

# Sample documentation for RestApi

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Welcome to sample documentation for educational rest api.

# 1. Service resources

The application has many service resources. You can find complete list of this resources under this [/docs](#)

## 2. Employee resources

### 2.1. Employee details

Provide details of a requested employee

#### 2.1.1. Request

##### Path parameters

Table 1. /api/employee/{id}

Parameter	Description
id	Employee id (number)

##### Sample http request

```
GET /api/employee/1 HTTP/1.1
Accept: application/json;charset=UTF-8
Host: localhost:8080
```

##### Sample curl request

```
$ curl 'http://localhost:8080/api/employee/1' -i -H 'Accept:
application/json;charset=UTF-8'
```

#### 2.1.2. Response

##### Fields

Path	Type	Description
source_path	String	Request path
message	String	Human readable message
content	Object	Employee
content.id	Number	Employee id

Path	Type	Description
content.name	String	Employee name, should be unique
content.address	Object	Employee address
content.address.street	String	Street address (without number)
content.address.street_no	Varies	Street number
content.address.city	String	City
content.address.country	String	Country
content.email	String	Employee email address
content.phone	String	Employee phone number
content.offices	Array	Employee workplaces collection
content.offices[].id	Number	Office id
content.offices[].name	String	Unique office name
content.offices[].address	Object	Office address
content.offices[].address.street	String	Street address (without number)
content.offices[].address.street_no	String	Street number
content.offices[].address.city	String	City
content.offices[].address.country	String	Country

## Headers

Name	Description
Content-Type	Always application/json;charset=UTF-8

## Sample response

HTTP/1.1 200 OK  
Content-Type: application/json;charset=UTF-8  
Content-Length: 957

```
{
  "source_path" : "/api/employee/1",
  "message" : "Employee with id 1 details",
  "content" : {
    "id" : 1,
    "name" : "DAMIAN1",
    "address" : {
      "street" : "street1",
      "street_no" : null,
      "city" : "KATOWICE",
      "country" : "POLAND"
    },
    "email" : "damian1@email.pl",
    "phone" : "11234567",
    "offices" : [ {
      "id" : 3,
      "name" : "OFFICCE3",
      "address" : {
        "street" : "officestreet3",
        "street_no" : "3",
        "city" : "KATOWICE",
        "country" : "POLAND"
      }
    }, {
      "id" : 2,
      "name" : "OFFICCE2",
      "address" : {
        "street" : "officestreet2",
        "street_no" : "2",
        "city" : "KATOWICE",
        "country" : "POLAND"
      }
    }, {
      "id" : 1,
      "name" : "OFFICCE1",
      "address" : {
        "street" : "officestreet1",
        "street_no" : "1",
        "city" : "KATOWICE",
        "country" : "POLAND"
      }
    }
  ]
}
```

## 2.2. New employee

Add new employee to system

### 2.2.1. Request

#### Request fields

Path	Type	Description
name	String	Employee name, should be unique
address	Object	Employee address
address.street	Varies	Street address (without number)
address.street_no	Varies	Street number
address.city	Varies	City
address.country	Varies	Country
email	Varies	Employee email address
phone	Varies	Employee phone number

#### Sample http request

```
POST /api/employee HTTP/1.1
Accept: application/json;charset=UTF-8
Content-Type: application/json;charset=UTF-8
Host: localhost:8080
Content-Length: 189

{
  "name" : "new employee",
  "address" : {
    "street" : "new street",
    "street_no" : null,
    "city" : null,
    "country" : null
  },
  "email" : "new@email.pl",
  "phone" : null
}
```

#### Sample curl request

```
$ curl 'http://localhost:8080/api/employee' -i -X POST -H 'Accept: application/json; charset=UTF-8' -H 'Content-Type: application/json; charset=UTF-8' -d '{
  "name" : "new employee",
  "address" : {
    "street" : "new street",
    "street_no" : null,
    "city" : null,
    "country" : null
  },
  "email" : "new@email.pl",
  "phone" : null
}'
```

### 2.2.2. Response

#### Fields

Path	Type	Description
<code>source_path</code>	String	Request path
<code>message</code>	String	Human readable message
<code>content</code>	Number	Created employee id

#### Headers

Name	Description
<code>Content-Type</code>	Always application/json; charset=UTF-8

#### Sample response

```
HTTP/1.1 201 Created
Content-Type: application/json; charset=UTF-8
Content-Length: 88

{
  "source_path" : "/api/employee",
  "message" : "Employee created",
  "content" : 5
}
```

