

Skill-Capture

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Project Objective

- Update Skills for 10000 software developers
- Timeline: Complete in 96 hours
- Capture Technical / Functional Skills
- Provide UI for capturing the skill information
- Ability to search skill data
- Test with 20 users / 10 concurrent users
- Outline components used
- Make Assumptions

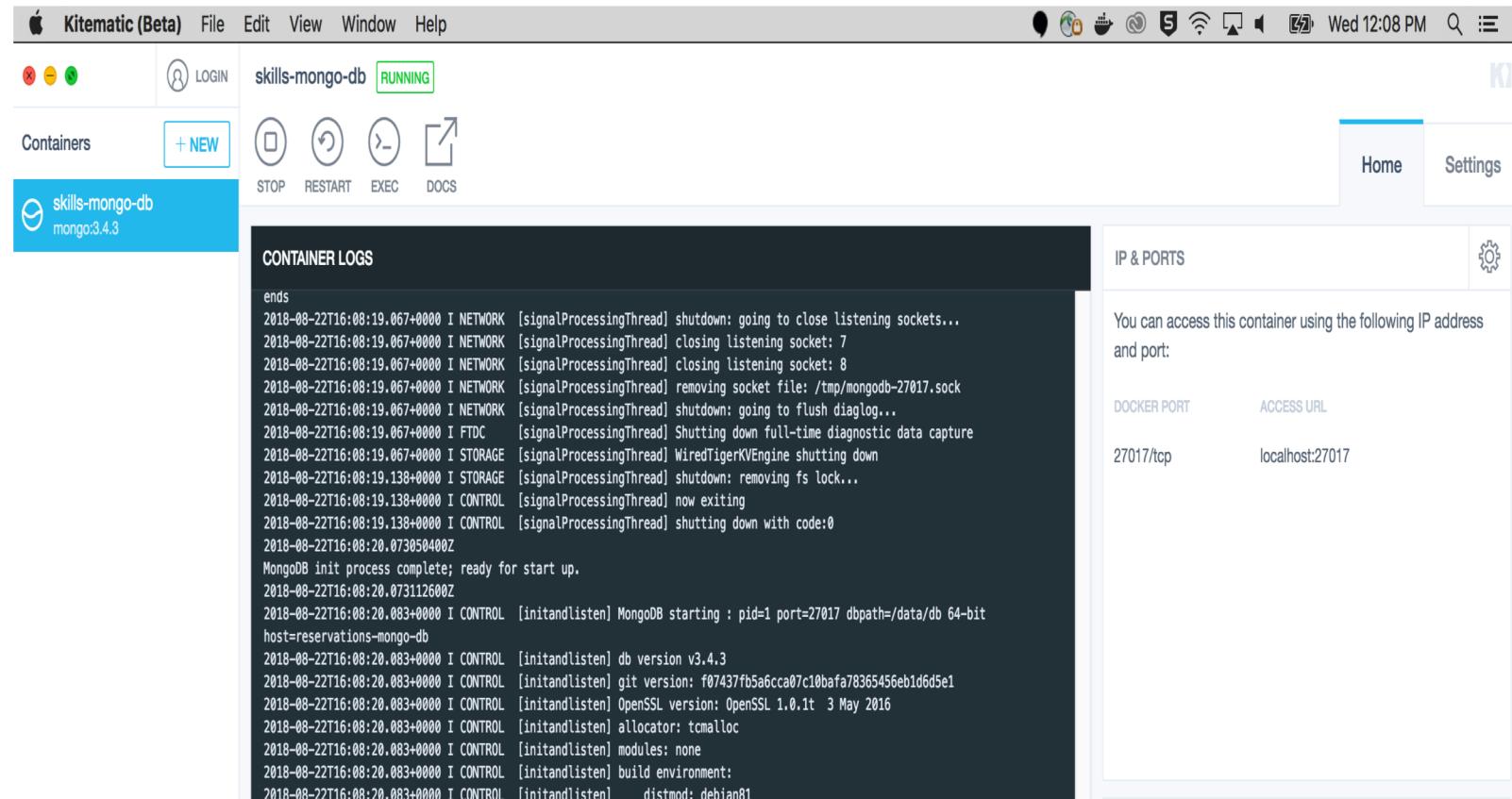
Assumptions / Design Consideration

- Minimal UI is required. Hence, Swagger-ui will be the ui for this project. Once we enhance the project for responsive ui, either react or angular js will be considered.
- API based development help us to scale. Hence, Spring boot is considered
- Open source development with better build, automation / seamless delivery is encouraged. Hence, Gradle is suggested.
- Mongo DB is considered for backend for quick turnaround and better document structure.
- Spring Data is leveraged for Mongo/API communication.
- Lombok framework for getters/setters. When we enhance tests, builder will be used.

