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Assignment 5.1

Web 420

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There are many different way a request body is parsed. In the realm of Javascript, getting the request body can be done with a library called “body parser.” Body parser acts as a middleware that parses JSON HTTP request bodies into Javascript objects. The middleware adds a body property to the express request “req” which can then be accessed by req.body (Mastering JS). In APIs, a profile is akin to documentation although it is more that that. According to the text, a profile does not alter semantics of the resources representation. However it continues, it’s function is to learn about additional semantics associated with the resource representation in addition to those defined by the meditate type.

From researching the term application semantics, I came across semantic based data integration. Being a (human) description of an API when this is used it allows for more benefits when publishing the semantics of APIs. Much like the real world itself where there are physical objects such as people, cars, houses, machines etc., the key for semantics is to exchange data among each service. If such communication is achieved, the web can become a common platform which may bridge the gap between physical and digital worlds. From semantics cc, there are three current steps to integrating semantics: Providing support for integrating heterogeneous data, enabling the exchange of the heterogeneous data between interfaces and facilitating data analysis via reasoning (Summesberger).

According to an article in Open Data Handbook, machine readable is data in a format that can be automatically read and processed by a computer. This type of data can be in CSV, JSON, XML etc. On the other hand, non-digital material such as hand-written or printed items in general by nature are non-digital thus not machine-readable.

Reference List

Mastering JS. “Getting the Request Body in Express.” masteringjs.io, 22 October 2019.

https://masteringjs.io/tutorials/express/body

Open Data Handbook. “Machine Readable.” opendatahandobo.org, Accessed 15 April 2021.

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Summesberger Stefan. “Semantic APIs: Give Applications a Common Language.” Semantics Karlsrushe 2019. 4 April 2019.

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