

EmployeeManager REST API

REST API for managing employees

admin-controller : Admin Controller

GET

/admin/department/{departmentId}

Get access history for a department

Implementation Notes

History can be accessed even for non-existing departments

Response Class (Status 200)

OK

Model

Example Value

```
[
  {
    "dateTime": "2017-09-12T14:24:12.673Z",
    "departmentId": 0,
    "id": 0,
    "ipAddress": "string",
    "isSuccessful": true,
    "operationId": 0
  }
]
```

Response Content Type

/

Parameters

Parameter	Value	Description	Parameter Type	Data Type
departmentId	<div>(required)</div>	Id of a department, a whole number in the range of (0) to (1,0E19)	path	long
from	<div></div>	Requires datetime, compliant to LocalDateTime format in Java, e.g. 2007-12-03T10:15:30	query	string
to	<div></div>	Requires datetime, compliant to LocalDateTime format in Java, e.g. 2007-12-03T10:15:30	query	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		

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HTTP Status Code	Reason	Response Model	Headers
404	Not Found		

Try it out!

GET/admin/employee/{employeeId}Get access history for an employee

Implementation Notes

History can be accessed even for non-existing employees

Response Class (Status 200)

OK

ModelExample Value

```
[
  {
    "dateTime": "2017-09-12T14:24:12.709Z",
    "employeeId": 0,
    "id": 0,
    "ipAddress": "string",
    "isSuccessful": true,
    "operationId": 0
  }
]
```

Response Content Type */*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
employeeId	(required)	Id of an employee, a whole number in the range of (0) to (1,0E19)	path	long
from		Requires datetime, compliant to LocalDateTime format in Java, e.g. 2007-12-03T10:15:30	query	string
to		Requires datetime, compliant to LocalDateTime format in Java, e.g. 2007-12-03T10:15:30	query	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		

HTTP Status Code	Reason	Response Model	Headers
404	There is no user with that id.		
<div>Try it out!</div>			

certificates-controller : Certificates Controller

GET

/certificates

Return all certificates

Response Class (Status 200)

Successful retrieval of certificates

Model

Example Value

```
[
  {
    "certificateorganisation_id": 0,
    "id": 0,
    "name": "string",
    "scan": "string",
    "serialNumber": 0
  }
]
```

Response Content Type

/

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		
500	Internal server error		

Try it out!

POST

/certificates

Create certificate

Response Class (Status 200)

Successful creation of certificate

Model

Example Value

```
{
  "certificateorganisation_id": 0,
  "id": 0,
  "name": "string",
  "scan": "string",

```

```
"serialNumber": 0
}
```

Response Content Type */*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
certificateDetails	<div><pre>{ "certificateOrganisationId": 1, "name": "string", "scan": "string", "serialNumber": 0 }</pre></div> <div>Parameter content type: application/json</div>	CertificateOrganisationId, serialNumber - whole numbers in the range of (0) to (1,0E19); Name - string with max length = 255 symbols; Scan - file with max size = 255 bytes.	body	<div>Model</div> <div>Example Value</div> <div><pre>{ "certificateOrganisationId": 1, "name": "string", "scan": "string", "serialNumber": 0 }</pre></div>

Response Messages

HTTP Status Code	Reason	Response Model	Headers
201	Created		
401	Unauthorized		
403	Forbidden		
404	Not Found		
500	Internal server error		

Try it out!

POST /certificates/list

Add row to certificate list

Response Class (Status 200)

Successful addition of the row

Model | Example Value

```
{
  "certificate": {
    "certificateorganisation_id": 0,
    "id": 0,
    "name": "string",
    "scan": "string",
    "serialNumber": 0
  },
  "certificate_id": 0,
  "dateAcquired": "2017-09-12",
  "employee": {
```

```
    "birthdate": "2017-09-12",
    "department_id": 0,
    "fired": true,
    "firstname": "string",
    "gender": "M",
    "grade_id": 0,
    "id": 0,
    "lastname": "string",
    "middlename": "string",
    "position_id": 0,
    "salary": 0
  },
  "employee_id": 0,
  "id": 0
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
certificateListDetails	(required)	certificateListDetails	body	Model Example Value
	<div>Parameter content type: application/json</div>			<div>{ "certificateId": 0, "dateAcquired": "2017-09-12", "employeeId": 0 }</div>

Response Messages

HTTP Status Code	Reason	Response Model	Headers
201	Created		
401	Unauthorized		
403	Forbidden		
404	Not Found		
500	Internal server error		

Try it out!

GET /certificates/list/find Find rows by employee id

Response Class (Status 200)

Successful retrieval the row

Model Example Value

