

# Delivery Context Ontology

## An Overview

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# Introduction (I)

- The [Delivery Context](#) Ontology provides a formal model of the characteristics of the environment in which devices interact with the Web or other services.
- The Delivery Context includes the characteristics of the Device, the software used to access the service and the Network providing the connection among others.
- The Delivery Context is an important source of information that can be exploited to create context-aware applications, thus providing a compelling user experience.

# Introduction (II)

- The Ontology captures the Context of Use in which a user is interacting with a particular computing platform in a given physical environment in order to achieve an interactive task.
- The Ontology is formally specified in the Web Ontology Language [\[OWL\]](#).
- It defines a normative vocabulary of terms ([classes](#), [properties](#) and [instances](#)) that models the different [Properties](#), [Aspects](#) and Components (Aspect instances) of a Delivery Context.

# Applications

- The Ontology represents a normative, common understanding about the Delivery Context.
  - It can be used as a normative reference to create specific [Vocabularies](#), while at the same time enabling the interoperability between them.
- The Delivery Context Ontology itself constitutes a vocabulary of terms and can be used in conjunction with generic APIs for retrieving Context Properties, such as [\[DCCI\]](#).

# Modularization

- The Ontology defines several namespaces to make it easier to manage and for modularity reasons
- Each namespace contains a set of terms devoted to a facet of the Delivery Context
- See <http://www.w3.org/2007/uwa/editors-drafts/DeliveryContextOntology/LastCallWD-March2009/#sec-ontology-namespaces>