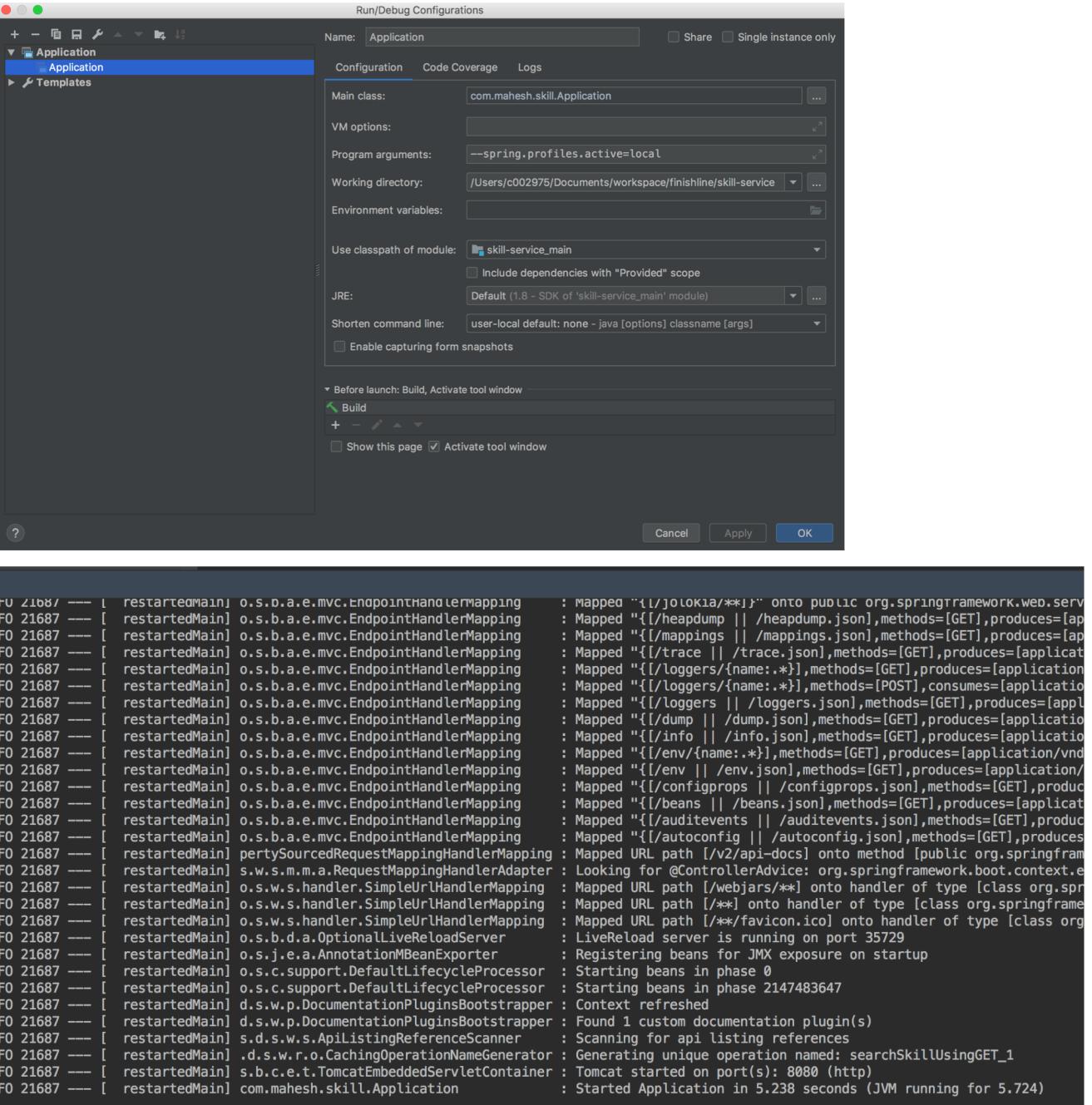
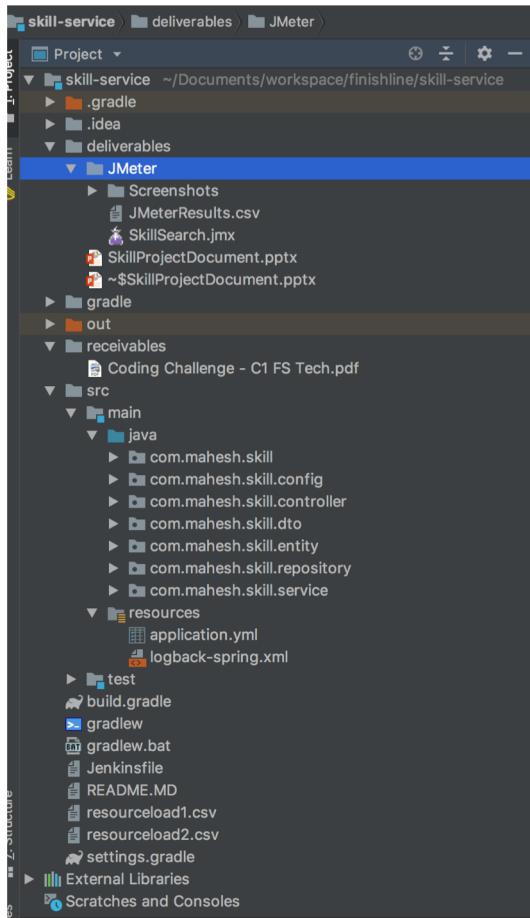
Mongo in Docker

```
docker-compose.yml x
1 version: '3.1'
2 services:
3   mongodb:
4     image: mongo:3.4.3
5     hostname: skills-mongo-db
6     ports:
7       - 27017:27017
8     volumes:
9       - /data/db
10    container_name: skills-mongo-db
11    environment:
12      MONGO_INITDB_ROOT_USERNAME: admin
13      MONGO_INITDB_ROOT_PASSWORD: localadmin
14    command: --auth
```

```
Terminal
+ 8812-0012717:skill-dev-tools c002975$ docker-compose up -d
Creating skills-mongo-db ... done
x 8812-0012717:skill-dev-tools c002975$
```



