REST API Documentation

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Title:
- Listing existing jobs from the database.

URL Pattern:
- /searchJob/list

Method:
- HTTP method: GET

URL parameters:
- -

Body parameters:
- -

Successful response:
- Status code: 200
- Response body: JSON
- Structure:
  {

  "jobID": Integer,
  "jobName" String,
  "jobRequiredEducation": enum,
  "jobDescription": String,
  "jobSalary": Integer,
  "jobCategory":String

  }

Error response:
- 404 – NOT FOUND

Example request:
- /searchJob/list

Title:
- Listing existing jobs from the database ordered by name.

URL Pattern:
- /searchJob/sortByName

Method:
- HTTP method: GET

URL parameters:
- -

Body parameters:
- -

Successful response:
- Status code: 200
- Response body: JSON
- Structure:

    {

        "jobID": Integer,
        "jobName" String,
        "jobRequiredEducation": enum,
        "jobDescription": String,
        "jobSalary": Integer,
        "jobCategory":String

    }

Error response:
- 404 – NOT FOUND

Example request:
- /searchJob/sortByName

Title:

- Listing jobs by a given education level or lower.

URL Pattern:

- /searchJob/listByMinEducation

Method:

- HTTP method: GET

URL parameters:

- /searchJob/listByMinEducation?education=Type of education (String)

Body parameters:

- -

Successful response:

- Status code: 200
- Response body: JSON
- Structure:

```
{
        "jobID": Integer,
        "jobName" String,
        "jobRequiredEducation": enum,
        "jobDescription": String,
        "jobSalary": Integer,
        "jobCategory":String
}
```

Error response:

- 400 – BAD REQUEST
- 404 – NOT FOUND

Example request:

- /searchJob/listByMinEducation?education=high_school

Title:
- Returns a single job by name.

URL Pattern:
- /searchJob/listByJobName

Method:
- HTTP method: GET

URL parameters:
- /searchJob/listByJobName?name=JobName (String)

Body parameters:
- -

Successful response:
- Status code: 200
- Response body: JSON
- Structure:

```
{
        "jobID": Integer,
        "jobName" String,
        "jobRequiredEducation": enum,
        "jobDescription": String,
        "jobSalary": Integer,
        "jobCategory":String
}
```

Error response:
- 400 – BAD REQUEST
- 404 – NOT FOUND

Example request:
- /searchJob/listByJobName?name=ARandomJob4

Title:

- List jobs where the salary is equal to or higher than a given amount.

URL Pattern:

- /searchJob/listByMinSalary

Method:

- HTTP method: GET

URL parameters:

- /searchJob/listByMinSalary?minSalary=salary (Integer)

Body parameters:

- -

Successful response:

- Status code: 200
- Response body: JSON
- Structure:

  {

  "jobID": Integer,
  "jobName" String,
  "jobRequiredEducation": enum,
  "jobDescription": String,
  "jobSalary": Integer,
  "jobCategory":String

  }

Error response:

- 400 – BAD REQUEST
- 404 – NOT FOUND

Example request:

- /searchJob/listByMinSalary?minSalary=2000

Title:

- Add new job to the database.

URL Pattern:

- /hr/addJob

Method:

- HTTP method: POST

URL parameters:

- -

Body parameters:

```
{
        "jobID": Integer,
        "jobName" String,
        "jobRequiredEducation": enum,
        "jobDescription": String,
        "jobSalary": Integer,
        "jobCategory":String
}
```

Successful response:

- Status code: 200
- Response body: JSON
- Structure:

```
{
        "jobID": Integer,
        "jobName" String,
        "jobRequiredEducation": enum,
        "jobDescription": String,
        "jobSalary": Integer,
        "jobCategory":String
}
```

Error response:

- 400 – BAD REQUEST
- 409 - CONFLICT

Example request:

```
{
        "jobID": 255,
        "jobName": "Paper sorter",
        "jobRequiredEducation": "MIDDLE_SCHOOL",
        "jobDescription": "You have to sort papers",
        "jobSalary": 500,
        "jobCategory":"Paperwork"
}
```

Title:
- List the job ID and Name

URL Pattern:
- /hr/list

Method:
- HTTP method: GET

URL parameters:
- -

Body parameters:
- -

Successful response:
- Status code: 200
- Response body: JSON
- Structure:
  ```
  {
          "jobID": Integer,
          "jobName" String,
  }
  ```

Error response:
- 400 – BAD REQUEST
- 404 – NOT FOUND

Example request:
- /hr/list