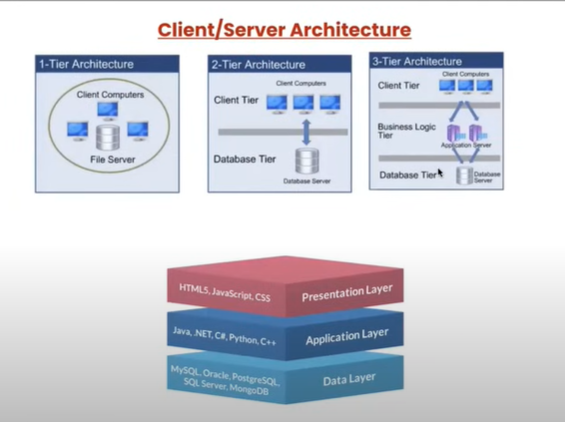
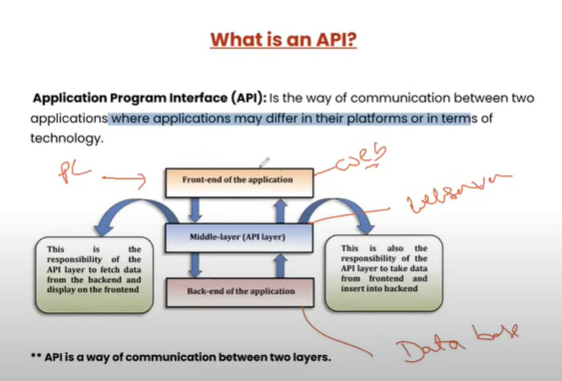
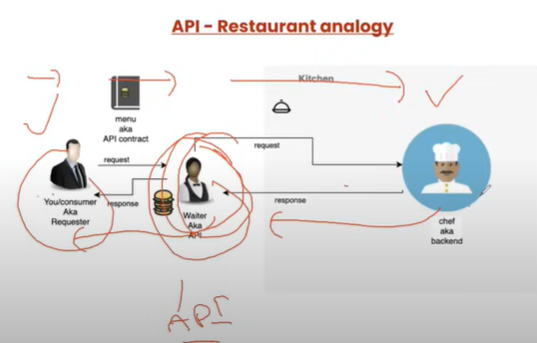
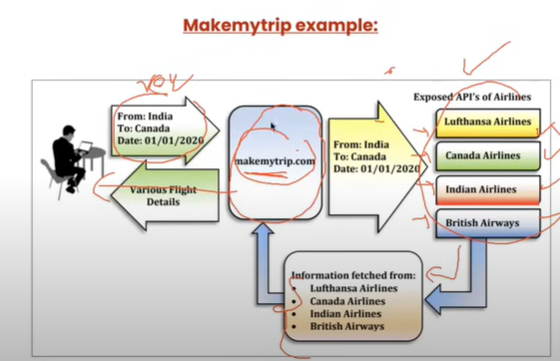
**API Testing: Application Program Interface**

It is way of communication between 2 application where application may differ in their platforms or in terms of technology.









**Types of API:**

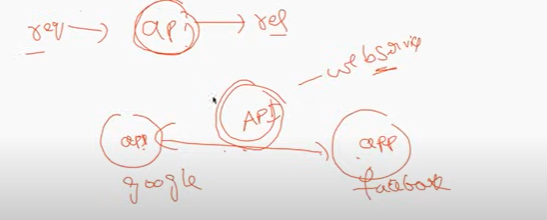
There re 2 types of API’s.

1. Simple Object Access Protocol (SOAP).
2. REST (Representation State Transfer).

Both are the web services.

SOAP => used by old applications.

