Restful services :-

Develop API   -) Request , response

Unit test API   Mockito   Jackson API

Document API   -) swagger

Consume API -) Rest template y
                    webclient y

Post man tool

Actuator

Halrow

springboot profile

Enterprise APP | Distributed APP   weather APP   API

                              ↗ API

Telusko ⇄ Paypal

APP ⇄ APP   →o| Webservice y = y
                     Restfulservice

B → B

Technologies =) { CORBA →   difficulty | limitation
                  RMI →
                  EJB →   Python
                  (JAVA ⟷ Pyqal)   APP⟷ APP
                    Java   Java   JS   JS
                                                 Java   Jq
                                                 C#. net
                                                 Python
                                                 i
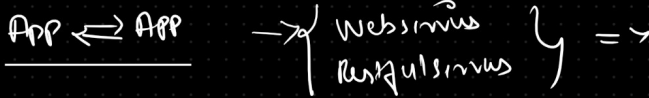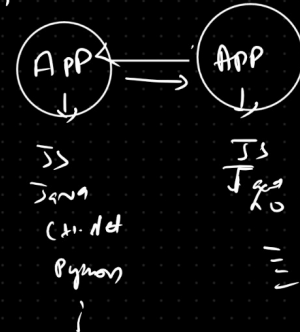
WSI → Webservice interoperability

B.P.I.O. specification

Sum → JAX-RPC =) API -) interoperable
                                        Java Xml
      Java API for Xml   B ⟷ B
                                              Python
                                   Java   Pyra
APP   Java → Xml ⟷
  | Java Xml   xml ⟷ ◯
Java   Java⟶ xml   xml Lang holog
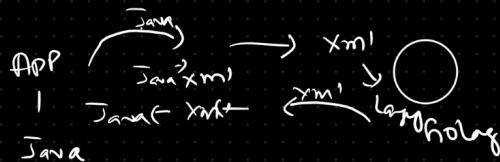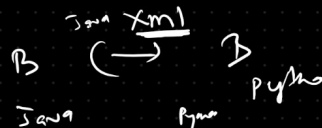
         Java → xml → Java y Marshalling   un marshalling
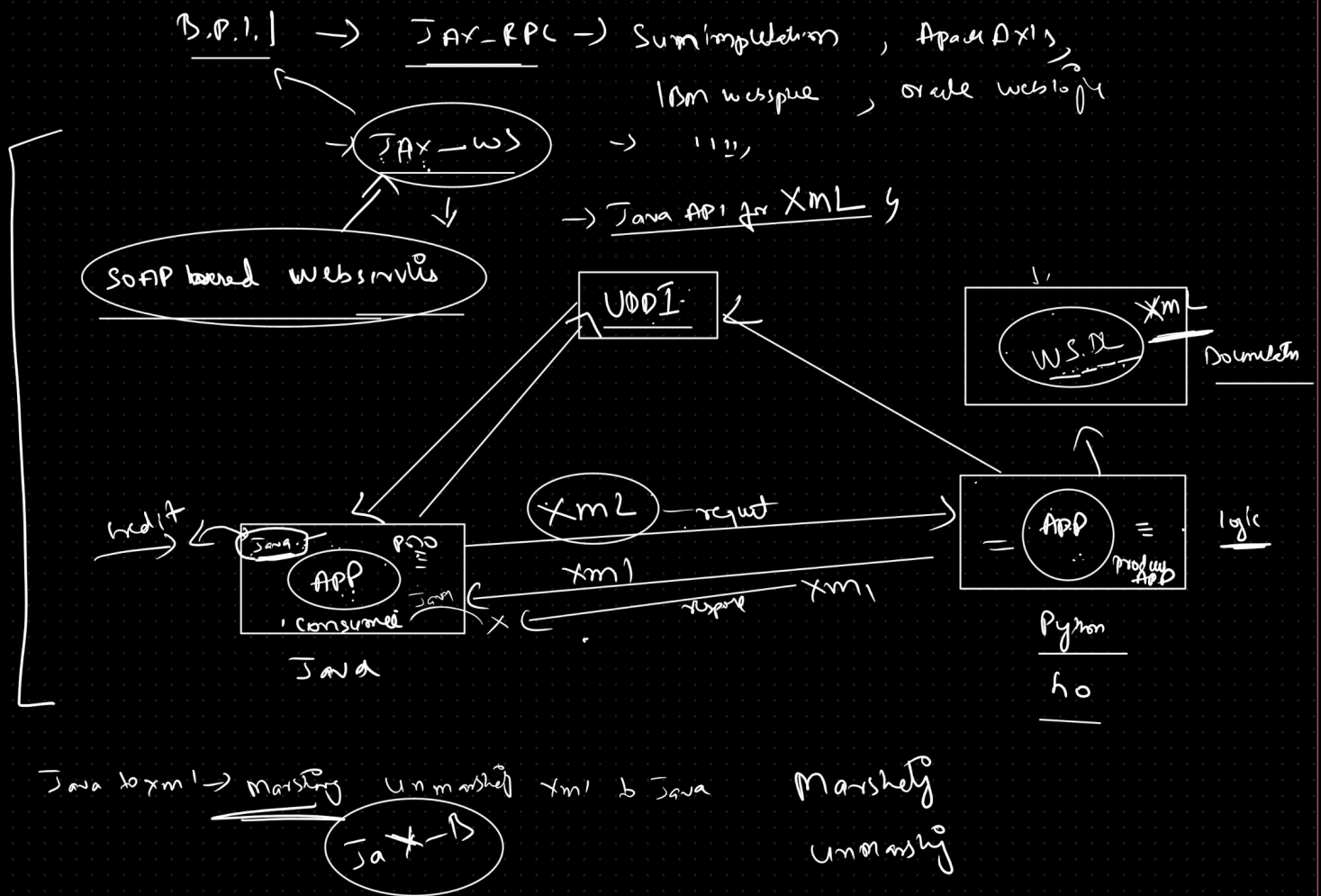
==>If we develop a webservice using JAX RPC or JAX WS then that webservices are called SOAP based Webservices

