Github_Scanner Backend API

1. **POST: Add**
   Add solutions' Github repos for every launched hackathon:

   URL: http://<host ip>/github_scanner/api/add

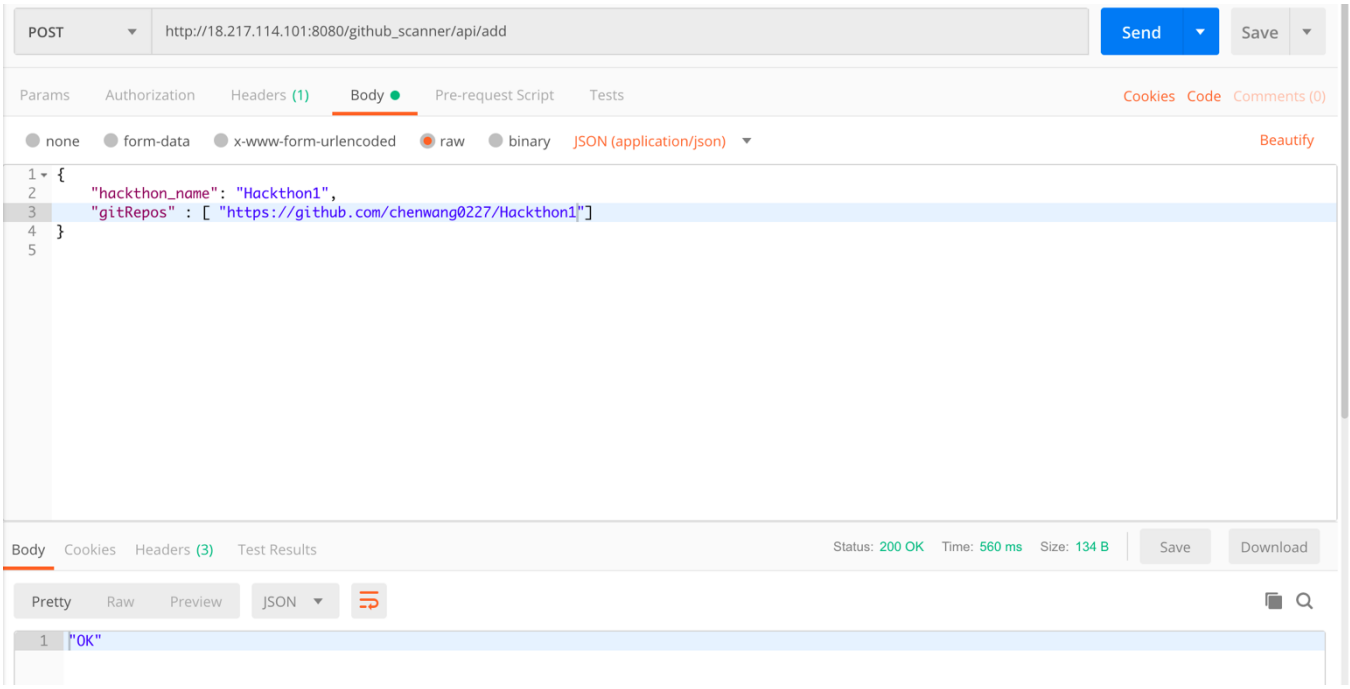
   Input format:
   - Headers: Content-Type: application/json
   - Body:
     A hackathon_name, with an array of String which contains all solutions' Github repo links. In JSON format.

     Example:

```
{
    "hackthon_name": "Hackthon1",
    "gitRepos": ["https://github.com/chenwang0227/Hackthon1"]
}
```

Key	Data type	Value	Data type
"hackthon_name"	String	Hackathon's name	String
"gitRepos"	String	All solutions' Github repo links	An array of String

Response：200"OK"



2. POST: Search

Search specific hackathon projects based on certain criteria:

URL: http://<host ip>/github_scanner/api/search

Input format:

- Headers: Content-Type: application/json
- Body:

Example: these parameters can be null

```
{
      "hackthon_name": List<String>,
      "project_name": String,
      "problem": String,
      "industry": String,
      "technology": String,
      "email": String,
      "header": String,
      "data": String
}
```

Key	Data type	Value	Data type
"hackthon_name"	String	Specify the search range	List<String>
"project_name"	String	A specific project name you want to search	String
"problem"	String	A specific problem name you want to search	String
"industry"	String	A specific industry name you want to search	String
"technology"	String	A specific technology name you want to search	String
"email"	String	A specific user you want to search	String
"header"	String	Any other header you want to search	String
"data"	String	Any other keyword under that header you want to search	String

Example:

