

REST API Documentation of Web Applications assignment project

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Title: Listing all the available jobs from the server.

Type: Query / Fetch

Purpose: Clear

Count: Many records

URL Pattern:

/applicant/listAllJobs

Method:

HTTP method: GET

URL parameters: -

Body parameters: -

Successful response:

Status code: 200

Response body: JSON

Structure definition:

```
{  
  "jobID": Integer,  
  "jobName": text,  
  "jobLocation": text,  
  "jobCompany": text,  
  "jobDescription": text}
```

Error response:

404 – Page not found

Example request:

/applicant/listAllJobs

Title: Listing all the applications by a given name.

Type: Query / Fetch

Purpose: Clear

Count: Many records

URL Pattern:

/applicant/listMyApplicationByName

Method:

HTTP method: POST

URL parameters: -

Body parameters:

Content-type: application/XML

<assig:job xmlns:assig="assignment">

<assig:applicantName>Text</assig:applicantName>

</assig:job>

Successful response:

Status code: 200

Response body: JSON

Structure definition:

```
{
  "applicationID": integer,
  "job": {
    "jobID": Integer,
    "jobName": text,
    "jobLocation": text,
    "jobCompany": text,
    "jobDescription": text
  },
  "applicant": {
    "applicantID": Integer,
    "applicantName": text,
    "applicantEmail": text,
    "applicantPhoneNumber": text,
    "applicantAge": Integer
  }
}
```

Error response:

404 – Page not found

Example request:

/applicant/listMyApplicationByName

Title: Listing all the applications by a given job name.

Type: Query / Fetch

Purpose: Clear

Count: Many records

URL Pattern:

/applicant/listMyApplicationByJobName

Method:

HTTP method: POST

URL parameters: -

Body parameters:

Content-type: application/XML

<assig:job xmlns:assig="assignment">

<assig:jobName>Text</assig:jobName>

</assig:job>

Successful response:

Status code: 200

Response body: JSON

Structure definition:

```
{  
  "applicationID": integer,  
  "job": {  
    "jobID": Integer,  
    "jobName": text,  
    "jobLocation": text,  
    "jobCompany": text,  
    "jobDescription": text  
  },  
  "applicant": {  
    "applicantID": Integer,  
    "applicantName": text,  
    "applicantEmail": text,  
    "applicantPhoneNumber": text,  
    "applicantAge": Integer  
  }  
}
```

Error response:

404 – Page not found

Example request:

/applicant/listMyApplicationByJobName

Title: Listing all the applications by a given job location.

Type: Query / Fetch

Purpose: Clear

Count: Many records

URL Pattern:

/applicant/listMyApplicationByJobLocation

Method:

HTTP method: POST

URL parameters: -

Body parameters:

Content-type: application/XML

<assig:job xmlns:assig="assignment">

<assig:jobLocation>Text</assig:jobLocation>

</assig:job>

Successful response:

Status code: 200

Response body: JSON

Structure definition:

```
{  
  "applicationID": integer,  
  "job": {  
    "jobID": Integer,  
    "jobName": text,  
    "jobLocation": text,  
    "jobCompany": text,  
    "jobDescription": text  
  },  
  "applicant": {  
    "applicantID": Integer,  
    "applicantName": text,  
    "applicantEmail": text,  
    "applicantPhoneNumber": text,  
    "applicantAge": Integer  
  }  
}
```

Error response:

404 – Page not found

Example request:

/applicant/listMyApplicationByJobLocation

Title: Listing all the applications by a given company name.

Type: Query / Fetch

Purpose: Clear

Count: Many records

URL Pattern:

/applicant/listMyApplicationByCompany

Method:

HTTP method: POST

URL parameters: -

Body parameters:

Content-type: application/XML

```
<assig:job xmlns:assig=\"assignment\">
    <assig:jobCompany>Text</assig:jobCompany>
</assig:job>
```

Successful response:

Status code: 200

Response body: JSON

Structure definition:

```
{\"applicationID\": integer,
  \"job\": {
    \"jobID\": Integer,
    \"jobName\": text,
    \"jobLocation\": text,
    \"jobCompany\": text,
    \"jobDescription\": text
  },
  \"applicant\": {
    \"applicantID\": Integer,
    \"applicantName\": text,
    \"applicantEmail\": text,
    \"applicantPhoneNumber\": text,
    \"applicantAge\": Integer}
}
```

Error response:

404 – Page not found

Example request:

/applicant/listMyApplicationByCompany

Title: Listing all the available jobs from the server.

Type: Query / Fetch

Purpose: Clear

Count: Many records

URL Pattern:

/operator/listAllJobs

Method:

HTTP method: GET

URL parameters: -

Body parameters: -

Successful response:

Status code: 200

Response body: JSON

Structure definition:

```
{  
  "jobID": Integer,  
  "jobName": text,  
  "jobLocation": text,  
  "jobCompany": text,  
  "jobDescription": text  
}
```

Error response:

404 – Page not found

Example request:

/operator/listAllJobs

Title: Adding a new job to the server.

URL Pattern:

/operator/addJob

Method:

HTTP method: POST

URL parameters: -

Body parameters:

Content-type: application/XML

```
<assig:job xmlns:assig="assignment">
  <assig:jobID>Integer</assig:jobID>
  <assig:jobName>text</assig:jobName>
  <assig:jobLocation>text</assig:jobLocation>
  <assig:jobCompany>text</assig:jobCompany>
  <assig:jobDescription>text</assig:jobDescription>
</assig:job>
```

Successful response:

Status code: 200

Response body: JSON

Structure definition:

```
{ "jobID": Integer,
  "jobName": text,
  "jobLocation": text,
  "jobCompany": text,
  "jobDescription": text }
```

Error response:

404 – Page not found

Example request:

/operator/addJob

Title: Deleting a job by ID from the server.

URL Pattern:

/operator/deleteJob

Method:

HTTP method: POST

URL parameters:

Required: id = [integer]

Body parameters: -

Successful response:

Status code: 200

Response body: JSON

Structure definition:

```
{  
  "jobID": Integer,  
  "jobName": text,  
  "jobLocation": text,  
  "jobCompany": text,  
  "jobDescription": text}
```

Error response:

404 – Page not found

Example request:

/operator/deleteJob?id=10

Title: Listing all the applications from the server.

Type: Query / Fetch

Purpose: Clear

Count: Many records

URL Pattern:

/operator/listAllApplications

Method:

HTTP method: GET

URL parameters: -

Body parameters: -

Successful response:

Status code: 200

Response body: JSON

Structure definition:

```
{ "applicationID": integer,  
  "job": {  
    "jobID": Integer,  
    "jobName": text,  
    "jobLocation": text,  
    "jobCompany": text,  
    "jobDescription": text  
  },  
  "applicant": {  
    "applicantID": Integer,  
    "applicantName": text,  
    "applicantEmail": text,  
    "applicantPhoneNumber": text,  
    "applicantAge": Integer}  
}
```

Error response:

404 – Page not found

Example request:

/operator/listAllApplications