SOAP--> Simple Object Access Protocol

Provider--> Provides business logic or services to other app
Consumer-->Consuming services from another app

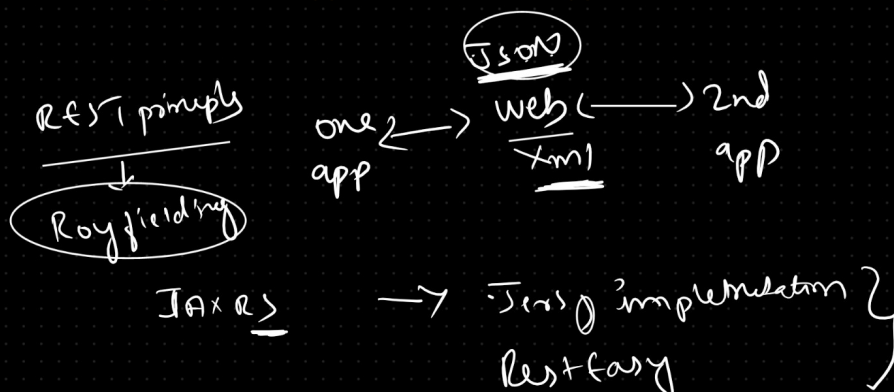--> Contract stands for WSDL
-->WSDL -- Web services Description language
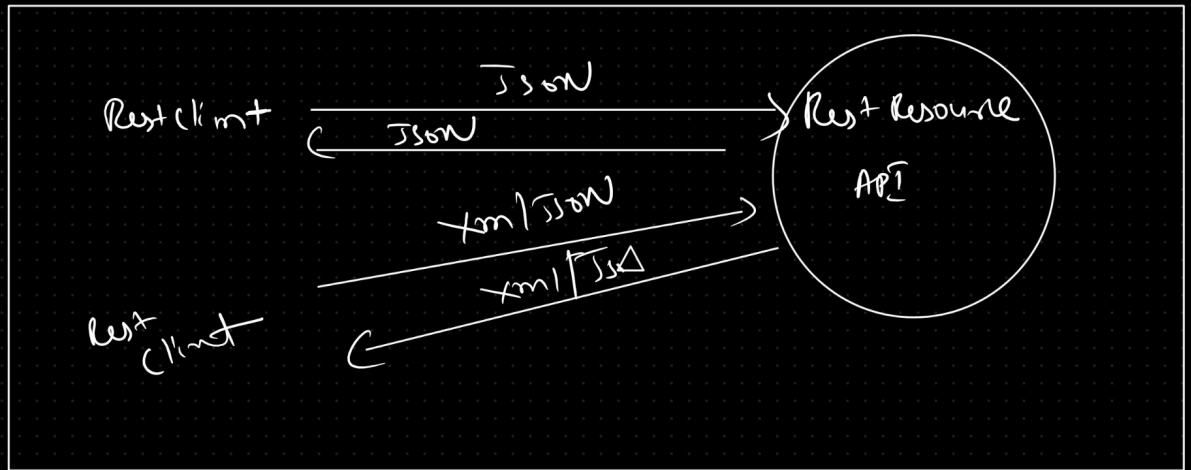-->WSDL is a special XML which describes how provider is providing business services to consumers
-->ContractFirst--> WSDL file will be created first then the development will be done
-->ContractLast--> Services will be prepared first then the WSDL will be created