Project Setup



API – Import Skilled Resources

The screenshot shows the Swagger UI interface for the `/api/skills/importSkilledResources` endpoint. The response class is `Status 200` with a `OK` message. The model example value is `{}`. The response content type is `*/*`. A parameter `file` is defined with a value of `Choose File resourceLoad1.csv`, which is a file type. The response messages include `201 Created`, `401 Unauthorized`, `403 Forbidden`, and `404 Not Found`. A "Try it out!" button is present at the bottom.

The screenshot shows the MongoDB Compass interface connected to a database named `LocalDatabase`. The `softwareDeveloperSkill` collection is selected. A query `db.getCollection('softwareDeveloperSkill').find({})` is run, returning 10000 results. The results are displayed in a table with columns for Key, Value, and Type. The first few documents show fields like `_id`, `ssn`, `firstName`, `lastName`, `emailAddress`, `phoneNumber`, `primarySkillInfo`, and `secondarySkillInfo`.

Key	Value	Type
(1) ObjectId("5b7cbff01efb1379415a95b")	{ _id: ObjectId("5b7cbff01efb1379415a95b"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(2) ObjectId("5b7cbff01efb1379415a95c")	{ _id: ObjectId("5b7cbff01efb1379415a95c"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(3) ObjectId("5b7cbff01efb1379415a95d")	{ _id: ObjectId("5b7cbff01efb1379415a95d"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(4) ObjectId("5b7cbff01efb1379415a95e")	{ _id: ObjectId("5b7cbff01efb1379415a95e"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(5) ObjectId("5b7cbff01efb1379415a95f")	{ _id: ObjectId("5b7cbff01efb1379415a95f"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(6) ObjectId("5b7cbff01efb1379415a960")	{ _id: ObjectId("5b7cbff01efb1379415a960"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(7) ObjectId("5b7cbff01efb1379415a961")	{ _id: ObjectId("5b7cbff01efb1379415a961"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(8) ObjectId("5b7cbff01efb1379415a962")	{ _id: ObjectId("5b7cbff01efb1379415a962"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(9) ObjectId("5b7cbff01efb1379415a963")	{ _id: ObjectId("5b7cbff01efb1379415a963"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(10) ObjectId("5b7cbff01efb1379415a964")	{ _id: ObjectId("5b7cbff01efb1379415a964"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(11) ObjectId("5b7cbff01efb1379415a965")	{ _id: ObjectId("5b7cbff01efb1379415a965"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(12) ObjectId("5b7cbff01efb1379415a966")	{ _id: ObjectId("5b7cbff01efb1379415a966"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(13) ObjectId("5b7cbff01efb1379415a967")	{ _id: ObjectId("5b7cbff01efb1379415a967"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(14) ObjectId("5b7cbff01efb1379415a968")	{ _id: ObjectId("5b7cbff01efb1379415a968"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(15) ObjectId("5b7cbff01efb1379415a969")	{ _id: ObjectId("5b7cbff01efb1379415a969"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(16) ObjectId("5b7cbff01efb1379415a96a")	{ _id: ObjectId("5b7cbff01efb1379415a96a"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(17) ObjectId("5b7cbff01efb1379415a96b")	{ _id: ObjectId("5b7cbff01efb1379415a96b"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(18) ObjectId("5b7cbff01efb1379415a96c")	{ _id: ObjectId("5b7cbff01efb1379415a96c"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(19) ObjectId("5b7cbff01efb1379415a96d")	{ _id: ObjectId("5b7cbff01efb1379415a96d"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(20) ObjectId("5b7cbff01efb1379415a96e")	{ _id: ObjectId("5b7cbff01efb1379415a96e"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(21) ObjectId("5b7cbff01efb1379415a96f")	{ _id: ObjectId("5b7cbff01efb1379415a96f"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(22) ObjectId("5b7cbff01efb1379415a970")	{ _id: ObjectId("5b7cbff01efb1379415a970"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(23) ObjectId("5b7cbff01efb1379415a971")	{ _id: ObjectId("5b7cbff01efb1379415a971"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(24) ObjectId("5b7cbff01efb1379415a972")	{ _id: ObjectId("5b7cbff01efb1379415a972"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(25) ObjectId("5b7cbff01efb1379415a973")	{ _id: ObjectId("5b7cbff01efb1379415a973"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object
(26) ObjectId("5b7cbff01efb1379415a974")	{ _id: ObjectId("5b7cbff01efb1379415a974"), com.mahe... : SoftwareDeveloperInfo, ssn: 22222222, firstName: "Mahesh", lastName: "Mahesh", emailAddress: "mahesh1@email.com", phoneNumber: "11111111", primarySkillInfo: { }, secondarySkillInfo: { } }	Object