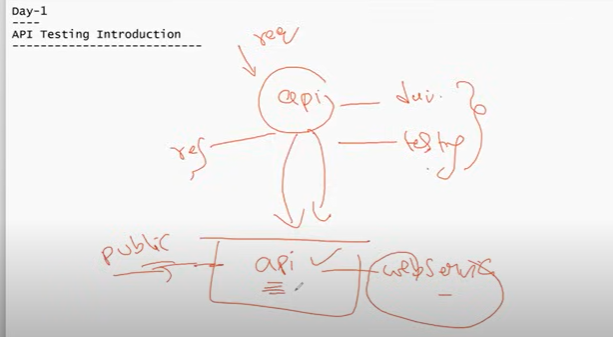
REST => used by new/current applications.



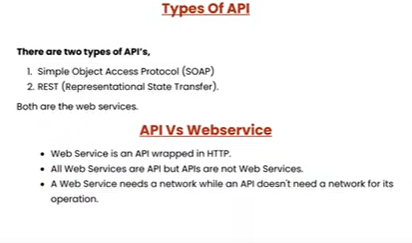
All Web Services are API. But all API are not Web Service.

When API is put in internet then it is called as Web Service.

For development & testing we use Api. And once its available to public over internet its called Webservice.



**Important: API Vs Webservice**



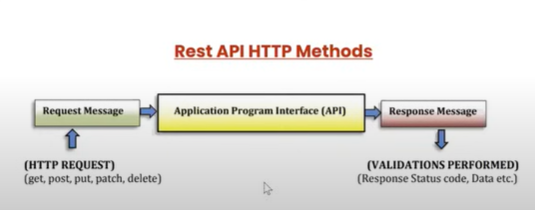
**Rest API methods:** http request

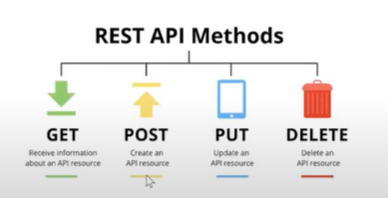
Get: we get data from the server.

Post: we are sending data to server to store.

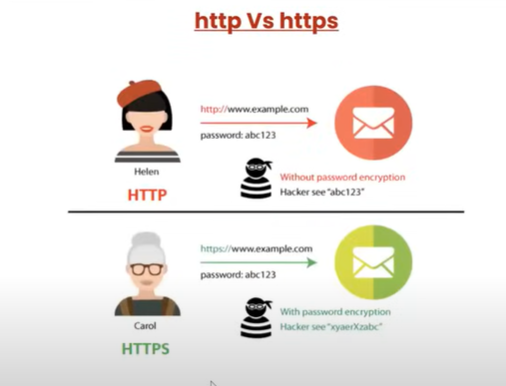
Put: we can create/edit/update data in the server.

Delete: we delete the data from server.

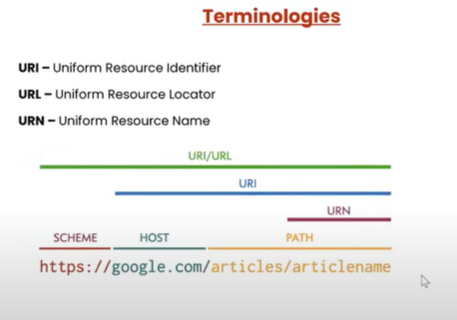




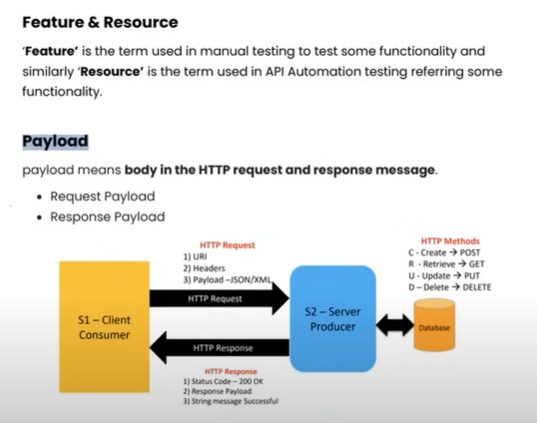
HTTP Vs HTTPS



Terminology:



Payload:



Ex: <https://reqres.in/>

Ex Get: <https://reqres.in/api/users?page=2> => <https://reqres.in/api/users?page=2>