```
[
  {
    "certificate": {
      "certificateorganisation_id": 0,
      "id": 0,
      "name": "string",
      "scan": "string",
      "serialNumber": 0
    },
    "certificate_id": 0,
    "dateAcquired": "2017-09-12",
    "employee": {
      "birthdate": "2017-09-12",
      "department_id": 0,
      "fired": true,
      "firstname": "string",
      "gender": "M",
      "grade_id": 0,
      "id": 0,
      "lastname": "string",
      "middlename": "string",
      "position_id": 0,
      "salary": 0
    },
    "employee_id": 0,
    "id": 0
  }
]
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
employeeId	<input type="text"/>	Id of an employee, a whole number in the range of (0) to (1,0E19)	query	long
certificateId	<input type="text"/>	Certificate id, a whole number in the range of (0) to (1,0E19)	query	long

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		
500	Internal server error		

Try it out!

GET

/certificates/organisations

Return all certificate organisations

Response Class (Status 200)

Successful retrieval of certificate organisations

Model

Example Value

```
[
  {
    "id": 0,
    "name": "string"
  }
]
```

Response Content Type

/

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		
500	Internal server error		

Try it out!

POST

/certificates/organisations

Create certificate organisation

Response Class (Status 200)

Successful creation of certificate organisation

Model

Example Value

```
{
  "id": 0,
  "name": "string"
}
```

Response Content Type

/

Parameters

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Parameter	Value	Description	Parameter Type	Data Type
certificateOrganisationDetails	(required)	certificateOrganisationDetails	body	Model Example Value

Parameter content type:
application/json

```
{  
  "name": "string"  
}
```

Response Messages

HTTP Status Code	Reason	Response Model	Headers
201	Created		
401	Unauthorized		
403	Forbidden		
404	Certificate organisation with given id does not exist		
500	Internal server error		

Try it out!

GET

/certificates/organisations/{certificateOrganisationId}

Return certificate organisation

Response Class (Status 200)

Successful retrieval of certificate organisation

Model | Example Value

```
{  
  "id": 0,  
  "name": "string"  
}
```

Response Content Type */*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
-----------	-------	-------------	----------------	-----------

certificateOrganisationId	<input type="text"/>	Certificate organization id, a whole number in the range of (0) to (1,0E19)	path	long
---------------------------	----------------------	---	------	------

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Certificate organisation with given id does not exist		
500	Internal server error		

Try it out!

GET /certificates/{certificateId} Return certificate

Response Class (Status 200)

Successful retrieval of certificate

Model | Example Value

```
{
  "certificateorganisation_id": 0,
  "id": 0,
  "name": "string",
  "scan": "string",
  "serialNumber": 0
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
certificateId	<input type="text" value="(required)"/>	Id of certificate, a whole number in the range of (0) to (1,0E19)	path	long

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		

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HTTP Status Code	Reason	Response Model	Headers
404	Certificate with given id does not exist		
500	Internal server error		

Try it out!

POST

/certificates/{certificateId}/edit

Edit certificate

Response Class (Status 200)

Successful edition of certificate

Model

Example Value

```
{
  "certificateorganisation_id": 0,
  "id": 0,
  "name": "string",
  "scan": "string",
  "serialNumber": 0
}
```

Response Content Type

/

Parameters

Parameter	Value	Description	Parameter Type	Data Type
certificateId	<div>(required)</div>	Id of certificate, a whole number in the range of (0) to (1,0E19)	path	long
newName	<div></div>	New certificate name, string with max length = 255 symbols	query	string
newSerialNumber	<div></div>	New serial number, a whole number in the range of (0) to (1,0E19)	query	long
newScan	<div></div>	New scan, max size = 255 bytes	query	string
newCertificateOrganisationId	<div></div>	New organization id, a whole number in the range of (0) to (1,0E19)	query	long

Response Messages

HTTP Status Code	Reason	Response Model	Headers
201	Created		
401	Unauthorized		
403	Forbidden		
404	Certificate with given id does not exist		
500	Internal server error		

Try it out!

departments-controller : Departments Controller

GET

/departments

Return department by name

Response Class (Status 200)

OK

Model | Example Value

