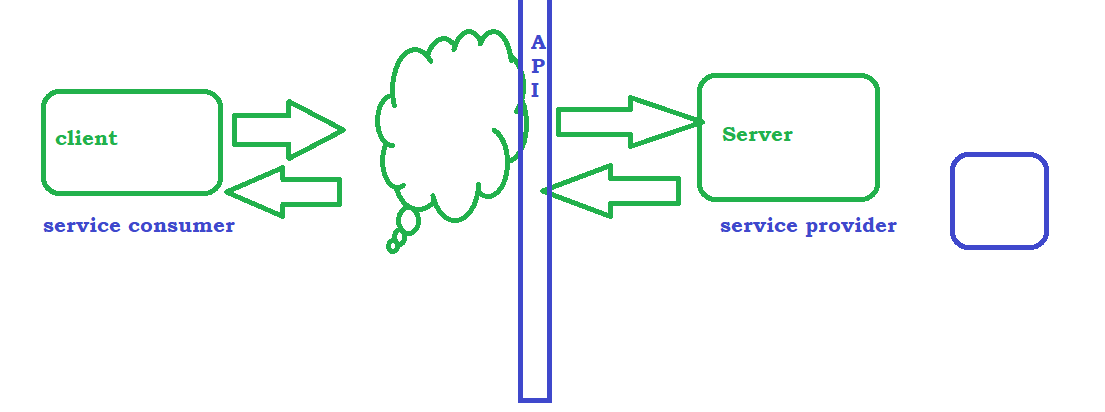
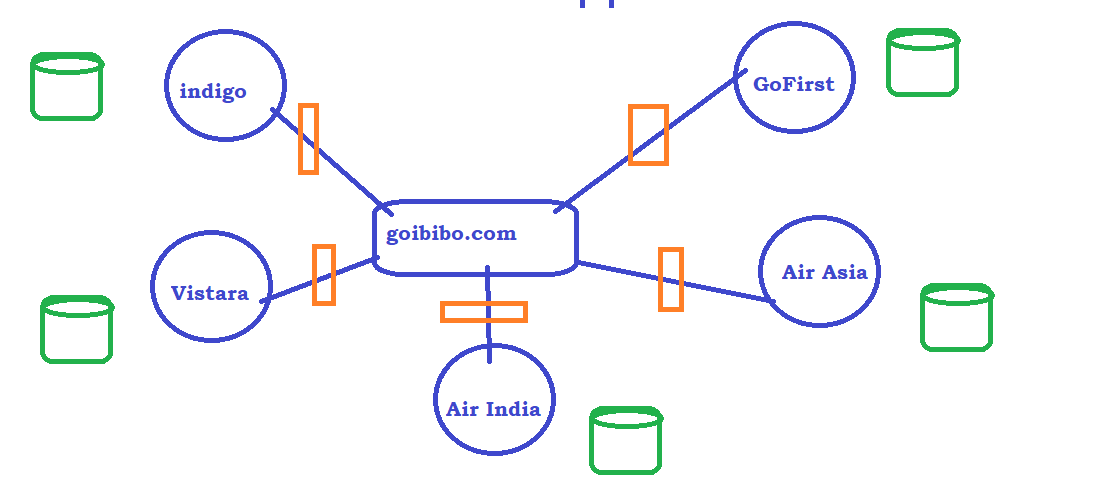
Web Services :

Services available over the Web, these web services are provided by Service Providers.



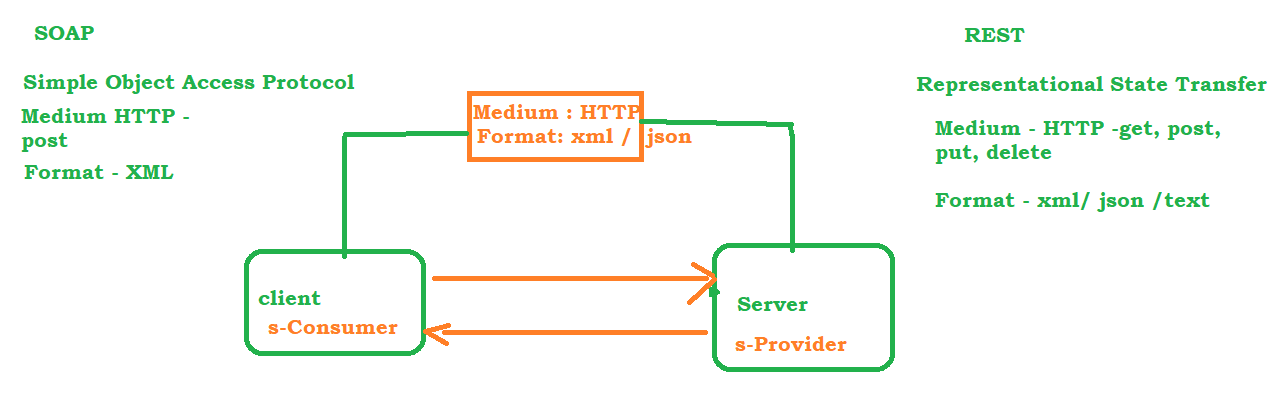
Communication :

We Use Language to communicate with other person, We use GUI to communicate with PC / Laptop, similarly from one machine to another machine if we want to communicate then we use API