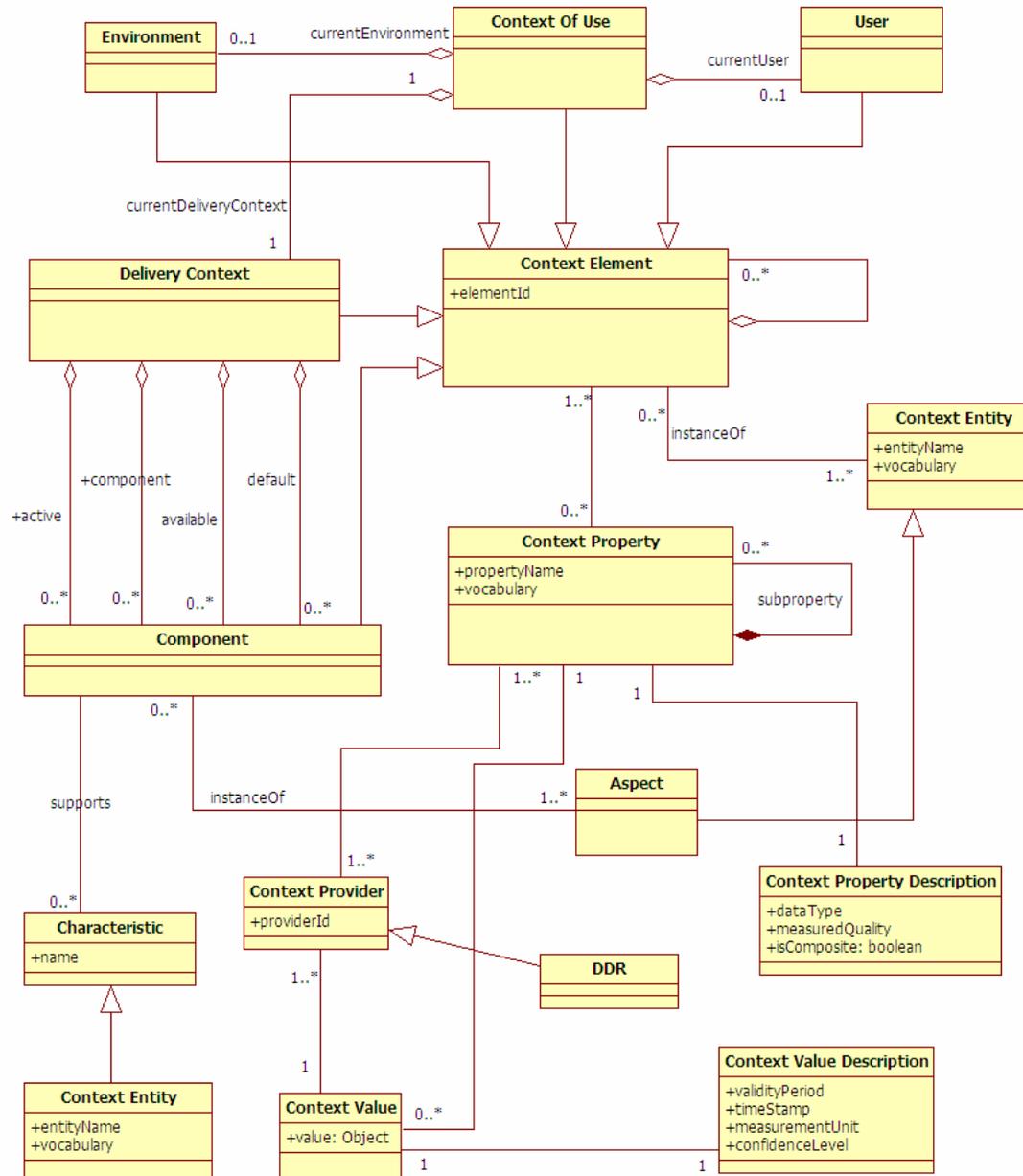
# Status

- The latest Editor's Draft available at
- <http://www.w3.org/2007/uwa/editors-drafts/DeliveryContextOntology/LastCallWD-March2009/>
- Ready to be published as a LCWD

