

Project Name-**Employee management system**

Target audience – HR department

Base url – <http://localhost:8080/api/v1/employee-management>

Status code used-

- 200(OK)-It indicates that the REST API successfully carried out whatever action the client requested, and that no more specific code in the 2xx series is appropriate.
- 401 (Unauthorized) - A 401 error response indicates that the client tried to operate on a protected resource without providing the proper authorization. It may have provided the wrong credentials or none at all. The response must include a WWW-Authenticate header field containing a challenge applicable to the requested resource.
- 403 (Forbidden)-A 403 error response indicates that the client's request is formed correctly, but the REST API refuses to honor it i.e. the user does not have the necessary permissions for the resource.

Basic Requirement:

Employee

Employee – Create a new employee

`/employee`

Permission: none

Parameter

Field	Type	Description
name	String	Name of the employee
mobile	String	Mobile number of the employee
doe	Date	Date of employment
doj	Date	Date of joining

Success 200

Field	Type	Description
id	String	The new employee's id

Error 4xx

Field	Description
NoAccessRight	Only authenticated Admins can access the data.
EmployeeNameTooShort	Minimum of 5 characters required.

Response(example)

```
HTTP/1.1 400 Bad Request
{
  "error": "EmployeeNameTooShort"
}
```

Employee – Update an employee record

Permission: none

Parameter

Field	Type	Description
name	String	Name of the employee
mobile	String	Mobile number of the employee
doj	Date	Date of joining

Error 4xx

Field	Description
NoAccessRight	Only authenticated Admins can access the data.
EmployeeNameTooShort	Minimum of 5 characters required.

Project

Project – Create a new project

Permission: none

Parameter

Field	Type	Description
name	String	Name of the project
info	String	Brief information about the project

Success 200

Field	Type	Description
id	String	The new project's id

Error 4xx

Field	Description
NoAccessRight	Only authenticated Admins can access the data.

Project– Update a project

PUT

/project/{id}

Permission: none

Parameter

Field	Type	Description
name	String	Name of the project
info	String	Brief information about the project

Error 4xx

Field	Description
NoAccessRight	Only authenticated Admins can access the data.

Employee-Project assignment for employee

POST

/employee/project/

Permission: none

Parameter

Field	Type	Description
name	String	Name of the project
info	String	Brief Information about the project
role	String	Role in the project
date	Date	Date of assignment

Success 200

Field	Type	Description
pid	String	The new project's id

Error 4xx

Field	Description
NoAccessRight	Only authenticated Admins can access the data.

Employee-Project updation for employee

PUT

/employee/{id}/project

Permission: none

Parameter

Field	Type	Description
name	String	Name of the project
info	String	Brief information about the project
role	String	Role in the project
date	Date	Date of assignment

Error 4xx

Field	Description
NoAccessRight	Only authenticated Admins can access the data.