* **How does a client application find and parse an entity-body?** Self-describing messages. A sever should always understand what the response means. It should be spelled out and easy to understand. The HTTPs content header is a great example of this. It tells how to parse the body. A few other examples would be Content-type: text/html, Content-Type: application/Json and Content-Type: application/atom+xml and many others. As long as the media-type defines the hypermedia controls then a parsing response document lets you know which HTTP requests can be made. (Bradshaw, S.**)**
* **Explain what profiles are and how they are related to application semantics.** According to RFC 6906, a profile is something that is defined to not alter the semantics of the resource representation of itself. It is to allow clients to learn about any attentional semantics that might be associated with the resource representation other than those that are defined by the media type. (Bradshaw, S.)

An hCard microformat fits the RFC definition. An HTML document uses an hCard is still considered to be an HTML document however, it has gained extra application semantics that most HTML document don’t have. The document describes a person in free-flowing prose however a computer can be programed to understand it. (Bradshaw, S.)

* **What are application semantics?** It’s a data format that defines simple descriptions of application level semantics, which is like HTML microformats. They can be used as a profile explain the application semantics of a document with an application agnostic media type. (Amundsen, M., Richardson, L., & Foster, M.)
* **Using your own words, what does a machine-readable profile mean?** A machine-readable profile is something that can be both read and processed by a computer. It must be structured in a certain way. In other words, it can’t be say a picture which are human readable. (Apimatic.)

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