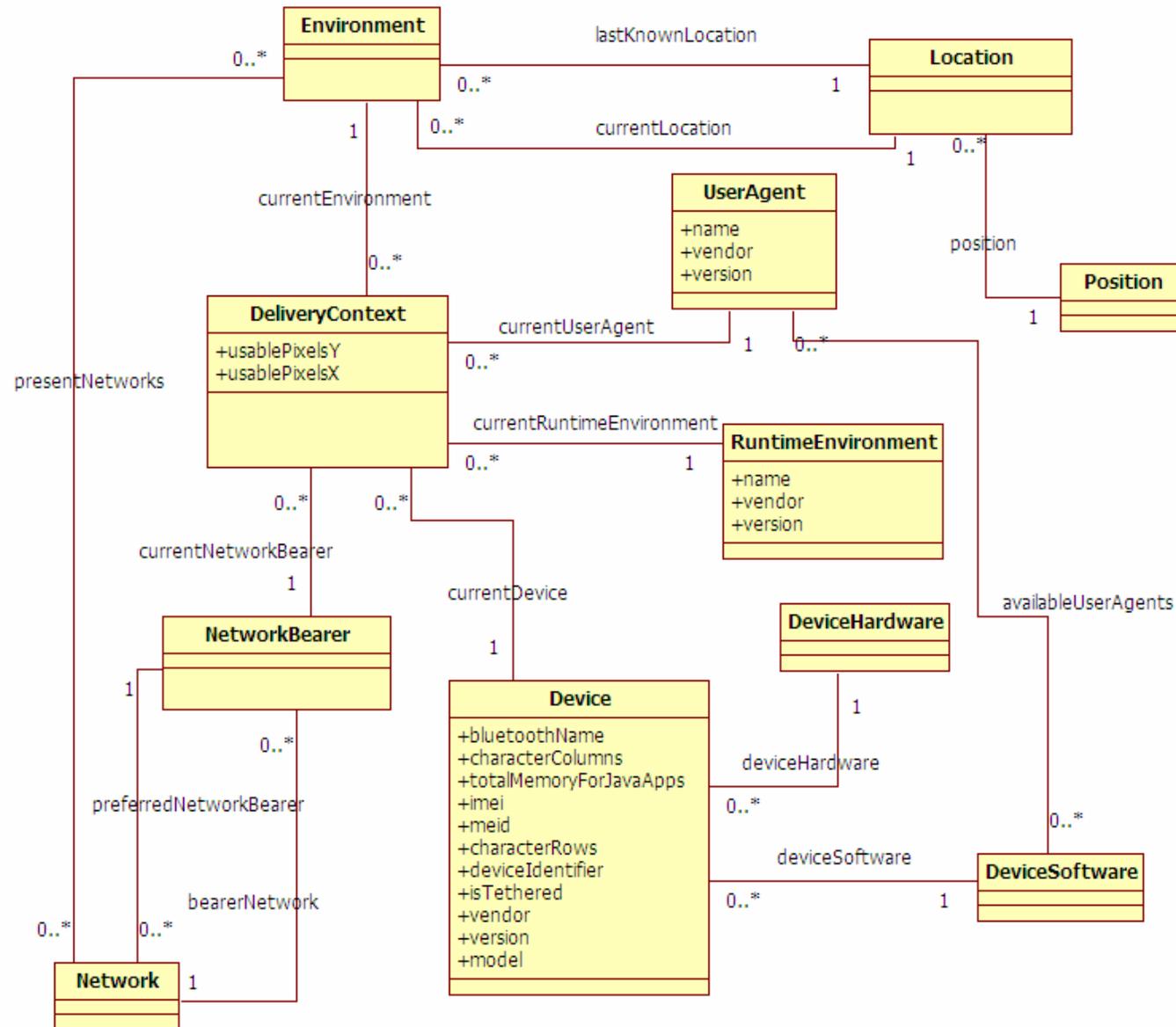
# Scope

- The Delivery Context Ontology is aimed at providing a formal and universally accepted model of the Delivery Context.
- It is not intended to model properties which can be application or domain dependent.
  - For instance, there are a number of properties that can be derived from the properties explicitly modeled by the Ontology.
- Certain facets of the Context of Use are not covered by this specification.
  - User Context
  - full description of the physical environment (temperature, noise, light ...).
- It is expected that such descriptions will be included in future versions of this specification.