```
{
  "chief_id": 0,
  "dismissed": true,
  "id": 0,
  "name": "string",
  "parent_id": 0
}
```

Response Content Type */*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
name	<input type="text"/>	Department name, string with max length = 255 symbols	query	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

POST

/departments

Create new department

Response Class (Status 200)

OK

Model | Example Value

```
{  "chief_id": 0,  "dismissed": true,  "id": 0,  "name": "string",  "parent_id": 0}
```

Response Content Type

/

Parameters

Parameter	Value	Description	Parameter Type	Data Type
departmentDetails	<div><div></div><div>Parameter content type: application/json</div></div>	chiefId, parent - whole numbers in the range of (0) to (1,0E19); Name - string with max length = 255 symbols;	body	Model Example Value <div><pre>{ "chiefId": 0, "name": "string", "parent": 0}</pre></div>

Response Messages

HTTP Status Code	Reason	Response Model	Headers
201	Created		
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

DELETE

/departments/{departmentId}

Delete department

Parameters

Parameter	Value	Description	Parameter Type	Data Type
-----------	-------	-------------	----------------	-----------

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departmentId

Id of a department, a whole number in the range of (0) to (1,0E19)

path

long

Response Messages

HTTP Status Code	Reason	Response Model	Headers
200	OK		
204	No Content		
401	Unauthorized		
403	Forbidden		

Try it out!

GET

/departments/{departmentId}

Return department by id

Response Class (Status 200)

OK

Model | Example Value

```
{  "chief_id": 0,  "dismissed": true,  "id": 0,  "name": "string",  "parent_id": 0}
```

Response Content Type

/

Parameters

Parameter	Value	Description	Parameter Type	Data Type
departmentId		Id of a department, a whole number in the range of (0) to (1,0E19)	path	long

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

POST

/departments/{departmentId}/changeHierarchy

Change parent department

Response Class (Status 200)

OK

Model

Example Value

```
{  "chief_id": 0,  "dismissed": true,  "id": 0,  "name": "string",  "parent_id": 0}
```

Response Content Type

/

Parameters

Parameter	Value	Description	Parameter Type	Data Type
departmentId	<div>(required)</div>	Id of a department, a whole number in the range of (0) to (1,0E19)	path	long
newHeadDepartmentId	<div>(required)</div>	Must not be child of changed department to avoid circular dependency , a whole number in the range of (0) to (1,0E19)	query	long

Response Messages

HTTP Status Code	Reason	Response Model	Headers
201	Created		
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET

/departments/{departmentId}/employees

Return all employees of department

Response Class (Status 200)

OK

Model

Example Value

```
[
  {
    "birthdate": "2017-09-12",
    "department_id": 0,
    "fired": true,
    "firstname": "string",
    "gender": "M",
    "grade_id": 0,
    "id": 0,
    "lastname": "string",
    "middlename": "string",
    "position_id": 0,
    "salary": 0
  }
]
```

Response Content Type */*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
departmentId	<input type="text"/>	Id of a department, a whole number in the range of (0) to (1,0E19)	path	long

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET /departments/{departmentId}/subs Return all direct sub departments of given department

Response Class (Status 200)

OK

Model | Example Value

```
[
  {
    "chief_id": 0,
    "dismissed": true,
    "id": 0,
    "name": "string",
    "parent_id": 0
  }
]
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
departmentId	<input type="text"/>	Id of a department, a whole number in the range of (0) to (1,0E19)	path	long

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

employees-controller : Employees Controller

GET /employees [Return all employees](#)

Response Class (Status 200)

Successful retrieval of employees

Model | Example Value

```
[
  {
    "birthdate": "2017-09-12",
    "department_id": 0,
    "fired": true,
    "firstname": "string",
    "gender": "M",
    "grade_id": 0,
    "id": 0,
    "lastname": "string",
    "middlename": "string",
    "position_id": 0,
    "salary": 0
  }
]
```

Response Content Type

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		

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Swagger UI

HTTP Status Code	Reason	Response Model	Headers
403	Forbidden		
404	Not Found		
500	Internal server error		

Try it out!

