

Swagger spec for REST API

Table of Contents

- Overview 1
 - Version information 1
 - Contact information 1
 - License information 1
 - Tags 1
- Paths 1
 - update department 1
 - create new department 2
 - get all departments 3
 - get all employees with information about average salary 3
 - get department by id 4
 - delete department by id 4
 - get employee’s list from department 5
 - update employee 6
 - create employee 6
 - get all employees 7
 - get filtered list of employees 8
 - get employee by id 9
 - delete employee by id 9
- Definitions 10
 - Department 10
 - DepartmentWithAverageSalary 10
 - Employee 10

Overview

This is a sample spec for Department REST API

Version information

Version: v1

Contact information

Contact: Igor Contact Email: @mrigor

License information

License: test task for EPAM License URL: <http://www.testcompany.com/licenses/LICENSE-2.0.html>

Terms of service: <http://www.testcompany.com/terms-and-conditions>

Tags

- departments: Endpoint for Department specific operations
- employees: Endpoint for Employee specific operations

Paths

update department

PUT /rest/departments

Description

update department

Parameters

| Type | Name | Description | Required | Schema | Default |
|---------------|------|----------------|----------|----------------------------|---------|
| BodyParameter | body | new department | false | Department | |

Responses

| HTTP Code | Description | Schema |
|-----------|----------------------|------------|
| default | successful operation | No Content |

Consumes

- application/json

Tags

- departments

create new department

POST /rest/departments

Description

create new department

Parameters

| Type | Name | Description | Required | Schema | Default |
|---------------|------|----------------|----------|----------------------------|---------|
| BodyParameter | body | new department | false | Department | |

Responses

| HTTP Code | Description | Schema |
|-----------|----------------------|----------------------------|
| 200 | successful operation | Department |

Consumes

- application/json

Produces

- application/json

Tags

- departments

get all departments

GET /rest/departments

Description

get all departments

Responses

| HTTP Code | Description | Schema |
|-----------|----------------------|----------------------------|
| 200 | successful operation | Department |

Produces

- application/json

Tags

- departments

get all employees with information about average salary

GET /rest/departments/withAvgSalary

Description

get department's list with information about average salary by each department. If department don't have any employees, then AVG salary will be = 0

Responses

| HTTP Code | Description | Schema |
|-----------|----------------------|---|
| 200 | successful operation | DepartmentWithAverageSalary array |

Produces

- application/json

Tags

- departments

get department by id

GET /rest/departments/{id}

Description

get department by id

Parameters

| Type | Name | Description | Required | Schema | Default |
|---------------|------|--------------------------|----------|-----------------|---------|
| PathParameter | id | identifier of department | true | integer (int32) | |

Responses

| HTTP Code | Description | Schema |
|-----------|--|--------------------------|
| 200 | successful operation | Employee |
| 404 | department with such identifier doesn't exists | No Content |

Produces

- application/json

Tags

- departments

delete department by id

DELETE /rest/departments/{id}

Description

delete department by id

Parameters

| Type | Name | Description | Required | Schema | Default |
|---------------|------|--------------------------|----------|-----------------|---------|
| PathParameter | id | identifier of department | true | integer (int32) | |

Responses

| HTTP Code | Description | Schema |
|-----------|--|------------|
| 404 | department with such identifier doesn't exists | No Content |

Tags

- departments

get employee's list from department

```
GET /rest/departments/{id}/employees
```

Description

get employee from department

Parameters

| Type | Name | Description | Required | Schema | Default |
|---------------|------|--------------------------|----------|-----------------|---------|
| PathParameter | id | identifier of department | true | integer (int32) | |

Responses

| HTTP Code | Description | Schema |
|-----------|--|--------------------------------|
| 200 | successful operation | Employee array |
| 404 | department with such identifier doesn't exists | No Content |

Produces

- application/json

Tags

- departments

update employee

PUT /rest/employees

Description

update employee

Parameters

| Type | Name | Description | Required | Schema | Default |
|---------------|------|--------------|----------|--------------------------|---------|
| BodyParameter | body | new employee | false | Employee | |

Responses

| HTTP Code | Description | Schema |
|-----------|----------------------|------------|
| default | successful operation | No Content |

Consumes

- application/json

Tags

- employees

create employee

POST /rest/employees

Description

create employee

Parameters

| Type | Name | Description | Required | Schema | Default |
|---------------|------|-------------|----------|--------------------------|---------|
| BodyParameter | body | | false | Employee | |

Responses

| HTTP Code | Description | Schema |
|-----------|----------------------|--------------------------|
| 200 | successful operation | Employee |

Consumes

- application/json

Produces

- application/json

Tags

- employees

get all employees

GET /rest/employees

Description

get all employees

Responses

| HTTP Code | Description | Schema |
|-----------|----------------------|--------------------------------|
| 200 | successful operation | Employee array |

Produces

- application/json

Tags

- employees

get filtered list of employees

GET /rest/employees/filtered

Description

get filtered list of employees by params

Parameters

| Type | Name | Description | Required | Schema | Default |
|----------------|--------------|-------------------|----------|-----------------|---------|
| QueryParameter | from | like '2016-01-01' | false | string (date) | |
| QueryParameter | to | like '2016-01-01' | false | string (date) | |
| QueryParameter | departmentid | | false | integer (int32) | |

Responses

| HTTP Code | Description | Schema |
|-----------|----------------------|--------------------------------|
| 200 | successful operation | Employee array |

Produces

- application/json

Tags

- employees

get employee by id

```
GET /rest/employees/{id}
```

Description

get employee by id

Parameters

| Type | Name | Description | Required | Schema | Default |
|---------------|------|------------------------|----------|-----------------|---------|
| PathParameter | id | identifier of employee | true | integer (int32) | |

Responses

| HTTP Code | Description | Schema |
|-----------|--|--------------------------|
| 200 | successful operation | Employee |
| 404 | employee with such identifier doesn't exists | No Content |

Produces

- application/json

Tags

- employees

delete employee by id

```
DELETE /rest/employees/{id}
```

Description

delete employee by id

Parameters

| Type | Name | Description | Required | Schema | Default |
|---------------|------|------------------------|----------|-----------------|---------|
| PathParameter | id | identifier of employee | true | integer (int32) | |

Responses

| HTTP Code | Description | Schema |
|-----------|--|--------------------------|
| 200 | successful operation | Employee |
| 404 | employee with such identifier doesn't exists | No Content |

Tags

- employees

Definitions

Department

| Name | Description | Required | Schema | Default |
|--------------|-------------|----------|--------------------------------|---------|
| id | | false | integer (int32) | |
| name | | false | string | |
| employeeList | | false | Employee array | |

DepartmentWithAverageSalary

| Name | Description | Required | Schema | Default |
|---------------|-------------|----------|-----------------|---------|
| id | | false | integer (int32) | |
| name | | false | string | |
| averageSalary | | false | integer (int32) | |

Employee

| Name | Description | Required | Schema | Default |
|------|-------------|----------|-----------------|---------|
| id | | false | integer (int32) | |

| Name | Description | Required | Schema | Default |
|------------|-------------|----------|----------------------------|---------|
| fullName | | false | string | |
| birthDay | | false | string (date) | |
| salary | | false | integer (int32) | |
| department | | false | Department | |