# Conceptual Metamodel

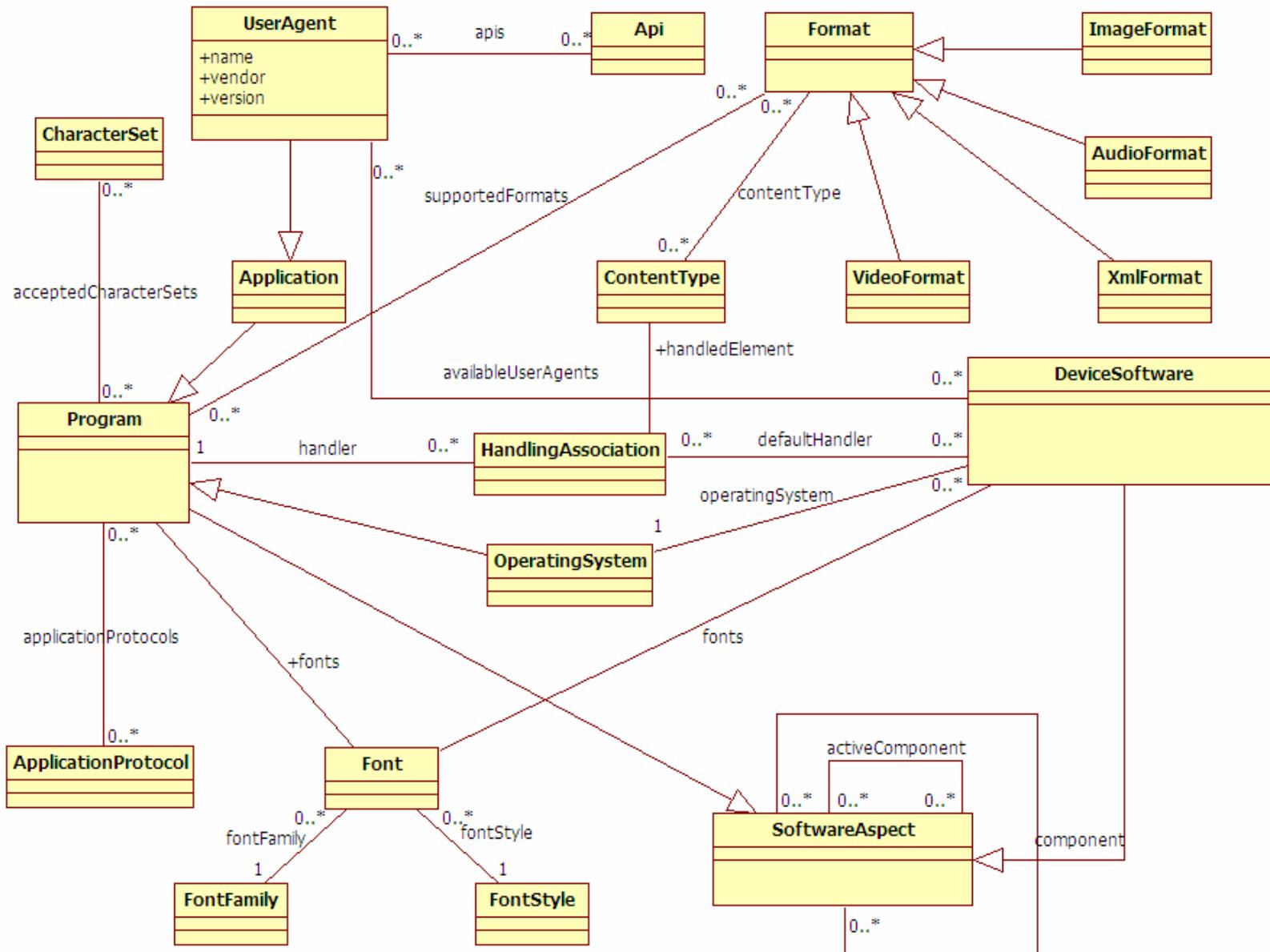


# Main Entities and their relationships (some attrs