REST API

Is this REST Service or not ?

https://github.com/worldofprasanna/rest-api-session/

It is ... But it is at level 0

Richardson Maturity Model

Level 1 - Resource

- Divide & Conquer
- Break complex large function into smaller functions
- Simple & Maintainable

Level 2 - Verb & Status code

- **2xx / 3xx / 4xx / 5xx series**
- **Standard way of accessing the resource**
- **Uniformity**
- **GET / PUT / POST / DELETE / PATCH**
- **GET requests can be Cached - cache-control**
- **Layered System.** Eg: /class/1/students/prasanna

Level 3 - HATEOS

- **HyperText links to resources.**
- Eg: After new resouce is created, status code is 201 with header,
  Location ="/class/1/students/20"

- **Discoverability**
- **Self documenting**

Terminology

- Resources
- Verbs
- URI / Path
- Representation of the state of resource

Restful API Documentation

- Swagger
- RAML