Q Web service VS API?

All web services are APIs but all APIs are not web services.

A W.S always needs network to operate buy while APIs don’t need a network for opration.

Web service uses only three style of use- SOAP,REST and XML-RPC for communication whereas API uses multiple ways.

Web service might not contain all the specifications and can’t perform all the tasks while API contain all specifications and it can perform all the tasks.

**Example -**Like When we create a java class , then we will create one method- Login method having two parameters UN and PWD. I will create a jar file and this jar file will behave like an API. Like we selenium jar file are available . We don’t need internet to download and then I can call the method. And the same thing like a) Apache poi API b) Log4j . But I we want to interact with the APIs over the internet then we need web service.