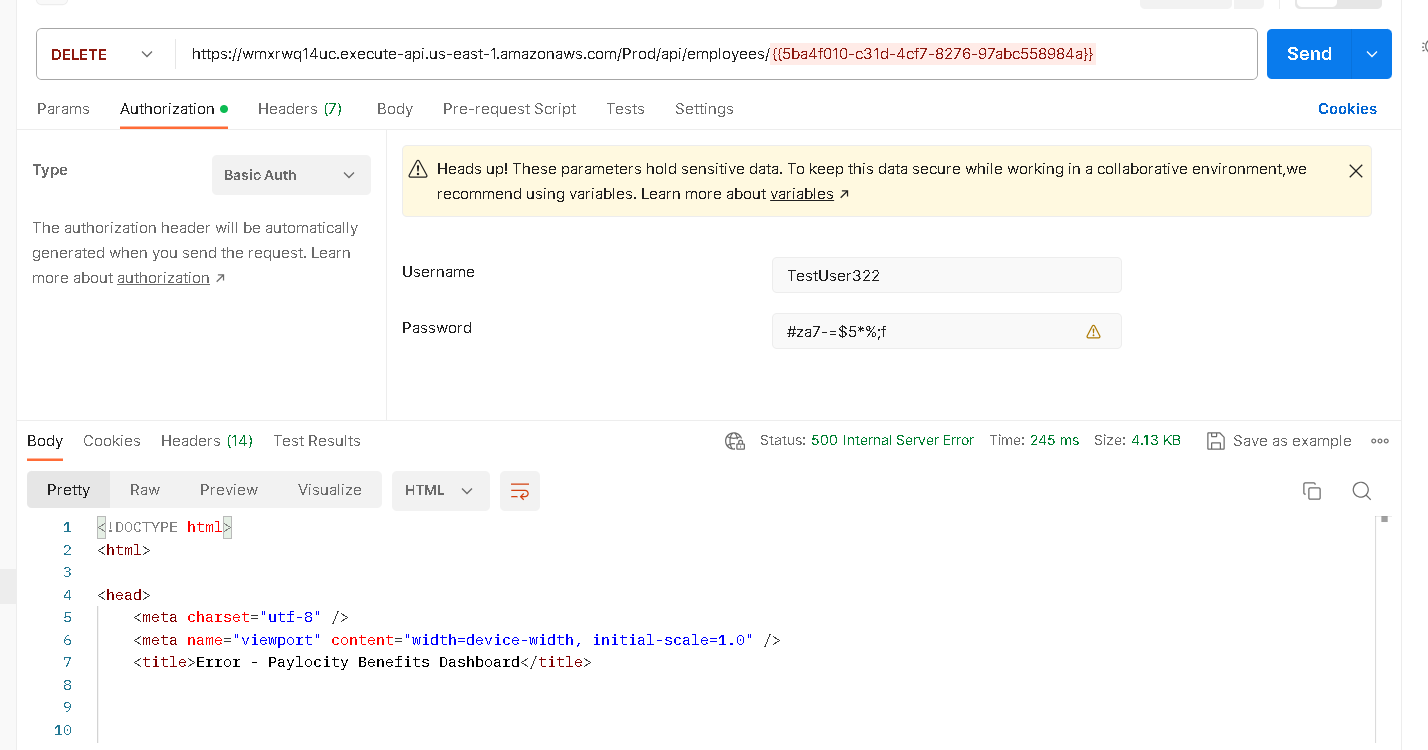
Username: TestUser322

Password: #za7-=$5\*%;f

**Steps to reproduce:**

1. Navigate to POSTMAN

2. For DELETE Employee [https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees/{{5ba4f010-c31d-4cf7-8276-97abc558984a}}](https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees/%7b%7b5ba4f010-c31d-4cf7-8276-97abc558984a%7d%7d)



**Actual:** Delete API is returning internal Server error code 500.

**Expected:** Delete API should return response code 200 and the ID should be deleted from the table.

**Defect ID: 05**

**Defect Summary**: POST API is returning internal Server error code 500 with blank dependant

**Priority**: High

**Severity**: High

**Preconditions:**

Using POSTMAN to validate the API request/response.

