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CS496

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Assign 1

Yes the Github Gist API is RESTful. The Github API is RESTFUL because the URLs of the API has resources to identify the services you want to use. Additionally, the API does not store any data about the current state of the client.

The URLs has resources such as gists, usernames, and stars. Such as in this URL it shows the gists and the username, <https://api.github.com/users/wolfordj/gists>. The formatting has /users/username/gists/. After the URL, the objects referenced are the resources, with users as the initial object, then the secondary object being the gists.

Additionally, the Github API is stateless. The Github API requires authentication, which means every request must contain all necessary data to be authenticated. Therefore based off the HTTP protocol [1], authentication is presumed to be stateless, and thus the Github API is shown to be stateless based off the need to have authentication.

References

1. <https://tools.ietf.org/html/rfc7235>