**What is XML** (extensible markup language)

XML holds data.

It holds data that you can send to the API or it holds data that you can receive back from API. The actual **XML is in the body of HTTP.** How is the data contained in XML? Well it`s contained in the tags, just like HTML, the difference is that in HTML the tags themselves are funktions, they are predefined and have some sort of funktionality in XML it means nothing, it just describes the data in it.

The word extensible in the name XML means you can customize these tags to say whatever you want,or add new tags to already existing (и тем самым расширить этот документ) again, in HTML these tags are not extensible (ты не можеш взять и добавить каких то новых тегов которых доселе небыло в HTML) they are predefined.

Example: lets pretend we have an API fo pizza delivery company and they require data from us in the form of XML so that they know what pizza we want, and they tell us xml tags that they want us to full fill for their API.and values for this tags have to be chosen from the predefined.

<pizza>

<size>Medium</size> //here you can put small, medium or large

<topings>

<toping>Cheese</toping> // choose toppings from the menu

<toping>Mashrooms</toping>

</toping>

</pizza>

Rest works with JSON, xml, HTML…. SOAP works only with xml.