Use Authorization as [Basic](https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login) {{ VGVzdFVzZXIzMjI6I3phNy09JDUqJTtm}}

Authorization Type as Basic Auth.

**Test Data:**

Username: TestUser322

Password: #za7-=$5\*%;f

**Steps to reproduce:**

1. Navigate to POSTMAN

2. For POST Add Employee <https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees>

Request:

{

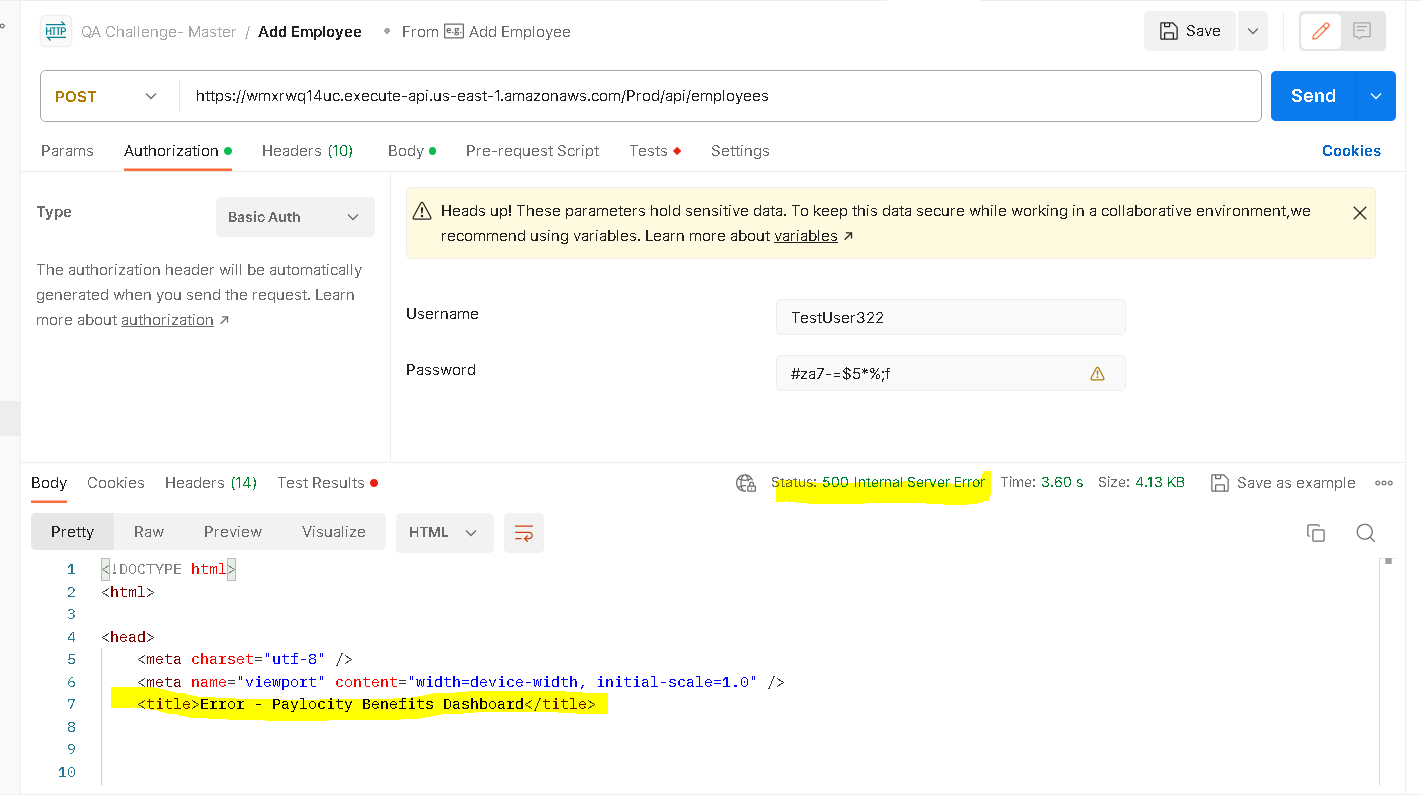
"firstName": "test1",

"lastName": "test2",

"dependants":

}

**Actual**: Error is rendered.



**Expected**: API should add the record with no dependant.

**Defect ID: 06**

**Defect Summary**: Dependents in request and response is mentioned as Dependants which is a spelling mistake in schema.

**Priority**: Low

**Severity**: Low

**Preconditions:**

Using POSTMAN to validate the API request/response.

