**05/06/2023**

**Agenda:**

* What is Web Service?
* Basic Concept behind web service
* Why we use it?
* Why to test it?

**Project Application:**

* Front End(UI)
* Backend(Database)
* **Service(API’s)**

**Web Service:**

* Service available over the web(Internet)
* Waiter: Who is doing communication between you and kitchen
* Waiter: Waiter is performing the role of web service through an API
* We can say he(Waiter) is communicating between two applications and making sure that the communication between two applications is proper.

Kitchen (Chef)(Service Provider)

You (Service Consumer)

Waiter (API)

**Web Service:**

* Service available over the web
* Enables communication between applications over the web
* Platform independent communication
* Provides a standard protocol/format for communication
* Using web services two different applications can talk to each other and exchange data/information
* An API Stands for Application Programming Interface, which is a software intermediary that allows two applications to talk to each other.
* Each time you use an APP like Facebook, Send instant message to check weather on your phone, each time you are using an API.
* Web Service/API is an Application or business Logic
* Web Service allows you to expose the functionality of your existing code over the network. Once it is exposed on the network, other applications can use the functionality of your program.

06/06/2023:

**What is API?**

User Layer or Presentation Layer

Business Layer (API)

Database Layer

Client (Service Consumer)

Server (Service Provider)

Request

Response

Medium: HTTP

Format/language: XML/JSON