Palindrome Service

1. Service url - <http://localhost:8080/services/palindromes?search=electricity&limit=5>
2. Platform and tools
3. Java 7
4. Tomcat 7
5. JAX RS – Jersey reference Implementation for REST service and client
6. Gson
7. Eclipse
8. RESTClient
9. Maven
10. Git
11. Validation response – Limit range

GET - <http://localhost:8080/services/palindromes?search=electricity&limit=6>

{

"serviceName": "PALINDROME\_SERVICE",

"responseCode": 400,

"responseMessages": [

"limit should be in a range between 1 to 5"

]

}

1. Validation response – Missing required field

GET - <http://localhost:8080/services/palindromes?limit=1>

{

"serviceName": "PALINDROME\_SERVICE",

"responseCode": 400,

"responseMessages": [

"search query is required!"

]

}

1. Search query with no results

GET - <http://localhost:8080/services/palindromes?search=pluto&limit=1>

{

"serviceName": "PALINDROME\_SERVICE",

"responseCode": 200,

"responseMessages": [

"The service didn’t find any results for your search query - pluto"

]

}

1. Search query – electricity with limit 3

GET - <http://localhost:8080/services/palindromes?search=electricity&limit=3>

{

"serviceName": "PALINDROME\_SERVICE",

"responseCode": 200,

"responseMessages": [

"Service response time in seconds 1.0"

],

"payload": [

{

"name": "Pedro Medelius",

"count": 10000000

},

{

"name": "Geoffrey Bruder",

"count": 4782969

},

{

"name": "Tracy Gibson",

"count": 1771561

},

{

"name": "Rodger Dyson",

"count": 1000000

},

{

"name": "David Howard",

"count": 531441

},

{

"name": "Dennis Smith",

"count": 531441

},

{

"name": "Mark Lewis",

"count": 59049

},

{

"name": "Dean Alhorn",

"count": 59049

}

]

}

1. Search query – electricity with limit 5

GET - <http://localhost:8080/services/palindromes?search=electricity&limit=5>

{

"serviceName": "PALINDROME\_SERVICE",

"responseCode": 200,

"responseMessages": [

"Service response time in seconds 0.0"

],

"payload": [

{

"name": "Michael Patterson",

"count": 815730721

},

{

"name": "Pedro Medelius",

"count": 10000000

},

{

"name": "Geoffrey Bruder",

"count": 4782969

},

{

"name": "Tracy Gibson",

"count": 1771561

},

{

"name": "Rodger Dyson",

"count": 1000000

},

{

"name": "David Howard",

"count": 531441

},

{

"name": "Dennis Smith",

"count": 531441

},

{

"name": "Meyya Meyyappan",

"count": 279936

},

{

"name": "Mark Lewis",

"count": 59049

},

{

"name": "Dean Alhorn",

"count": 59049

},

{

"name": "Bin Chen",

"count": 1296

}

]

}

1. Search query – mars

GET - <http://localhost:8080/services/palindromes?search=mars&limit=5>

{

"serviceName": "PALINDROME\_SERVICE",

"responseCode": 200,

"responseMessages": [

"Service response time in seconds 0.0"

],

"payload": [

{

"name": "Asher Lieberman",

"count": 19487171

},

{

"name": "Kathryn Turner",

"count": 10000000

},

{

"name": "Samuel Holland",

"count": 10000000

},

{

"name": "Jeffrey Bowles",

"count": 10000000

},

{

"name": "Derek Bankieris",

"count": 4782969

},

{

"name": "Joseph Garcia",

"count": 1771561

},

{

"name": "Nagi Mansour",

"count": 1000000

},

{

"name": "David Kinney",

"count": 531441

},

{

"name": "Larry Dungan",

"count": 262144

},

{

"name": "Paul Delaune",

"count": 117649

},

{

"name": "JAMES BROWN",

"count": 100000

},

{

"name": "Paul Valle",

"count": 7776

},

{

"name": "Lee Redden",

"count": 3125

}

]

}