**Employee Portal**

This document describes the following APIs from Employee Portal:

* Fetch All Employees
* Sort Employees based on various parameters

**Fetch All Employees:**

This service is a GET service which takes a get URL and returns the list of Employees stored in the in-memory database.

URL: http://localhost:9090/employee/getAll

Sample Response:

{

"employeeList": [

{

"serialNo": 1,

"name": "Rohit",

"hireDate": "2009-07-21T11:04:04.282+0000",

"salary": 20000

},

{

"serialNo": 2,

"name": "Manish",

"hireDate": "2014-07-21T11:04:04.282+0000",

"salary": 25000

},

{

"serialNo": 3,

"name": "Abhi",

"hireDate": "2011-07-21T11:04:04.282+0000",

"salary": 15000

},

{

"serialNo": 4,

"name": "Prem",

"hireDate": "2018-07-21T11:04:04.282+0000",

"salary": 18000

},

{

"serialNo": 5,

"name": "Amar",

"hireDate": "2017-07-21T11:04:04.282+0000",

"salary": 10000

}

],

"responseInfo": {

"responseCode": "SUCCESS",

"responseDesc": "REQUEST PROCESSED SUCCESSFULLY"

}

}

**Sort Employees based on various parameters:**

This service is a POST service which takes the list of employees returned by fetch all service and a parameter basis which the list is to be sorted (in ascending order) and returns the sorted list of employees.

URL: http://localhost:9090/employee/sort

Sample Request1 (Sort By Name):

{

"sortParam" : "NAME",

"employeeList" : [

{

"serialNo": 1,

"name": "Rohit",

"hireDate": "2009-07-21T09:27:19.454+0000",

"salary": 20000

},

{

"serialNo": 2,

"name": "Manish",

"hireDate": "2014-07-21T09:27:19.454+0000",

"salary": 25000

},

{

"serialNo": 3,

"name": "Abhi",

"hireDate": "2011-07-21T09:27:19.454+0000",

"salary": 15000

},

{

"serialNo": 4,

"name": "Prem",

"hireDate": "2018-07-21T09:27:19.454+0000",

"salary": 18000

},

{

"serialNo": 5,

"name": "Amar",

"hireDate": "2017-07-21T09:27:19.454+0000",

"salary": 10000

}

]

}

Sample Response1 ((Sort By Name):

{

"employeeList": [

{

"serialNo": 3,

"name": "Abhi",

"hireDate": "2011-07-21T09:27:19.454+0000",

"salary": 15000

},

{

"serialNo": 5,

"name": "Amar",

"hireDate": "2017-07-21T09:27:19.454+0000",

"salary": 10000

},

{

"serialNo": 2,

"name": "Manish",

"hireDate": "2014-07-21T09:27:19.454+0000",

"salary": 25000

},

{

"serialNo": 4,

"name": "Prem",

"hireDate": "2018-07-21T09:27:19.454+0000",

"salary": 18000

},

{

"serialNo": 1,

"name": "Rohit",

"hireDate": "2009-07-21T09:27:19.454+0000",

"salary": 20000

}

],

"sortParam": "NAME",

"responseInfo": {

"responseCode": "SUCCESS",

"responseDesc": "REQUEST PROCESSED SUCCESSFULLY"

}

}

Sample Request2 (Sort By HireDate):

{

"sortParam" : "HIREDATE",

"employeeList" : [

{

"serialNo": 1,

"name": "Rohit",

"hireDate": "2009-07-21T09:27:19.454+0000",

"salary": 20000

},

{

"serialNo": 2,

"name": "Manish",

"hireDate": "2014-07-21T09:27:19.454+0000",

"salary": 25000

},

{

"serialNo": 3,

"name": "Abhi",

"hireDate": "2011-07-21T09:27:19.454+0000",

"salary": 15000

},

{

"serialNo": 4,

"name": "Prem",

"hireDate": "2018-07-21T09:27:19.454+0000",

"salary": 18000

},

{

"serialNo": 5,

"name": "Amar",

"hireDate": "2017-07-21T09:27:19.454+0000",

"salary": 10000

}

]

}

Sample Response2 (Sort By HireDate):