POST /employees

Create employee

Response Class (Status 200)

Successful creation of employee

Model

Example Value

```
{  "birthdate": "2017-09-12",  "department_id": 0,  "fired": true,  "firstname": "string",  "gender": "M",  "grade_id": 0,  "id": 0,  "lastname": "string",  "middlename": "string",  "position_id": 0,  "salary": 0}
```

Response Content Type

/

Parameters

Parameter	Value	Description	Parameter Type	Data Type
employeeDetails	<div><div></div><div>Parameter content type: application/json</div></div>	firstname, lastname, middlename - string with max length = 255 symbols;department, grade, position - whole numbers in the range of (0) to (1,0E19); birthdate - datetime, compliant to LocalDateTime format in Java, e.g. 2007-12-03T10:15:30; gender - single charachter M or F; salary - a decimal number with precision = 14 and scale = 2	body	<div><div>Model</div><div>Example Value</div></div> <div><pre>{ "birthdate": "2008-10-27", "department": 1, "firstname": "string", "gender": "M", "grade": 1, "lastname": "string", "middlename": "string", "position": 1, "salary": 0}</pre></div>

Response Messages

HTTP Status Code	Reason	Response Model	Headers
------------------	--------	----------------	---------

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Swagger UI

201	Created
400	Invalid attributes
401	Unauthorized
403	Forbidden
404	Department, position or grade does not exist
500	Internal server error

Try it out!

GET

/employees/find

Return employee by first name or last name

Response Class (Status 200)

Successful retrieval of employee

Model

Example Value

```
[
  {
    "birthdate": "2017-09-12",
    "department_id": 0,
    "fired": true,
    "firstname": "string",
    "gender": "M",
    "grade_id": 0,
    "id": 0,
    "lastname": "string",
    "middlename": "string",
    "position_id": 0,
    "salary": 0
  }
]
```

Response Content Type

/

Parameters

Parameter	Value	Description	Parameter Type	Data Type
firstName	<input type="text"/>	First name	query	string
lastName	<input type="text"/>	Last name	query	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
400	No attributes given		
401	Unauthorized		
403	Forbidden		

HTTP Status Code	Reason	Response Model	Headers
404	Employee with given first name or last name does not exist		
500	Internal server error		

Try it out!

DELETE /employees/{employeeId}

Fire employee that was once created

Parameters

Parameter	Value	Description	Parameter Type	Data Type
employeeId	(required)	Id of employee to be fired, a whole number in the range of (0) to (1,0E19)	path	long

Response Messages

HTTP Status Code	Reason	Response Model	Headers
200	Successful firing of employee		
204	No Content		
401	Unauthorized		
403	Forbidden		
404	Employee with given id does not exist		
500	Internal server error		

Try it out!

GET /employees/{employeeId}

Return employee

Response Class (Status 200)

Successful retrieval of employee

Model | Example Value

```
{
  "birthdate": "2017-09-12",
  "department_id": 0,
  "fired": true,
  "firstname": "string",
  "gender": "M",
  "grade_id": 0,
  "id": 0,
  "lastname": "string",
  "middlename": "string",
  "position_id": 0,
```

```
"salary": 0
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
employeeId	<input type="text" value="(required)"/>	Id of employee, a whole number in the range of (0) to (1,0E19)	path	long

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Employee with given id does not exist		
500	Internal server error		

[Try it out!](#)

PUT /employees/{employeeId}

Rehire employee

Parameters

Parameter	Value	Description	Parameter Type	Data Type
employeeId	<input type="text" value="(required)"/>	Id of employee to be rehired, a whole number in the range of (0) to (1,0E19)	path	long

Response Messages

HTTP Status Code	Reason	Response Model	Headers
200	Successful hiring of employee		
201	Created		
401	Unauthorized		
403	Forbidden		
404	Employee with given id does not exist		
500	Internal server error		

[Try it out!](#)

GET /employees/{employeeId}/audit

Return audit information of employee

Implementation Notes

Returns history of changes for an employee by Id, in descending order

Response Class (Status 200)

Successful retrieval of the audit information of employee

Model | Example Value

{}

Response Content Type

/

Parameters

Parameter	Value	Description	Parameter Type	Data Type
employeeId	<div>(required)</div>	Id of employee	path	long
from	<div></div>	Requires datetime, compliant to LocalDateTime format in Java, e.g. 2007-12-03T10:15:30	query	string
to	<div></div>	Requires datetime, compliant to LocalDateTime format in Java, e.g. 2007-12-03T10:15:30	query	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Audit information for given employee does not exist		
500	Internal server error		

Try it out!

POST /employees/{employeeId}/edit

Edit employee

Implementation Notes

Currently supports editing of position, grade and salary

Response Class (Status 200)

Successful edition of employee

Model | Example Value