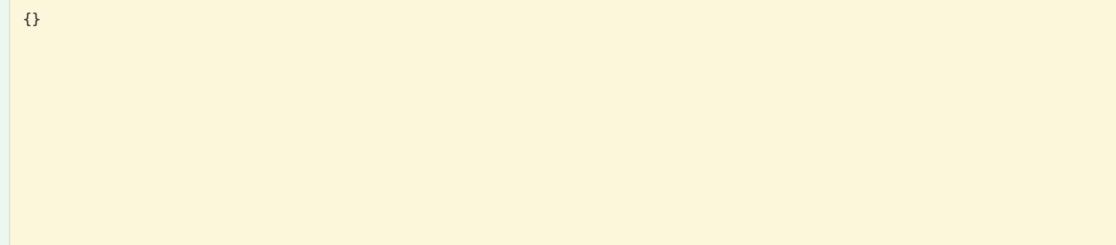
The screenshot shows the MongoDB Compass logs for the command `* db.getCollection('softwareDeveloperSkill')`. The output shows the command was run on the `LocalDatabase` at `localhost:27017` using the `admin` database. The result of the `db.getCollection('softwareDeveloperSkill').find({}).count()` query is `10000`, indicating 10,000 documents were imported.

```
* db.getCollection('softwareDeveloperSkill')
LocalDatabase localhost:27017 admin
db.getCollection('softwareDeveloperSkill').find({}).count()
0.001 sec.
10000
```

Add Skill

POST /api/skills/addSkill addSkill

Response Class (Status 200)
OK

Model Example Value
{}


Response Content Type */*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
skillDTO	<pre>{ "primarySkillInfo": { "experienceInYears": 2, "skill": "scala", "skillType": "technical" }, "secondarySkillInfo": { "experienceInYears": 2, "skill": "pmp", "skillType": "functional" }, "ssn": "123456789" }</pre>	skillDTO	body	Model Example Value  <pre>{ "primarySkillInfo": { "experienceInYears": 0, "skill": "string", "skillType": "string" }, "secondarySkillInfo": { "experienceInYears": 0, "skill": "string", "skillType": "string" }, "ssn": 0 }</pre>

Parameter content type: application/json

Response Messages

HTTP Status Code	Reason	Response Model	Headers
------------------	--------	----------------	---------

Search Skill

GET /api/skills/searchSkill searchSkill

Response Class (Status 200)
OK

Model Example Value

```
[  
  {  
    "emailAddress": "string",  
    "firstName": "string",  
    "lastName": "string",  
    "phoneNumber": "string",  
    "primarySkillInfo": {  
      "experienceInYears": 0,  
      "skill": "string",  
      "skillType": "string"  
    },  
    "ssn": 2222222222  
  }  
]
```

Response Content Type */*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
search	java	search	query	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

Request URL
<http://localhost:8080/api/skills/searchSkill?search=java>

Request Headers

```
{  
  "Accept": "*/*"  
}
```

Response Body

```
[  
  {  
    "ssn": 2222222222,  
    "firstName": "FirstName1",  
    "lastName": "LastName1",  
    "emailAddress": "mahesh1@email.com1",  
    "phoneNumber": "1111111111",  
    "primarySkillInfo": {  
      "skill": "java",  
      "experienceInYears": 1,  
      "skillType": "Technical"  
    },  
    "secondarySkillInfo": {  
      "skill": "fullstack",  
      "experienceInYears": 5,  
      "skillType": "Technical"  
    },  
    {  
      "ssn": 2222222223,  
      "firstName": "FirstName2",  
      "lastName": "LastName2",  
      "emailAddress": "mahesh2@email.com2",  
      "phoneNumber": "2222222222",  
      "primarySkillInfo": {  
        "skill": "python",  
        "experienceInYears": 2,  
        "skillType": "Technical"  
      },  
      "secondarySkillInfo": {  
        "skill": "dataScience",  
        "experienceInYears": 3,  
        "skillType": "Technical"  
      }  
    }  
  }  
]
```

