REST API Documentation of Web Applications assignment project

Nussbaumer Alex,
WLM9W8

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.

>Type: Input
>Purpose: Clear
>Count: One record

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.

       Type: Input
       Purpose: Clear
       Count: One record

URL Pattern:

       /operator/deleteJob

Method:

       HTTP method: POST

URL parameters: -

Body parameters: -

       Content-type: application/XML

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

              <assig:jobID>Integer</assig:jobID>

       </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/deleteJob

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