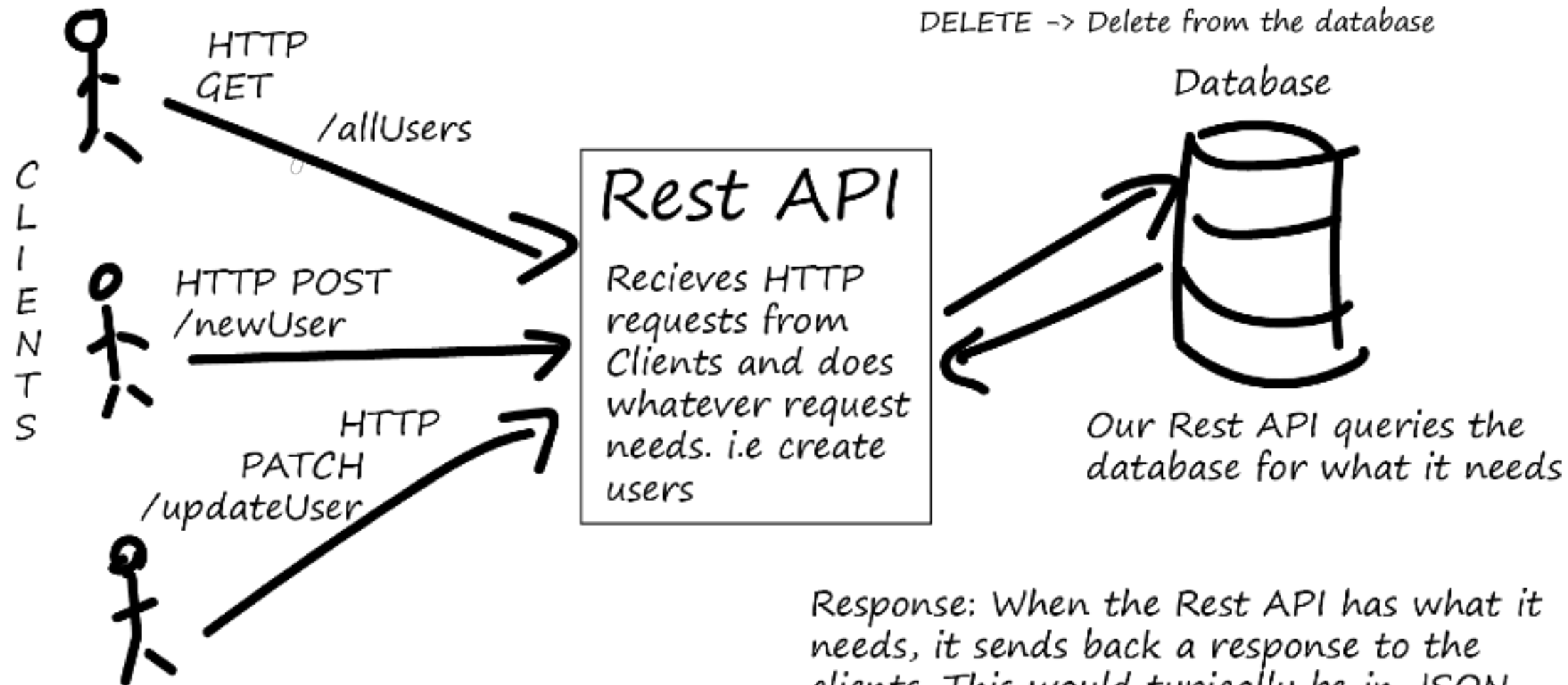# Rest API Basics

Typical HTTP Verbs:
GET -> Read from Database
PUT -> Update/Replace row in Database
PATCH -> Update/Modify row in Database
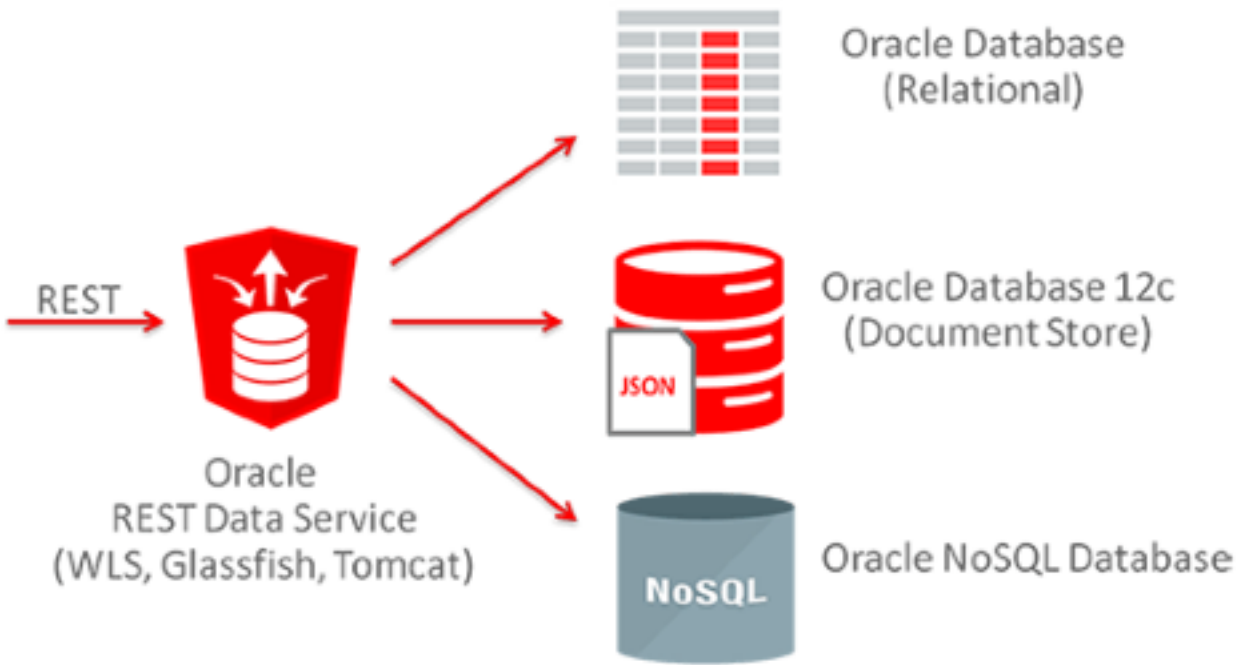POST -> Create a new record in the database
DELETE -> Delete from the database

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HTTP
GET

/allUsers

HTTP POST
/newUser

HTTP
PATCH
/updateUser

Rest API

Recieves HTTP requests from Clients and does whatever request needs. i.e create users

Database

Our Rest API queries the database for what it needs

Response: When the Rest API has what it needs, it sends back a response to the clients. This would typically be in JSON or XML format.

Our Clients, send HTTP Requests and wait for responses

👀: http://total-qa.com/rest-services/

REST

Oracle
REST Data Service
(WLS, Glassfish, Tomcat)

Oracle Database
(Relational)

Oracle Database 12c
(Document Store)

JSON

Oracle NoSQL Database

NoSQL

Client Libraries and Consoles

- Oracle NoSQL Database just like its SQL counterpart provides a wide variety of connectivity options.

- The leading applications built on top of it use the client libraries for Node.js, C++, Java, Python, etc.

- Since, the database is based on Java it provides enterprise level of quality and security all its client library functionalities.

- Oracle NoSQL Database provides proprietary, SNMP and JMX based protocols for monitorability of the cluster.

👀: https://docs.oracle.com/database/nosql-12.1.4.3/javadoc/index.html