BAD\_REQUEST : 400 Bad Request.

CONFLICT : 409 Conflict.

CREATED : 201 Created.

INTERNAL\_SERVER\_ERROR : 500 Internal Server Error.

OK : 200 OK.

NOT\_FOUND : 404 Not Found.

NO\_CONTENT : 204 No Content.

UNAUTHORIZED : 401 Unauthorized.

**Idempotent methods:**

An idempotent HTTP method is a HTTP method that can be called many times without different outcomes. It would not matter if the method is called only once, or ten times over. The result should be the same.

**HTTP Method Idempotent**

GET yes

POST no

PUT yes

DELETE yes

HEAD yes

PATCH no

**SOAP VS REST:**

SOAP is protocol based we need to follow set of rules to communicate with service, like WSDL. With SOAP application is tightly coupled with service.

REST is architectural style with HTTP methods we can communicate with service. A client can access the resource using the unique URI. REST allows of data formats JSON, XML. Thanks to JSON, REST offers better support for browser clients.

<https://blog.mwaysolutions.com/2014/06/05/10-best-practices-for-better-restful-api/>

* JSON internally JSONObject is mapped to java.util.Map and JSONArray is mapped to java.util.List.
* The @Controller is a common annotation which is used to mark a class as Spring MVC Controller while @RestController is a special controller used in [RESTFul web services](http://javarevisited.blogspot.sg/2015/08/difference-between-soap-and-restfull-webservice-java.html) and the equivalent of @Controller + @ResponseBody.
* One of the main difference between REST web services and a normal web application is that REST pass resource identifier data in URI itself e.g. /messages/101 while web application normally uses a query parameter e.g. /messages?Id=101.
* If you remember, we use @RequestParam to get the value of those query parameter but not to worry, Spring MVC also provides a @PathVariable annotation which can extract data from URL. It allows the controller to handle requests for parameterized URLs.

<https://javarevisited.blogspot.com/2018/01/7-reasons-for-using-spring-to-develop-RESTful-web-service.html#axzz55a8rTeu7>

<https://javarevisited.blogspot.com/2018/02/top-20-spring-rest-interview-questions-answers-java.html?m=1>