# Institute of Engineering Jiwaji University



**Types of API**
**(Application Programming Interface)**
**Submitted By:-**
**Nayna Sharma**

# What is API

- Application Programming Interface
- A means of Communication
- App to app
- Automated
- A description of communication method allowed
- Requesting information
- Sending Information
- Updating information

# A Simple Classifation Of API

## Web service APIs

- SOAP
- XML-RPC and JSON RPC
- REST

## WebSocket APIs


## Library based APIs

- JavaScript
- TWAIN

## Class based APIs

- Java API
- Android  API

# Os functiond & routines

- Access to file system
- Access to user interface

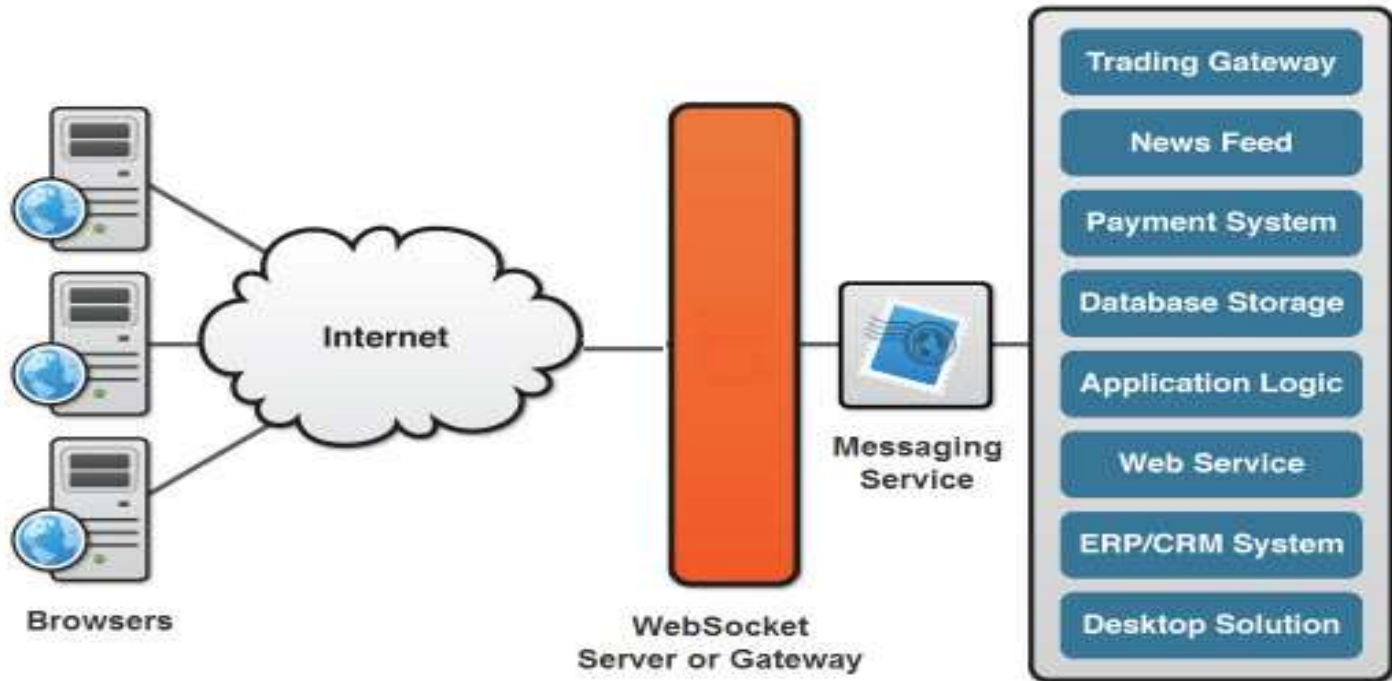# Object remoting APIs

- CORBA
- .NET remoting

# Hardware APIs

- Video acceleration
- Hard disk drives
- PCI buses

# Web service APIs

- Flickr

- Google Statics Maps

- Google Geolacation

- And many many more

# WebSocket API

# Library Based APIs

- Google Maps JavaScript API

- DropBox JavaScript Data Store API

- Tiwilio  APIs-lots of them

- TWAIN-for scanner & cameras

- Oracle Call Interface(OCI)

# Class based APIs

- Java API

- Android API

- Google Maps Android API

- MSDN class Library for .NET Framework

- Twilio API for Java and C#

# Os functiond & routines
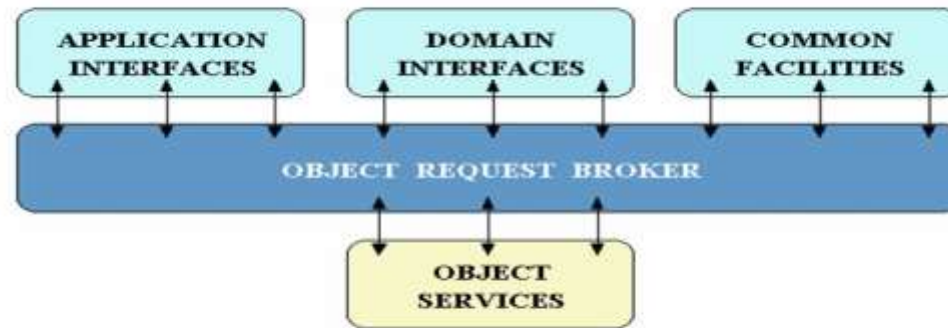
- Access to file system
- Access to user interface

# Object remoting APIs

- CORBA
- .NET remoting

# Hardware APIs

- Video acceleration
- Hard disk drives
- PCI buses

# CORBA

| APPLICATION INTERFACES | DOMAIN INTERFACES | COMMON FACILITIES |
|---|---|---|

## OBJECT REQUEST BROKER

### OBJECT SERVICES

## OMG Reference Model architecture

| CPU | Memory Controller | Bus Target |
|---|---|---|

| PCI Bridge | PCI Bus | |

| Bus Master | DMA Controller |