Search and Filter Skills

GET /api/skills/searchSkillByFilters searchSkill

Response Class (Status 200)
OK

Model Example Value

```
[  
  {  
    "emailAddress": "string",  
    "firstName": "string",  
    "lastName": "string",  
    "phoneNumber": "string",  
    "primarySkillInfo": {  
      "experienceInYears": 0,  
      "skill": "string",  
      "skillType": "string"  
    },  
    "ssn": 222223222,  
    "firstName": "FirstName1001",  
    "lastName": "LastName1001",  
    "emailAddress": "mahesh1@email.com1001",  
    "phoneNumber": "1111112111",  
    "secondarySkillInfo": {  
      "skill": "fullstack",  
      "experienceInYears": 4,  
      "skillType": "Technical"  
    }  
  },  
  {  
    "ssn": 222223223,  
    "firstName": "FirstName1002",  
    "lastName": "LastName1002",  
    "emailAddress": "mahesh2@email.com1002",  
    "phoneNumber": "1111112112",  
    "primarySkillInfo": {  
      "experienceInYears": 1,  
      "skill": "java",  
      "skillType": "Technical"  
    },  
    "secondarySkillInfo": {  
      "experienceInYears": 3,  
      "skill": "fullstack",  
      "skillType": "Technical"  
    }  
  }]
```

Response Content Type */*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
search	java	search	query	string
minExperience	2	minExperience	query	integer
maxExperience	3	maxExperience	query	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

Request URL
<http://localhost:8080/api/skills/searchSkillByFilters?search=java&minExperience=2&maxExperience=3>

Request Headers

```
{ "Accept": "*/*" }
```

Response Body

```
[  
  {  
    "ssn": 222223222,  
    "firstName": "FirstName1001",  
    "lastName": "LastName1001",  
    "emailAddress": "mahesh1@email.com1001",  
    "phoneNumber": "1111112111",  
    "primarySkillInfo": {  
      "skill": "java",  
      "experienceInYears": 0,  
      "skillType": "Technical"  
    },  
    "secondarySkillInfo": {  
      "skill": "fullstack",  
      "experienceInYears": 4,  
      "skillType": "Technical"  
    }  
  },  
  {  
    "ssn": 222223223,  
    "firstName": "FirstName1002",  
    "lastName": "LastName1002",  
    "emailAddress": "mahesh2@email.com1002",  
    "phoneNumber": "1111112112",  
    "primarySkillInfo": {  
      "experienceInYears": 1,  
      "skill": "java",  
      "skillType": "Technical"  
    },  
    "secondarySkillInfo": {  
      "experienceInYears": 3,  
      "skill": "fullstack",  
      "skillType": "Technical"  
    }  
  }]
```

Response Code
200

Jmeter tests

SkillSearch.jmx (/usr/local/Cellar/jmeter/4.0/bin/SkillSearch.jmx) - Apache JMeter (4.0 r1823414)