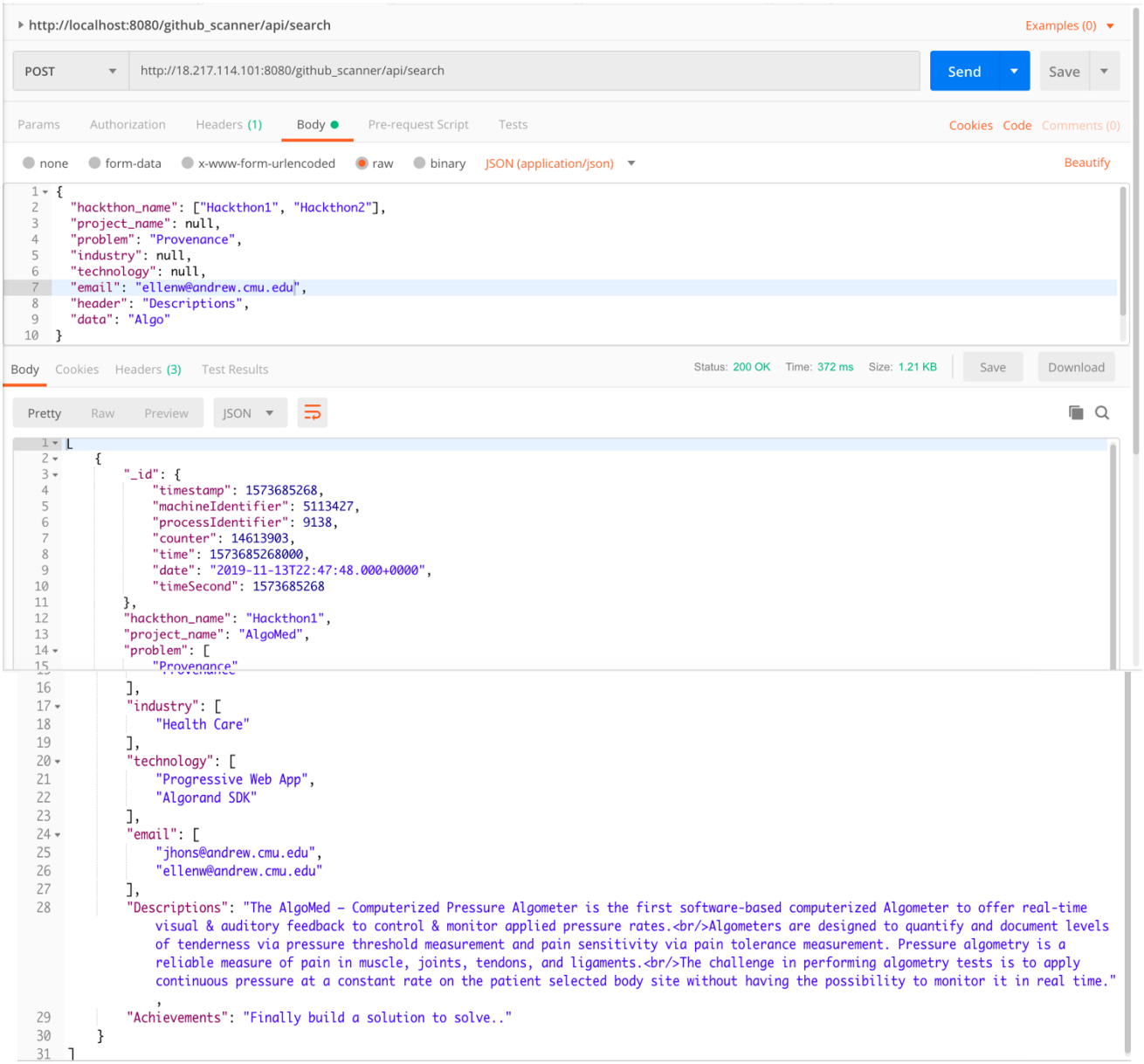
Input:

```
{
  "hackthon_name": ["Hackthon1", "Hackthon2"],
  "project_name": null,
  "problem": "Provenance",
  "industry": null,
  "technology": null,
  "email": null,
  "header": "Descriptions",
  "data": "Algo"
}
```

Output:

```
[
```

```
    {
        "_id": {
            "timestamp": 1573434205,
            "machineIdentifier": 5113427,
            "processIdentifier": 5502,
            "counter": 3491831,
            "time": 1573434205000,
            "date": "2019-11-11T01:03:25.000+0000",
            "timeSecond": 1573434205
        },
        "hackthon_name": "Hackthon1",
        "project_name": "AlgoMed",
        "problem": [
            "Provenance"
        ],
        "industry": [
            "Health Care"
        ],
        "technology": [
            "Progressive Web App",
            "Algorand SDK"
        ],
        "email": [
            "jhons@andrew.cmu.edu",
            "ellenw@andrew.cmu.edu"
        ],
        "Descriptions": "The AlgoMed – Computerized Pressure Algometer is the first
software-based computerized Algometer to offer real-time visual & auditory feedback to
control & monitor applied pressure rates.<br/>Algometers are designed to quantify and
document levels of tenderness via pressure threshold measurement and pain sensitivity via
pain tolerance measurement. Pressure algometry is a reliable measure of pain in muscle,
joints, tendons, and ligaments.<br/>The challenge in performing algometry tests is to apply
continuous pressure at a constant rate on the patient selected body site without having the
possibility to monitor it in real time.",
        "Achievements": "Finally build a solution to solve.."
    }
]
```

