Swagger spec for REST API

Table of Contents

Overview

This is a sample spec for Department REST API

Version information

Version: v1

Contact information

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License information

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Tags

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

Paths

get all departments

```
GET /rest/departments
```

Description

get all departments

Responses

HTTP Code	Description	Schema
200	successful operation	Department

Produces

- 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

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

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 by = 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

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

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

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

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	

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)	
fullName		false	string	

Name	Description	Required	Schema	Default
birthDay		false	string (date)	
salary		false	integer (int32)	
departmentId		false	integer (int32)	

Name	Description	Required	Schema	Default