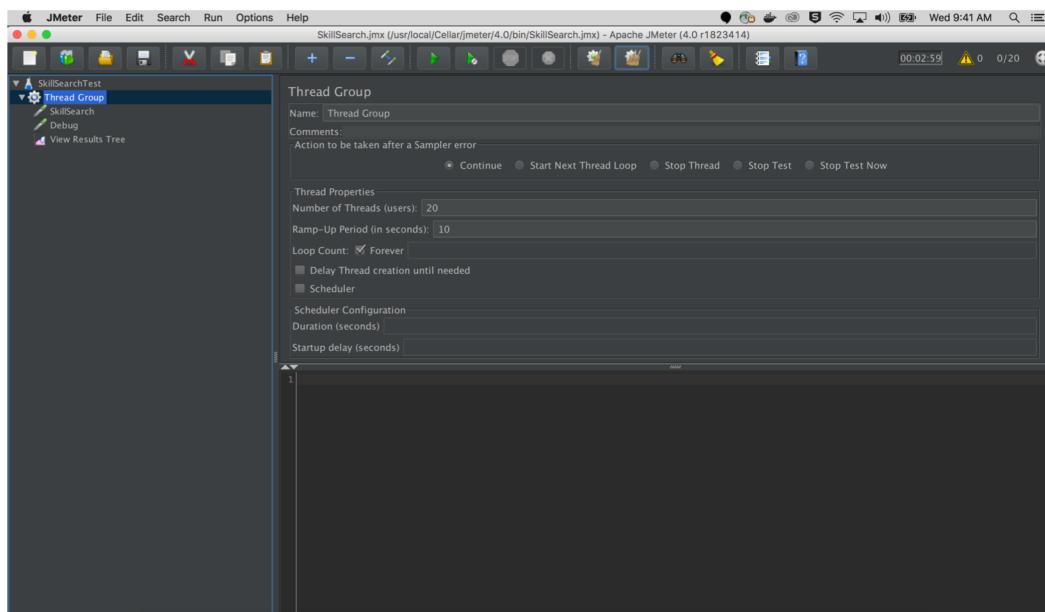
File Edit Search Run Options Help

Thread Group
Name: Thread Group
Comments:
Action to be taken after a Sampler error
• Continue • Start Next Thread Loop • Stop Thread • Stop Test • Stop Test Now

Thread Properties
Number of Threads (users): 20
Ramp-Up Period (in seconds): 10
Loop Count: Forever
■ Delay Thread creation until needed
■ Scheduler
Scheduler Configuration
Duration (seconds)
Startup delay (seconds)

1

00:02:59 0 0/20



SkillSearch.jmx (/usr/local/Cellar/jmeter/4.0/bin/SkillSearch.jmx) - Apache JMeter (4.0 r1823414)

File Edit Search Run Options Help

SkillSearchTest
Thread Group
SkillSearch
Debug
View Results Tree

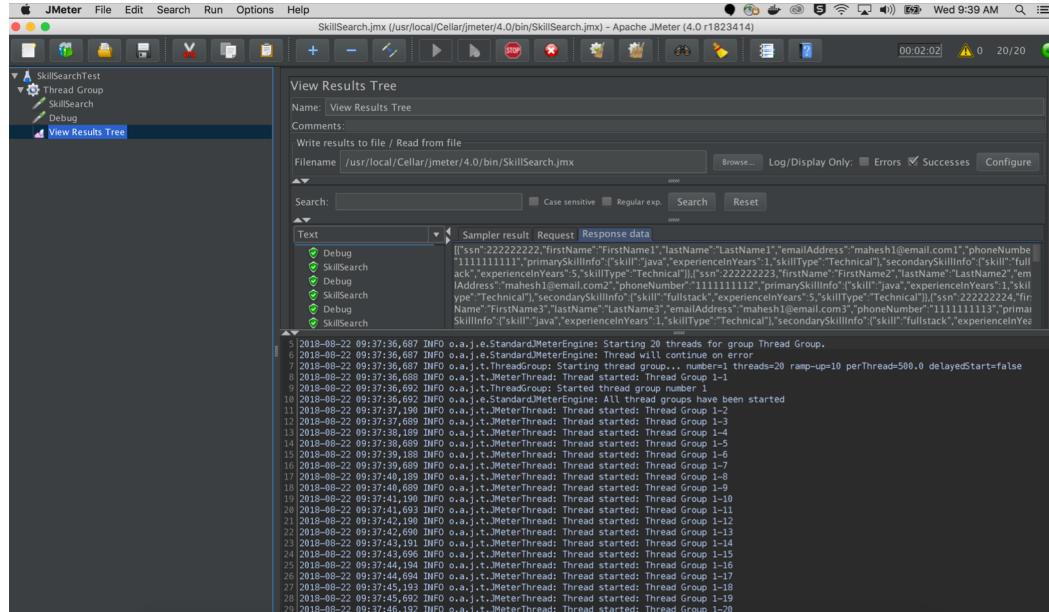
Name: View Results Tree
Comments:
Write results to file / Read from file
Filename: /usr/local/Cellar/jmeter/4.0/bin/SkillSearch.jmx

Search: Sampler result Request Response data
 Case sensitive Regular exp.

Text

5 2018-08-22 09:37:36,687 INFO o.a.j.e.StandardMeterEngine: Starting 20 threads for group Thread Group.
6 2018-08-22 09:37:36,687 INFO o.a.j.e.StandardMeterEngine: The test will continue on error
7 2018-08-22 09:37:36,687 INFO o.a.j.t.ThreadGroup: Starting thread group... number=1 threads=20 ramp-up=10 perThread=500.0 delayedStart=false
8 2018-08-22 09:37:36,688 INFO o.a.j.t.ThreadGroup: Started thread group Thread Group 1-1
9 2018-08-22 09:37:36,688 INFO o.a.j.t.ThreadGroup: Started thread 1
10 2018-08-22 09:37:36,692 INFO o.a.j.e.StandardMeterEngine: All thread groups have been started
11 2018-08-22 09:37:37,190 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-2
12 2018-08-22 09:37:37,689 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-3
13 2018-08-22 09:37:37,809 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-4
14 2018-08-22 09:37:37,809 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-5
15 2018-08-22 09:37:39,189 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-6
16 2018-08-22 09:37:39,689 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-7
17 2018-08-22 09:37:40,189 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-8
18 2018-08-22 09:37:40,190 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-9
19 2018-08-22 09:37:41,190 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-10
20 2018-08-22 09:37:41,693 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-11
21 2018-08-22 09:37:42,190 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-12
22 2018-08-22 09:37:42,690 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-13
23 2018-08-22 09:37:43,190 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-14
24 2018-08-22 09:37:43,696 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-15
25 2018-08-22 09:37:44,194 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-16
26 2018-08-22 09:37:44,694 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-17
27 2018-08-22 09:37:45,194 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-18
28 2018-08-22 09:37:45,695 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-19
29 2018-08-22 09:37:46,192 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-20

