1)What is RESTFUL API

REST – Representation State Transfer.

They are used for data transfer.

RESTFUL api’s are normal backend, difference is here we don’t care about html stuff, we just want to send and receive data. So all we do is exchange data.Restful API’s are stateless backends. they dnt care about individual clients connected to them.

Figure 8.11 – we generally send data in JSON format but we not limited to it. We can also send data in XML, data endoded in URL and form data. But one thing for sure is that you are not sending HTML around.theroratically we can sdo that but not with gola of rendering it through browser.

So RESTFULl api is backend which accepts certain URL request and send back data.see video at 7:51. This is what rest api looks like.

But theoratically , there are several constructs for backend to be RESTFUL api-

We have these 6( video at 14:44).out of these 6 first 2 are most important.

Stateless means it does’nt store anything about client context like session on it. it doe’snt care if it is reached by a SPA, Mobile app or anything else.it does’nt store anything which binds it to these application. this becomes important when we add authentication.

Code on demand- it means that we can not only send data but we can also send some cod that can be executed by client.

You are often asked how do you create sessions in angular application?

we can’t do that. In single page application we use REST FUL api. Because we only need data. RESTFUL api should’nt really care about the client connected to it, should’nt really manage the session because you never reload the page anyways.so that’s important to know that you are independent from client, you are stateless.