## 2.3. Update employee



Unrecoverable operation



**name** is ignored, you can not change Employee name

Update employee details

### 2.3.1. Request

#### Path parameters

Table 2. `/api/employee/{id}`

Parameter	Description
<code>id</code>	Employee id

#### Request fields

Path	Type	Description
<code>name</code>	String	Ignored during update process
<code>address</code>	Object	Employee address
<code>address.street</code>	Varies	Street address (without number)
<code>address.street_no</code>	Varies	Street number
<code>address.city</code>	Varies	City
<code>address.country</code>	Varies	Country
<code>email</code>	Varies	Employee email address
<code>phone</code>	Varies	Employee phone number

#### Sample http request



```
PUT /api/employee/1 HTTP/1.1
Accept: application/json;charset=UTF-8
Content-Type: application/json;charset=UTF-8
Host: localhost:8080
Content-Length: 189
```

```
{
  "name" : "new employee",
  "address" : {
    "street" : "new street",
    "street_no" : null,
    "city" : null,
    "country" : null
  },
  "email" : "new@email.pl",
  "phone" : null
}
```

### Sample curl request

```
$ curl 'http://localhost:8080/api/employee/1' -i -X PUT -H 'Accept:
application/json;charset=UTF-8' -H 'Content-Type: application/json;charset=UTF-8' -d
'{
  "name" : "new employee",
  "address" : {
    "street" : "new street",
    "street_no" : null,
    "city" : null,
    "country" : null
  },
  "email" : "new@email.pl",
  "phone" : null
}'
```

## 2.3.2. Response

### Fields

Path	Type	Description
source_path	String	Request path
message	String	Human readable message
content	Null	Always null

### Headers

Name	Description
Content-Type	Always application/json;charset=UTF-8

#### Sample response

```
HTTP/1.1 202 Accepted
Content-Type: application/json;charset=UTF-8
Content-Length: 103

{
  "source_path" : "/api/employee/1",
  "message" : "Employee with id 1 updated",
  "content" : null
}
```

## 2.4. Employees collection

Provide collection of all registered employees.

### 2.4.1. Request

#### Sample http request

```
GET /api/employees HTTP/1.1
Accept: application/json;charset=UTF-8
Host: localhost:8080
```

#### Sample curl request

```
$ curl 'http://localhost:8080/api/employees' -i -H 'Accept:
application/json;charset=UTF-8'
```

### 2.4.2. Response

#### Fields

Path	Type	Description
source_path	String	Request path
message	String	Human readable message
content	Array	Employees collection
content[].id	Number	Employee id

Path	Type	Description
<code>content[].name</code>	String	Employee name, should be unique
<code>content[].email</code>	String	Employee email address

## Headers

Name	Description
<code>Content-Type</code>	Always application/json;charset=UTF-8

## Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Content-Length: 399
```

```
{
  "source_path" : "/api/employees",
  "message" : "All employees",
  "content" : [ {
    "id" : 1,
    "name" : "DAMIAN1",
    "email" : "damian1@email.pl"
  }, {
    "id" : 2,
    "name" : "DAMIAN2",
    "email" : "damian2@email.pl"
  }, {
    "id" : 3,
    "name" : "DAMIAN3",
    "email" : "damian3@email.pl"
  }, {
    "id" : 4,
    "name" : "DAMIAN4",
    "email" : "damian4@email.pl"
  } ]
}
```

## 2.5. Assign office to Employee



Unrecoverable operation

Assign office to employee, one employee can work in many offices.

## 2.5.1. Request

### Path parameters

Table 3. /api/employee/{id}/workplace/{wid}

Parameter	Description
id	Employee id
wid	Office id

### Sample http request

```
POST /api/employee/4/workplace/1 HTTP/1.1
Accept: application/json;charset=UTF-8
Host: localhost:8080
```

### Sample curl request

```
$ curl 'http://localhost:8080/api/employee/4/workplace/1' -i -X POST -H 'Accept:
application/json;charset=UTF-8'
```

## 2.5.2. Response

### Fields

Path	Type	Description
source_path	String	Request path
message	String	Human readable message
content	Boolean	Success indicator

### Headers

Name	Description
Content-Type	Always application/json;charset=UTF-8

### Sample response

```
HTTP/1.1 202 Accepted
Content-Type: application/json;charset=UTF-8
Content-Length: 115

{
  "source_path" : "/api/employee/4/workplace/1",
  "message" : "Employee with id 4 updated",
  "content" : true
}
```