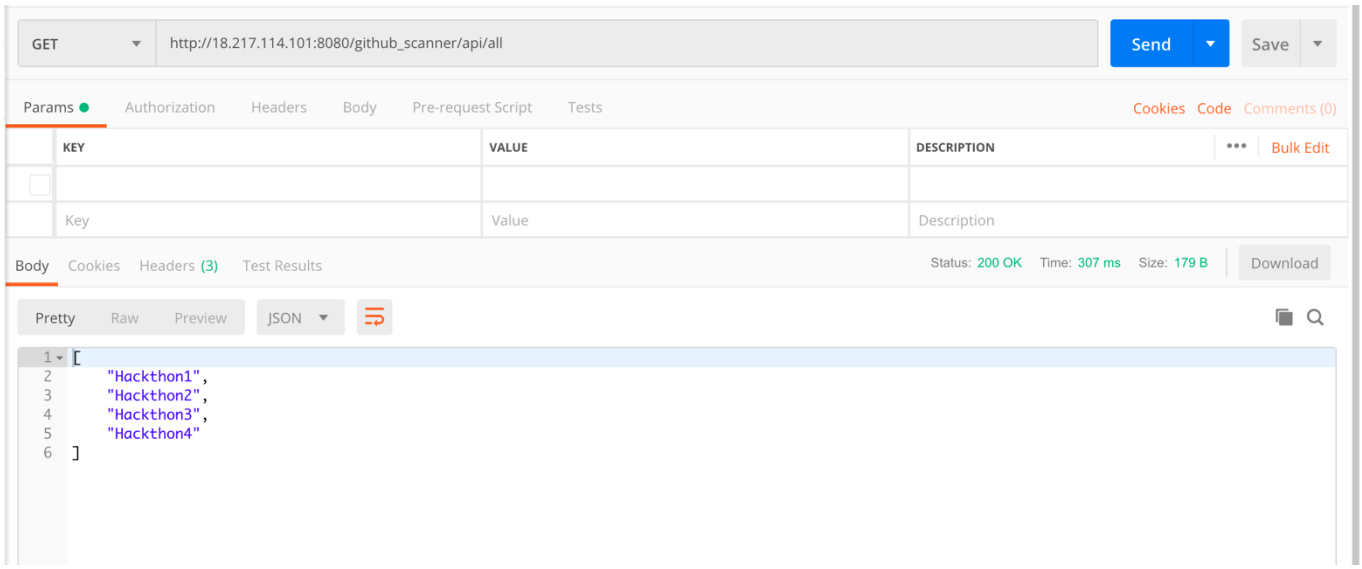

http://localhost:8080/github_scanner/api/search
Examples (0)
POST
http://18.217.114.101:8080/github_scanner/api/search
Send
Save
Params
Authorization
Headers (1)
Body
Pre-request Script
Tests
Cookies
Code
Comments (0)
none
form-data
x-www-form-urlencoded
raw
binary
JSON (application/json)
Beautify
{
"hackthon_name": ["Hackthon1", "Hackthon2"],
"project_name": null,
"problem": "Provenance",
"industry": null,
"technology": null,
"email": "ellenw@andrew.cmu.edu",
"header": "Descriptions",
"data": "Algo"
}
Body
Cookies
Headers (3)
Test Results
Status: 200 OK
Time: 372 ms
Size: 1.21 KB
Save
Download
Pretty
Raw
Preview
JSON
[
{
"_id": {
"timestamp": 1573685268,
"machineIdentifier": 5113427,
"processIdentifier": 9138,
"counter": 14613903,
"time": 1573685268000,
"date": "2019-11-13T22:47:48.000+0000",
"timeSecond": 1573685268
},
"hackthon_name": "Hackthon1",
"project_name": "AlgoMed",
"problem": [
"Provenance"
],
"industry": [
"Health Care"
],
"technology": [
"Progressive Web App",
"Algorand SDK"
],
"email": [
"jhons@andrew.cmu.edu",
"ellenw@andrew.cmu.edu"
],
"Descriptions": "The AlgoMed – Computerized Pressure Algometer is the first software-based computerized Algometer to offer real-time visual & auditory feedback to control & monitor applied pressure rates.
Algometers are designed to quantify and document levels of tenderness via pressure threshold measurement and pain sensitivity via pain tolerance measurement. Pressure algometry is a reliable measure of pain in muscle, joints, tendons, and ligaments.
The challenge in performing algometry tests is to apply continuous pressure at a constant rate on the patient selected body site without having the possibility to monitor it in real time.",
"Achievements": "Finally build a solution to solve.."
}
]

3. GET: All
   Get all launched hackathons' names that are already stored in database:

   URL: http://<host ip>/github_scanner/api/all

   Response:
   An array of all hackathons' names in JSON format.

```
[
    "Hackthon1",
    "Hackthon2",
    "Hackthon3",
    "Hackthon4"
]
```



4. POST: reset
   Delete the data for a specific hackathon that are already stored in the database.

   URL: http://<host ip>/github_scanner/api/reset

   Input format:

   - Headers: Content-Type: application/json
   - Body:

     Example:

```
{
        "hackthon_name" : "Hackthon1"
}
```

   Response：200"OK"