00:02:02 0 20/20



SkillSearch.jmx (/usr/local/Cellar/jmeter/4.0/bin/SkillSearch.jmx) - Apache JMeter (4.0 r1823414)

File Edit Search Run Options Help

SkillSearchTest
Thread Group
SkillSearch
Debug
View Results Tree

Name: View Results Tree
Comments:
Write results to file / Read from file
Filename: /usr/local/Cellar/jmeter/4.0/bin/SkillSearch.jmx

Search: Sampler result Request Response data
 Case sensitive Regular exp.

Text

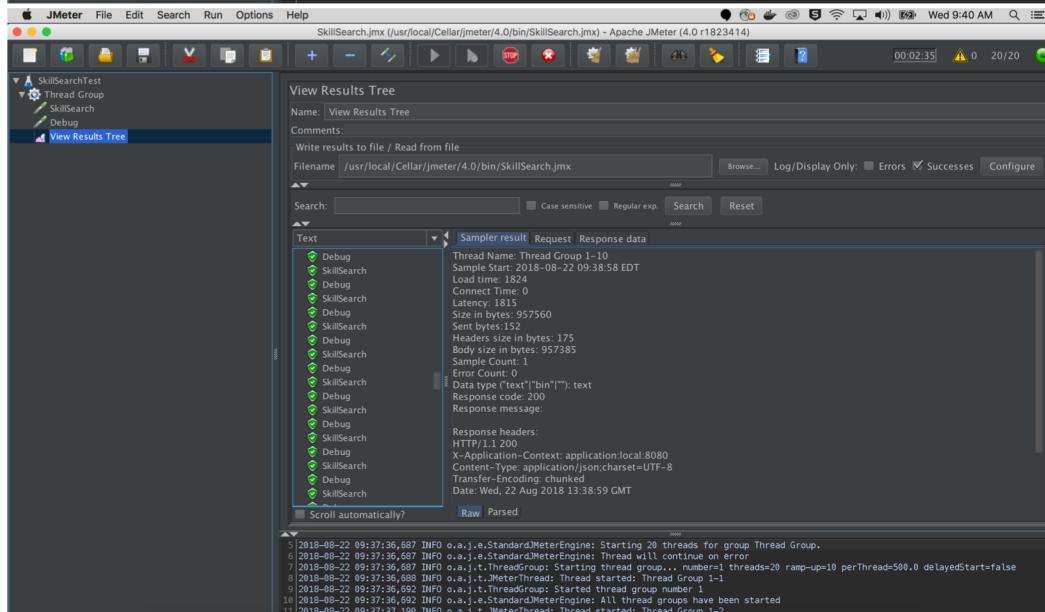
5 2018-08-22 09:37:36,687 INFO o.a.j.e.StandardMeterEngine: Starting 20 threads for group Thread Group.
6 2018-08-22 09:37:36,687 INFO o.a.j.e.StandardMeterEngine: The test will continue on error
7 2018-08-22 09:37:36,687 INFO o.a.j.t.ThreadGroup: Starting thread group... number=1 threads=20 ramp-up=10 perThread=500.0 delayedStart=false
8 2018-08-22 09:37:36,688 INFO o.a.j.t.ThreadGroup: Started thread group Thread Group 1-1
9 2018-08-22 09:37:36,688 INFO o.a.j.t.ThreadGroup: Started thread 1
10 2018-08-22 09:37:36,692 INFO o.a.j.e.StandardMeterEngine: All thread groups have been started
11 2018-08-22 09:37:37,190 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-2
12 2018-08-22 09:37:37,689 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-3
13 2018-08-22 09:37:37,809 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-4
14 2018-08-22 09:37:37,809 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-5
15 2018-08-22 09:37:39,189 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-6
16 2018-08-22 09:37:39,689 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-7
17 2018-08-22 09:37:40,189 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-8
18 2018-08-22 09:37:40,190 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-9
19 2018-08-22 09:37:41,190 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-10
20 2018-08-22 09:37:41,693 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-11
21 2018-08-22 09:37:42,190 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-12
22 2018-08-22 09:37:42,690 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-13
23 2018-08-22 09:37:43,190 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-14
24 2018-08-22 09:37:43,696 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-15
25 2018-08-22 09:37:44,194 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-16
26 2018-08-22 09:37:44,694 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-17
27 2018-08-22 09:37:45,194 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-18
28 2018-08-22 09:37:45,695 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-19
29 2018-08-22 09:37:46,192 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-20