Use Authorization as [Basic](https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login) {{ VGVzdFVzZXIzMjI6I3phNy09JDUqJTtm}}

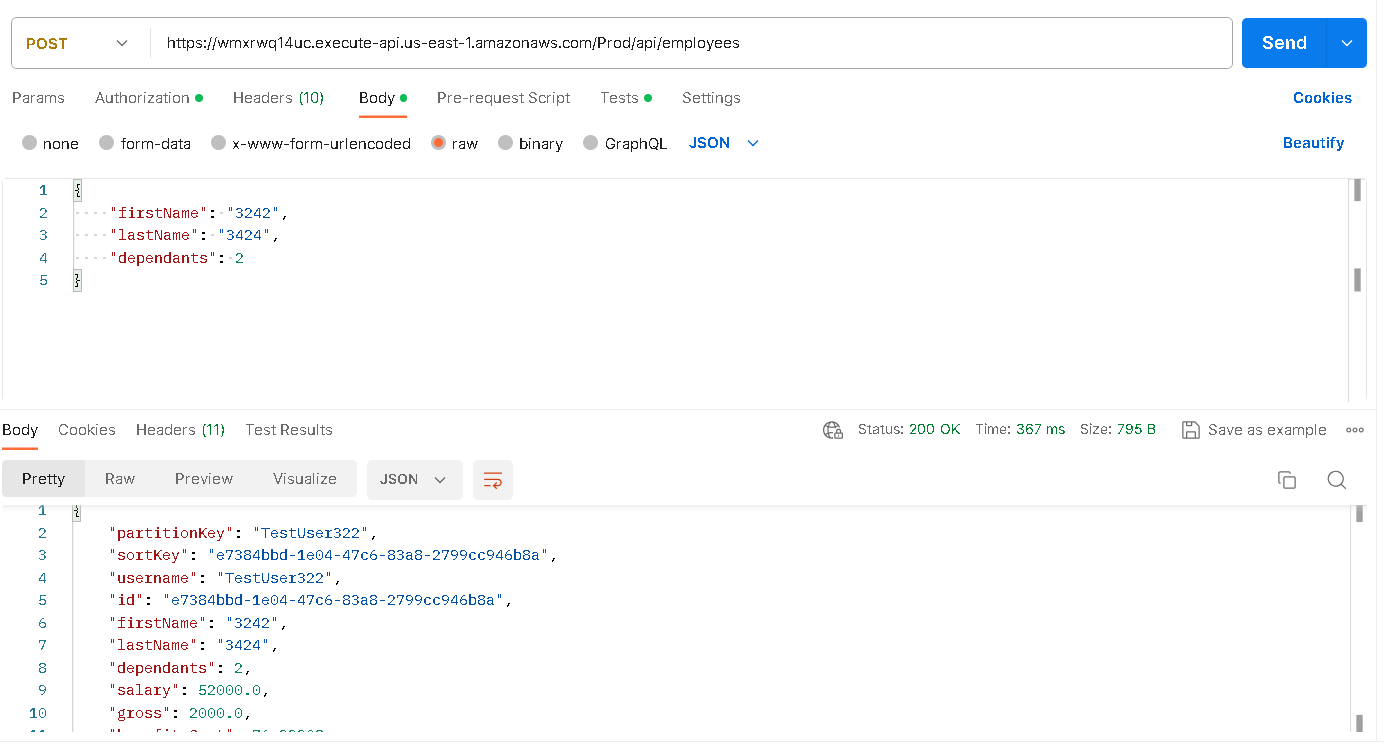
Authorization Type as Basic Auth.

