

API Documentation- Retrieve new contributors per repository for a GitHub organization

This API allows you to retrieve the number of new contributors for each repository in a GitHub organization. The results can be stored in a MongoDB database using Mongoose schema.

Endpoint:

GET /api/github/:org

Parameters

org: Required. The name of the GitHub organization to retrieve the data for.

Response

If successful, the API will return a JSON object with a results property, which contains an object for each repository with the following properties:

- **org:** The name of the GitHub organization.
- **repository:** The name of the repository.
- **year:** The year the repository was created.
- **newContributors:** The number of new contributors in the repository.

Example

GET /api/github/:facebook

Response:

```
{  
  "results": {
```

```
"react": {
  "org": "facebook",
  "repository": "react",
  "year": 2013,
  "newContributors": 25
},
"react-native": {
  "org": "facebook",
  "repository": "react-native",
  "year": 2015,
  "newContributors": 18
},
"jest": {
  "org": "facebook",
  "repository": "jest",
  "year": 2013,
  "newContributors": 10
}
}
```

Storage

The results of the API can be stored in a MongoDB database using the following Mongoose schema:

```
import mongoose from "mongoose";

const Schema = mongoose.Schema;

const repositorySchema = new Schema({
  org: {
    type: String,
    required: true,
  },
  repository: {
    type: String,
    required: true,
  },
  year: {
    type: Number,
    required: true,
  },
  newContributors: {
    type: Number,
    required: true,
  },
});

export default mongoose.model("RepoDetail", repositorySchema);
```

Each repository in the **results** object can be saved as a document in the **repoData** collection using the **RepositoryModel** schema