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Raw Parsed

5 2018-08-22 09:37:36,687 INFO o.a.j.e.StandardMeterEngine: Starting 20 threads for group Thread Group.
6 2018-08-22 09:37:36,687 INFO o.a.j.e.StandardMeterEngine: The test will continue on error
7 2018-08-22 09:37:36,687 INFO o.a.j.t.ThreadGroup: Starting thread group... number=1 threads=20 ramp-up=10 perThread=500.0 delayedStart=false
8 2018-08-22 09:37:36,688 INFO o.a.j.t.ThreadGroup: Started thread group Thread Group 1-1
9 2018-08-22 09:37:36,688 INFO o.a.j.t.ThreadGroup: Started thread 1
10 2018-08-22 09:37:36,692 INFO o.a.j.e.StandardMeterEngine: All thread groups have been started
11 2018-08-22 09:37:37,190 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-2
12 2018-08-22 09:37:37,689 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-3
13 2018-08-22 09:37:37,809 INFO o.a.j.t.ThreadGroup: Thread started: Thread Group 1-4
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SkillSearch.jmx (/usr/local/Cellar/jmeter/4.0/bin/SkillSearch.jmx) - Apache JMeter (4.0 r1823414)

File Edit Search Run Options Help

SkillSearchTest
Thread Group
SkillSearch
Debug
View Results Tree

Name: View Results Tree
Comments:
Write results to file / Read from file
Filename: /usr/local/Cellar/jmeter/4.0/bin/SkillSearch.jmx

Search: Sampler result Request Response data
 Case sensitive Regular exp.

Text

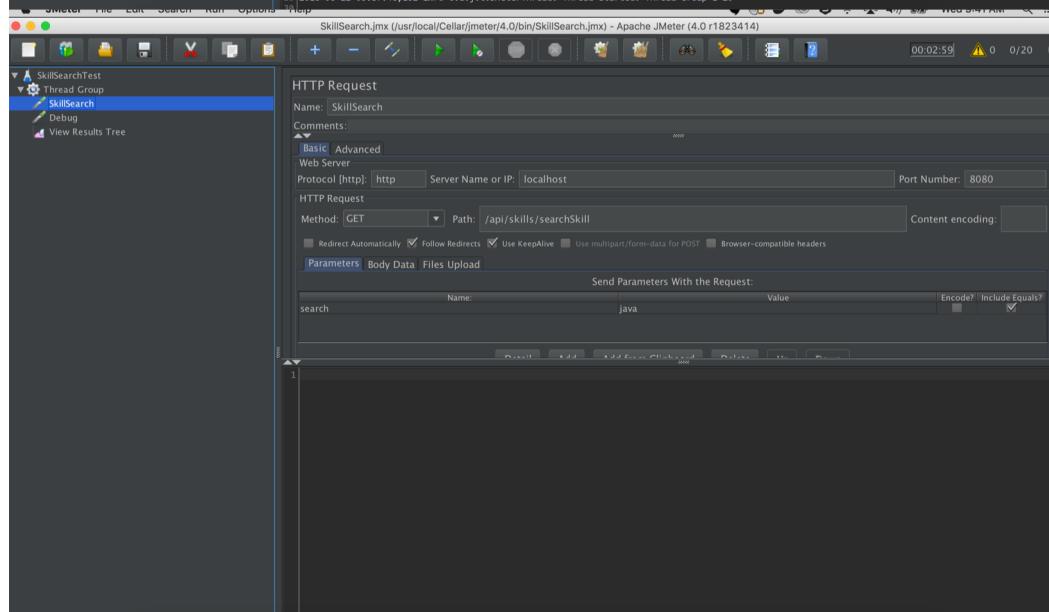
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HTTP Request

Name: SkillSearch
Comments:
Basic Advanced
Web Server
Protocol: http Server Name or IP: localhost Port Number: 8080
HTTP Request
Method: GET Path: /api/skills/searchSkill
Content encoding:
Redirect Automatically Follow Redirects Use KeepAlive Use multipart/form-data for POST Browser-compatible headers
Parameters Body Data Files Upload
Send Parameters With the Request:
search Name: java Value: Encode? Include Equals?

1



Deployment

- Jenkins Script included

Conclusion

- Thanks for providing the opportunity
- Due to time factor, optimal architectural / technical decisions were taken to run a simple app.