**Steps to reproduce:**

1. Navigate to POSTMAN

2. Validate request and response in POST, PUT

**Actual**: Dependants is there in API schema



**Expected:** Dependents should be there in request and responses of PUT, POST.

**Defect ID: 07**

**Defect Summary**: Incorrect User Name gives Internal Server error from API response:

**Priority**: High

**Severity**: High

**Preconditions:**

Using POSTMAN to validate the APIrequest/response.

Use Authorization as [Basic](https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login) {{ VGVzdFVzZXIzMjI6I3phNy09JDUqJTtm}}

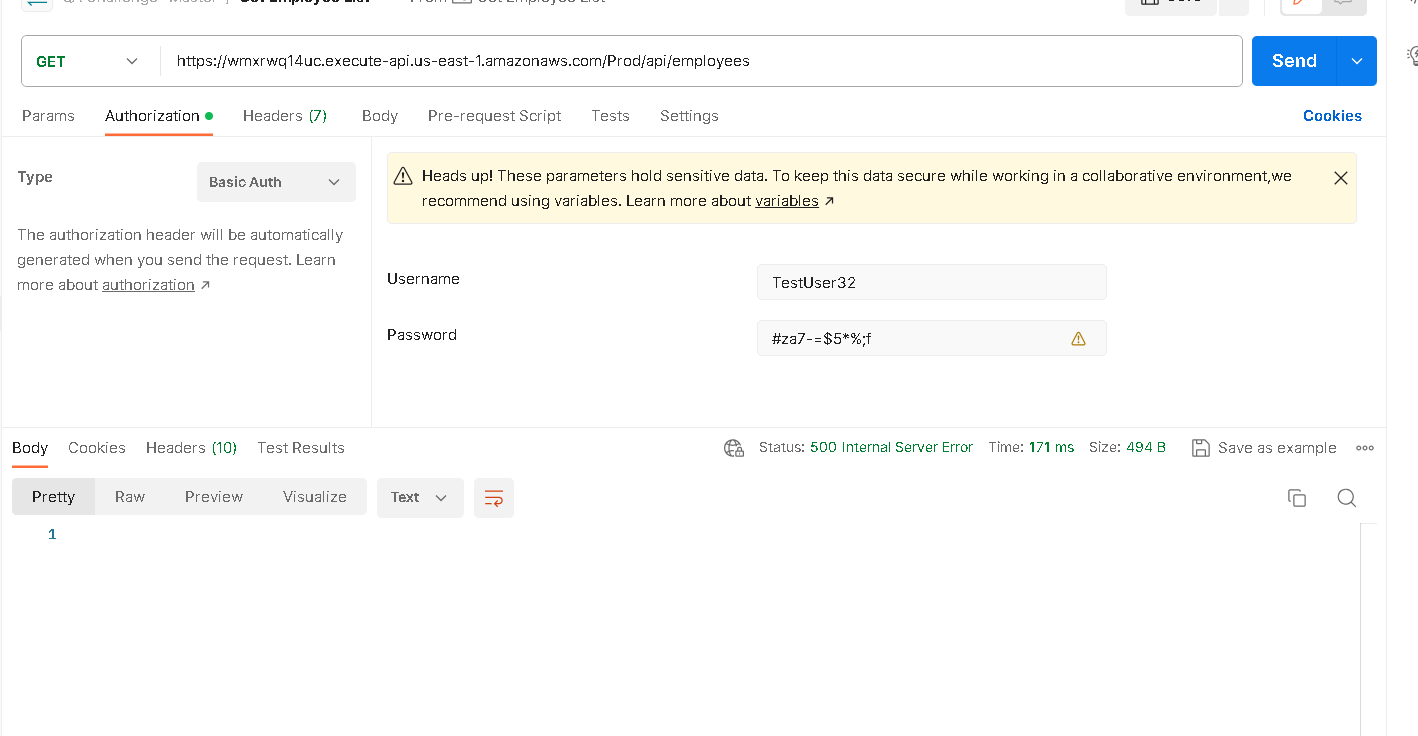
Authorization Type as Basic Auth.

**Steps to reproduce:**

1. Navigate to POSTMAN

2. Put wrong user name in authorization for GET.

**Actual**: Internal Server Error is rendered



**Expected:** 401 Unauthorized response code should be rendered.