

# API Testing Report

## **User Story:**

As an Employer, I want to input my employee data so that I can get a preview of benefit costs.

## **Assumptions:**

- 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

## **Acceptance Criteria**

### **Scenario 1: Add Employee**

GIVEN an Employer

AND I am on the Benefits Dashboard page

WHEN I select Add Employee

THEN I should be able to enter employee details

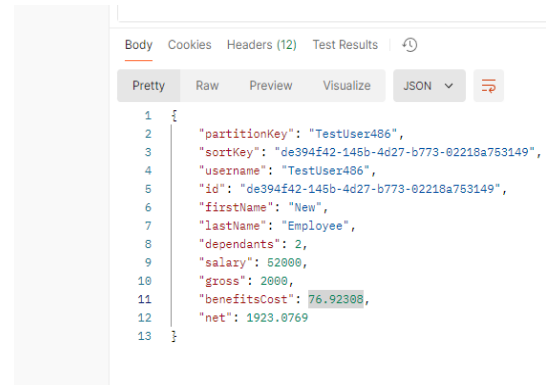
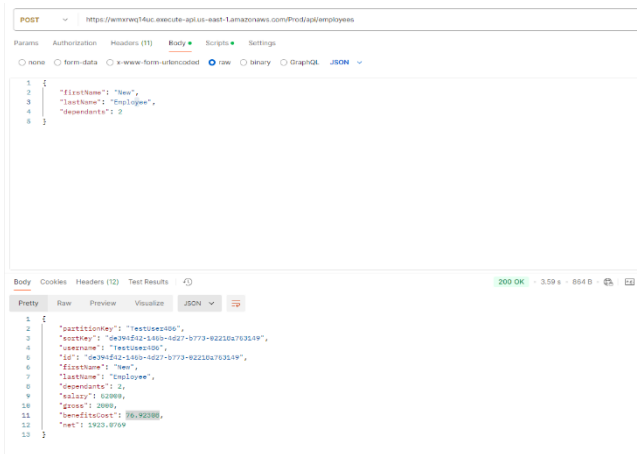
AND the employee should save

AND I should see the employee in the table

AND the benefit cost calculations are correct

## Positive Testcases

1. Success Adding employee with the API POST Call:  
The employee has been added correctly:  
Expected response 200



## Steps:

1. Add the body
2. Configure basic token
3. Run the call
4. Expected result: 200 Success and Calculations done correctly
5. For this case the employee has 2 Dependents and the results are next:
  - a. Annual salary: 52000 = Gross pay 2000\*26 Check according to the instructions given.
  - b. Annual Benefits = \$1000
  - c. He has 2 dependants \$500/e = \$1000 annual.
  - d. Total deductions = \$ 2000 (A.Benefits \$1000 + Total Dependents \$1000)
  - e. Benefits Cost per Check = \$76.92308 ( \$2000 benefits/26 paychecks)
  - f. Netpay = \$1923.0769( Gross Pay \$2000 - Benefits Cost per Check \$76.92308)
6. Which the Results and response are correct.