Once Provider development is completed , provider will share WSDL file to Consumer through mial, sahrepoint, UDDI (Universal Description Discovery Integration)

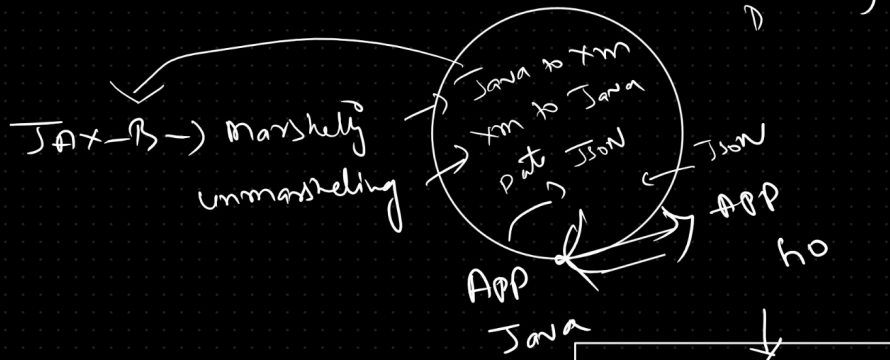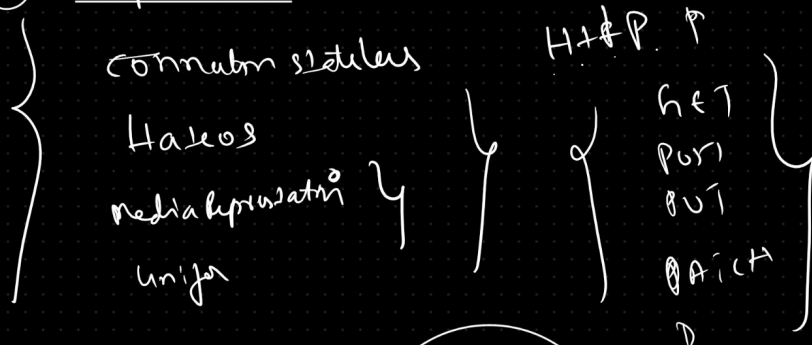SOAP based app will not support JSON and it supports XML

Rest climt ——— JSON ———→ Rest Resource
       ←——— JSON ———   API

Rest
Climt ——— xml/JSON ———→
       ←——— xml/JSON ———

of SpringRest y

Rest principle :-

① unique Addres ——→ end points

{ connectn stateless   H+*P. p
  Hateos   { GET
  media Represation y   { PUT
  unifer   PUT
                             PATCH
                             D

JAX—B—) marshely   (Java to xm
        unmarsheling   xm to Java
                          put JSON) ←— JSON
                                         APP
                         APP   ho
                         Java   ↓
                                    [JacksonAPI]   (JelesonAPI)

JAVA —→ JSON }
JAVA ←— JSON } [JacksonAPI]