APIS

http:

One of the foundational technologies for REST APIs. A way in which applications can communicate w each other across the internet e.g. web browser communicating w web server across the internet, or a phone application communicating w service to get data on a server side – it’s a protocol to allow for this communication to take place

json:

Json is a text based data structure. Originates from javascript. Can have 6 different types of data within json data structure.

REST Concepts:

A REST API is an API a way for websites to communicate w each other which is based on the REST architectural style. Not a standard, but a set of rules about how an application should be built. Important because so easy to use from javascript & generally because its widely supported by programming languages so can use for integrating applications in general way. Ways to implement: http, URIs, http methods, json, & possibly swagger or open api.

REST Implementation:

REST APIs often used to implement a kind of crud interface. Key thing: very often they provide crud interface using http as transport and json as way to represent data structures. Correlation between crud operations and corresponding http methods that r used. Can test APIs using curl, browser for simple get request, anything remotely complex – postman. Restfox.dev is simple web base to test utilities.