## Scenario 2: Edit Employee

GIVEN an Employer

AND I am on the Benefits Dashboard page

WHEN I select the Action Edit

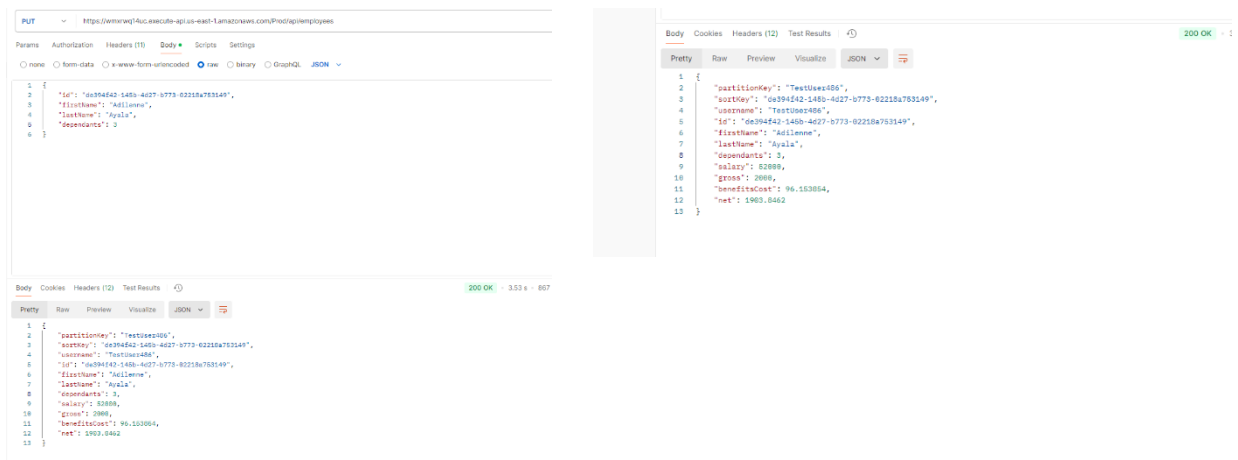
THEN I can edit employee details

AND the data should change in the table

Success Adding

### Positive Testcases

1. Success editing with the API PUT call  
The employee has been updated correctly:  
Expected response 200



### Steps

1. Add the body
2. Configure basic token
3. Run the call
4. Expected result: 200 Success and Calculations done correctly
5. For this case the new employee has been updated with 3 Dependent's and the gross and net pay are next:

- a. Annual salary: \$52000 = Gross pay \$2000\*26 Check according to the instructions given.
- b. Annual Benefits = \$1000
- c. He has 3 dependants \$500/e = \$1500 annual.
- d. Total deductions =\$ 2500 (A.Benefits \$1000 + Total Dependents \$1500)
- e. Benefits Cost per Check = \$96.153846 ( \$2000 benefits/26 paychecks):

### Observations

- f. Test Result / Bugs / Errors
  - i. **Correct** Calculator benefitsCost result gives **\$96.153846**
  - ii. **Error** Postman Response gives: **\$96.153854** We have error with 2 decimals
- g. Netpay = **\$1,903.8461** (Gross Pay \$2000 - Benefits Cost per Check \$96.153846)
  - i. **Correct** Calculator result netpay: **\$1,903.8461**
  - ii. **Error** with decimals in postman netpay:

### Scenario 3: Delete Employee

GIVEN an Employer

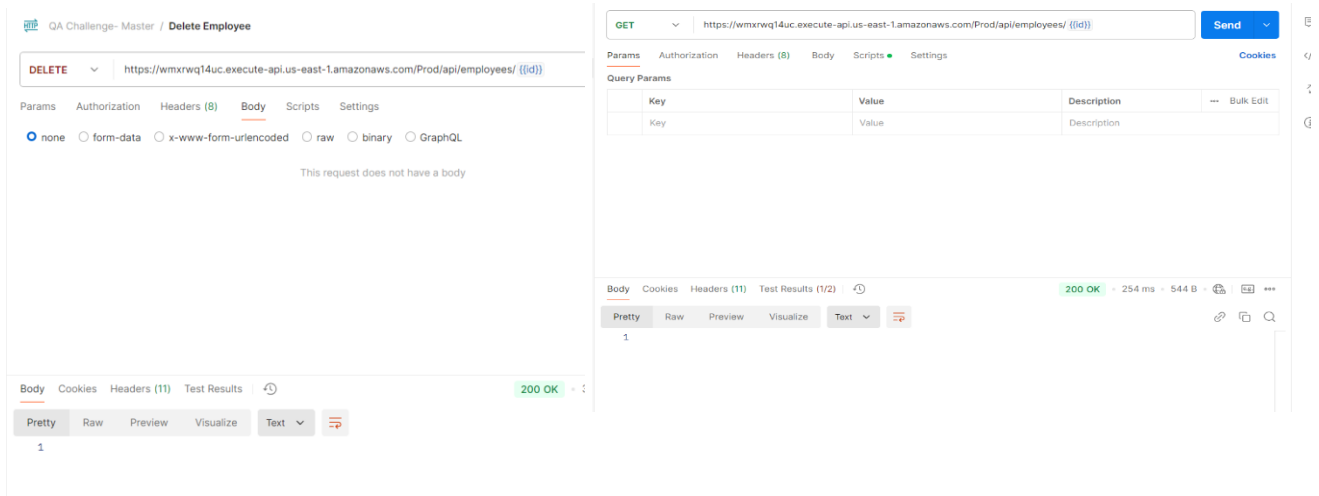
AND I am on the Benefits Dashboard page

WHEN I click the Action X

THEN the employee should be deleted

### Positive Testcases

1. Success deleting with the API DELETE call  
 The employee has been deleted correctly:  
 Expected response 200, we can confirm has been deleted running the Get employee call with his id.



## Steps

1. Configure the uri and use the id of the employee that you want to delete
2. Configure basic token
3. Run the call
4. Expected result: 200 Success the employee has been deleted
5. We can confirm has been deleted running the Get API Call