```
{
  "birthdate": "2017-09-12",
  "department_id": 0,
  "fired": true,
  "firstname": "string",
  "gender": "M",
  "grade_id": 0,
  "id": 0,
  "lastname": "string",
  "middlename": "string",
  "position_id": 0,
  "salary": 0
}
```

Response Content Type

/

Parameters

Parameter	Value	Description	Parameter Type	Data Type
employeeId	<div>(required)</div>	Id of employee	path	long
newPositionId	<div></div>	Id of new position, a whole number in the range of (0) to (1,0E19)	query	long
newGrade	<div></div>	Id of new grade a whole number in the range of (0) to (1,0E19)	query	long
newSalary	<div></div>	New salary, a decimal number with precision = 14 and scale = 2	query	double

Response Messages

HTTP Status Code	Reason	Response Model	Headers
201	Created		
401	Unauthorized		
403	Forbidden		
404	Employee with given id does not exist		
500	Internal server error	Response Model	Headers

Try it out!

POST

/employees/{employeeId}/transfer

Transfer employee from one department to another

Response Class (Status 200)

Successful transfer of employee

Model

Example Value

```
{
  "birthdate": "2017-09-12",
  "department_id": 0,
  "fired": true,
  "firstname": "string",
  "gender": "M",
  "grade_id": 0,
  "id": 0,
  "lastname": "string",
  "middlename": "string",
  "position_id": 0,
  "salary": 0
}
```

Response Content Type

/

Parameters

Parameter	Value	Description	Parameter Type	Data Type
employeeId	<div>(required)</div>	Id of employee, a whole number in the range of (0) to (1,0E19)	path	long
newDepartmentId	<div>(required)</div>	Id of new department, a whole number in the range of (0) to (1,0E19)	query	long

Response Messages

HTTP Status Code	Reason	Response Model	Headers
201	Created		
401	Unauthorized		
403	Forbidden		
404	Employee with given id does not exist or the department does not exist		
500	Internal server error		

Try it out!

grades-controller : Grades Controller

GET

/grades

Get all grades

Response Class (Status 200)

OK

Model | Example Value

```
[
  {
    "grade": "string",
    "id": 0
  }
]
```

Response Content Type */*

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

POST /grades Create new grade

Response Class (Status 200)

OK

Model | Example Value

```
{
  "grade": "string",
  "id": 0
}
```

Response Content Type */*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
-----------	-------	-------------	----------------	-----------

gradeDetails

(required)

gradeDetails

body

Model

Example Value

```
{
  "grade": "string"
}
```

Parameter content type:
application/json

Response Messages

HTTP Status Code	Reason	Response Model	Headers
201	Created		
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

positions-controller : Positions Controller

GET /positions [Get all positions](#)

Response Class (Status 200)

OK

Model

Example Value

```
[
  {
    "id": 0,
    "name": "string"
  }
]
```

Response Content Type */*

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		

HTTP Status Code	Reason	Response Model	Headers
404	Not Found		

Try it out!

POST

/positions

Create new position

Response Class (Status 200)

OK

Model

Example Value

```
{  "id": 0,  "name": "string"}  
```

Response Content Type

/

Parameters

Parameter	Value	Description	Parameter Type	Data Type
positionDetails	<div>(required)</div>	positionDetails	body	<div><div>Model</div><div>Example Value</div></div> <div><pre>{ "name": "string"} </pre></div>

Parameter content type:

application/json

Response Messages

HTTP Status Code	Reason	Response Model	Headers
201	Created		
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

[BASE URL: / , API VERSION: 0.1]