{

"employeeList": [

{

"serialNo": 1,

"name": "Rohit",

"hireDate": "2009-07-21T09:27:19.454+0000",

"salary": 20000

},

{

"serialNo": 3,

"name": "Abhi",

"hireDate": "2011-07-21T09:27:19.454+0000",

"salary": 15000

},

{

"serialNo": 2,

"name": "Manish",

"hireDate": "2014-07-21T09:27:19.454+0000",

"salary": 25000

},

{

"serialNo": 5,

"name": "Amar",

"hireDate": "2017-07-21T09:27:19.454+0000",

"salary": 10000

},

{

"serialNo": 4,

"name": "Prem",

"hireDate": "2018-07-21T09:27:19.454+0000",

"salary": 18000

}

],

"sortParam": "HIREDATE",

"responseInfo": {

"responseCode": "SUCCESS",

"responseDesc": "REQUEST PROCESSED SUCCESSFULLY"

}

}

Sample Request3 (Sort By Salary):

{

"sortParam" : "SALARY",

"employeeList" : [

{

"serialNo": 1,

"name": "Rohit",

"hireDate": "2009-07-21T09:27:19.454+0000",

"salary": 20000

},

{

"serialNo": 2,

"name": "Manish",

"hireDate": "2014-07-21T09:27:19.454+0000",

"salary": 25000

},

{

"serialNo": 3,

"name": "Abhi",

"hireDate": "2011-07-21T09:27:19.454+0000",

"salary": 15000

},

{

"serialNo": 4,

"name": "Prem",

"hireDate": "2018-07-21T09:27:19.454+0000",

"salary": 18000

},

{

"serialNo": 5,

"name": "Amar",

"hireDate": "2017-07-21T09:27:19.454+0000",

"salary": 10000

}

]

}

Sample Response3 (Sort By Salary):

{

"employeeList": [

{

"serialNo": 5,

"name": "Amar",

"hireDate": "2017-07-21T09:27:19.454+0000",

"salary": 10000

},

{

"serialNo": 3,

"name": "Abhi",

"hireDate": "2011-07-21T09:27:19.454+0000",

"salary": 15000

},

{

"serialNo": 4,

"name": "Prem",

"hireDate": "2018-07-21T09:27:19.454+0000",

"salary": 18000

},

{

"serialNo": 1,

"name": "Rohit",

"hireDate": "2009-07-21T09:27:19.454+0000",

"salary": 20000

},

{

"serialNo": 2,

"name": "Manish",

"hireDate": "2014-07-21T09:27:19.454+0000",

"salary": 25000

}

],

"sortParam": "SALARY",

"responseInfo": {

"responseCode": "SUCCESS",

"responseDesc": "REQUEST PROCESSED SUCCESSFULLY"

}

}

**Negative Scenarios:**

Empty Request:

{

}

Response:

{

"employeeList": null,

"sortParam": null,

"responseInfo": {

"responseCode": "FAIL",

"responseDesc": "INVALID REQUEST"

}

}

Invalid Sort Param:

{

"sortParam" : "RATING",

"employeeList" : [

{

"serialNo": 1,

"name": "Rohit",

"hireDate": "2009-07-21T09:27:19.454+0000",

"salary": 20000

},

{

"serialNo": 2,

"name": "Manish",

"hireDate": "2014-07-21T09:27:19.454+0000",

"salary": 25000

},

{

"serialNo": 3,

"name": "Abhi",

"hireDate": "2011-07-21T09:27:19.454+0000",

"salary": 15000

},

{

"serialNo": 4,

"name": "Prem",

"hireDate": "2018-07-21T09:27:19.454+0000",

"salary": 18000

},

{

"serialNo": 5,

"name": "Amar",

"hireDate": "2017-07-21T09:27:19.454+0000",

"salary": 10000

}

]

}

Response:

{

"employeeList": null,

"sortParam": null,

"responseInfo": {

"responseCode": "FAIL",

"responseDesc": "INVALID REQUEST"

}

}

**Response Codes and Description:**

SUCCESS

REQUEST PROCESSED SUCCESSFULLY

FAIL

REQUEST FAILED

MENDATORY PARAMETER MISSING

NO DATA FOUND

INVALID REQUEST