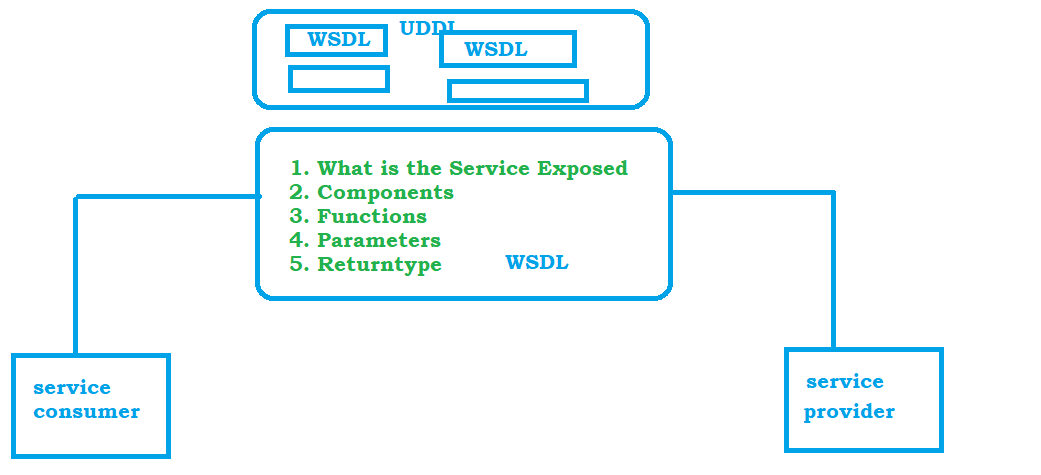


# Types :

* SOAP
* REST



SOAP : WSDL and UDDI

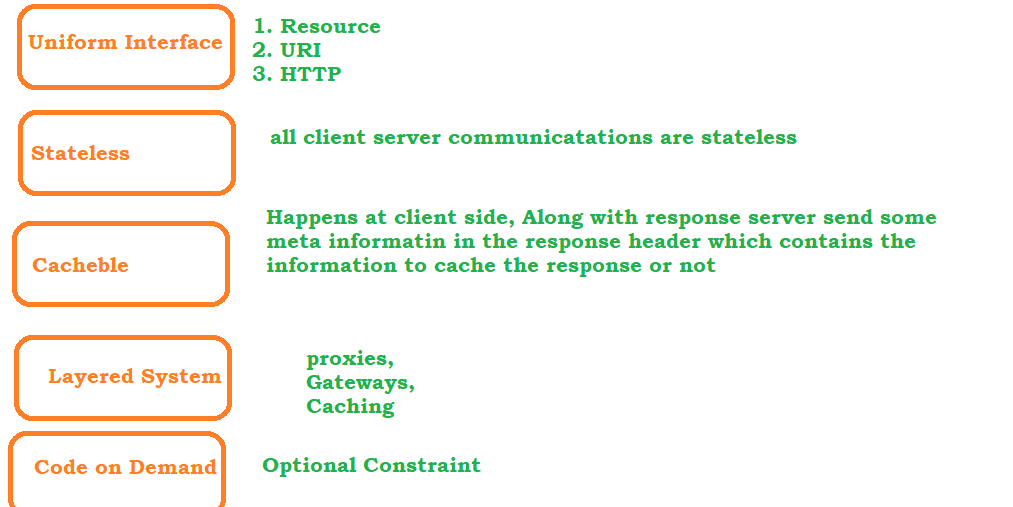


SOAP –



REST

Any WebService that communicates / exchanges information between 2 application using REST principles area called RESTful WebServides



# HTTP Request –

its a packet of information that one computer send to another

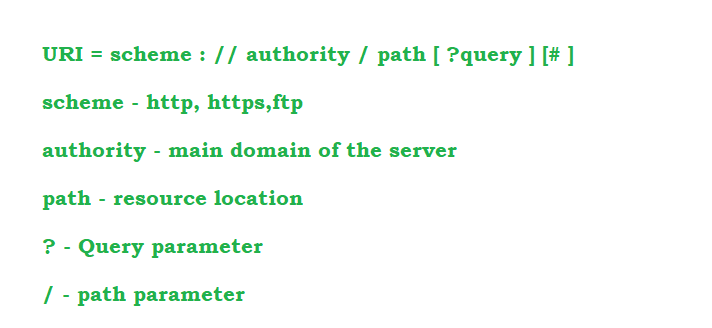
* Request Line Http method (GET, POST) , Request URI, HTTP Protocol
  + <https://jsonplaceholder.typicode.com/todos/2>
* Header / Headers - 0 or more header information which contains additional information (user credentials )
* Optional Body – Its a part of HTTP Request where additional content can be sent

# HTTP Response –

its a packet of information sent by the server in response to the request made by client.

* Request Line Http method (GET, POST) , Request URI, HTTP Protocol
  + <https://jsonplaceholder.typicode.com/todos/2>
* Header / Headers - 0 or more header information which contains additional information (user credentials )
* Optional Body – Its a part of HTTP Request where additional content can be sent

# URI



HTTP Methods

* C – Create U – Update R- Read D - Delete operations
* GET – to read , 200 status code with response
* POST – is used to create new record in the collection of resources –201SC
* PUT – is used to update the existing record.
* DELETE – delete the record

Manual Testing of APIs

## PostMan :

* go to <https://www.postman.com/downloads/> and download the software
* install the software on your machine

Trello

1. Register to Trello and login to application
2. Create a board of your own - Create list – Card etc
3. Refer the official API Documentation <https://developer.atlassian.com/>
4. Navigate to <https://developer.atlassian.com/cloud/trello/guides/rest-api/api-introduction/>

key - c5f676759b86029624f7dcb31ccf655e

token - 9b60bd7325defc221aa0203822765f426ecb134adcf46f7ca823c569ced3a2f3

PostMan – Variables

# Global Variables – Accessible throughout the Collections

# Environment Variables - Specific to Project

# Tests

# Pre Request Script

GIT HUB APIs

* go to github.com
* click on signup and create a account
* go go developer website <https://docs.github.com/en/rest>
* We should have authentication token to execute the api’s
* Go to your Account -> Settings -> Developer Settings -> Personal Access tokens -> Generate the token