not shown)

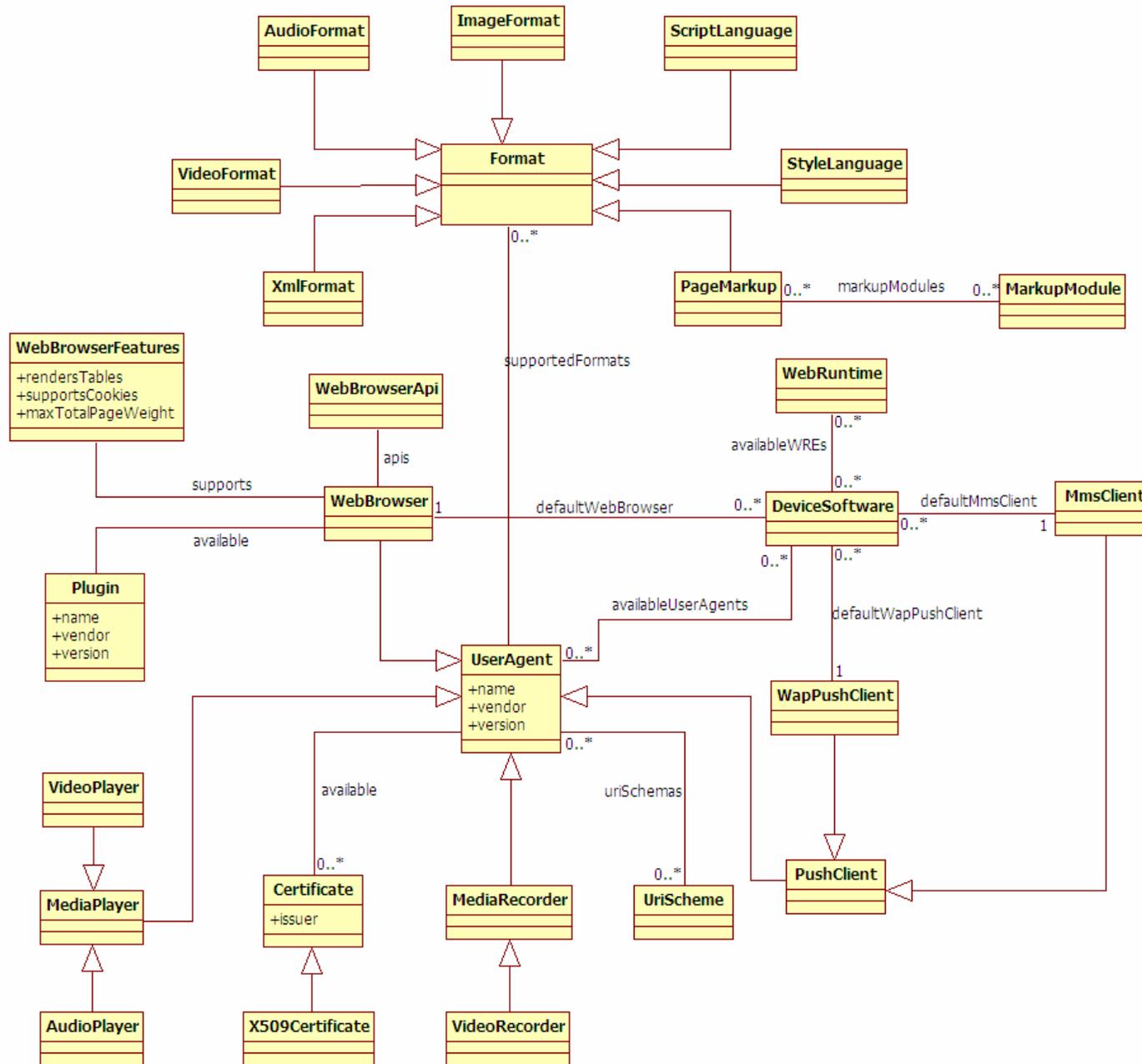




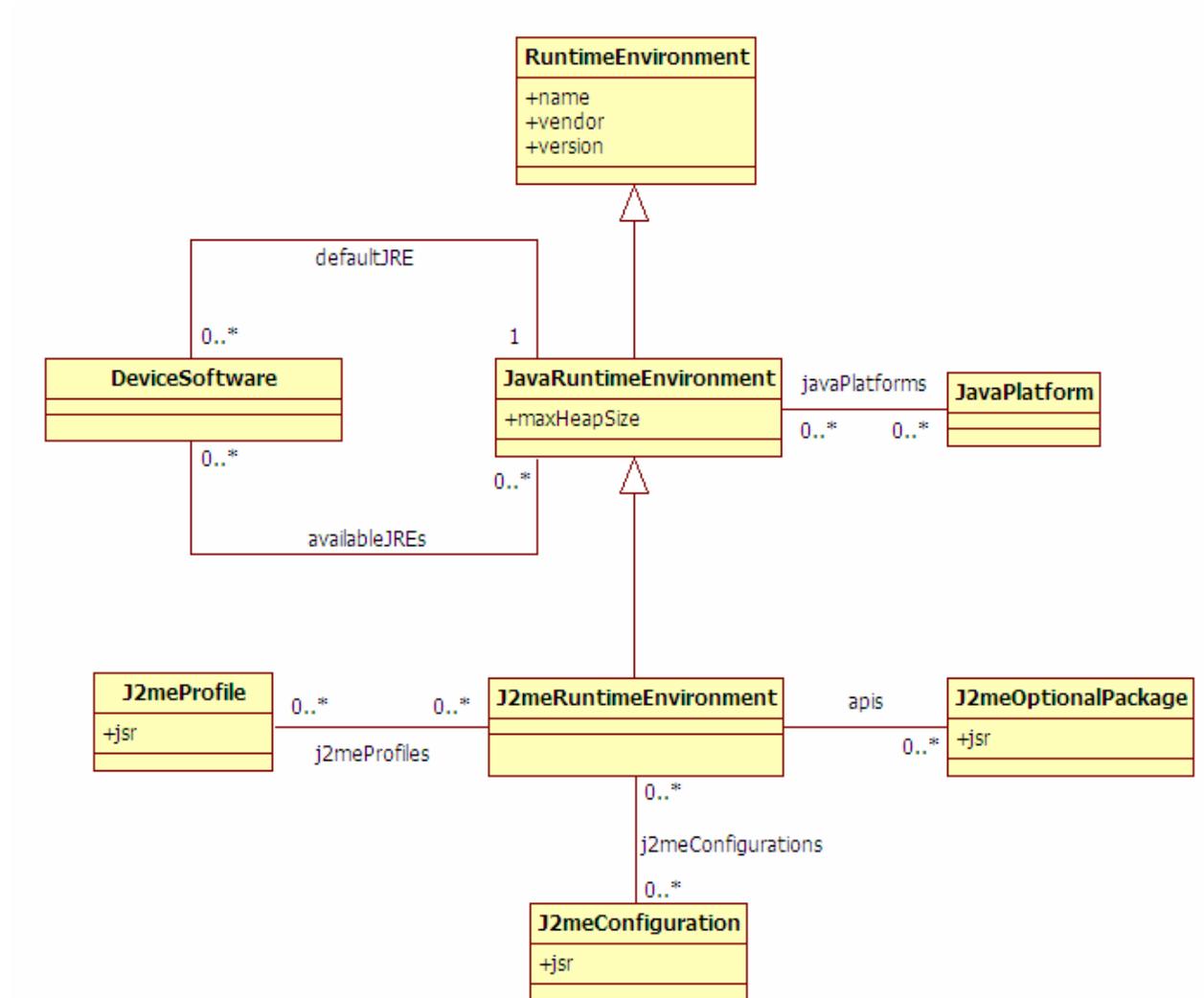
# Software Terms



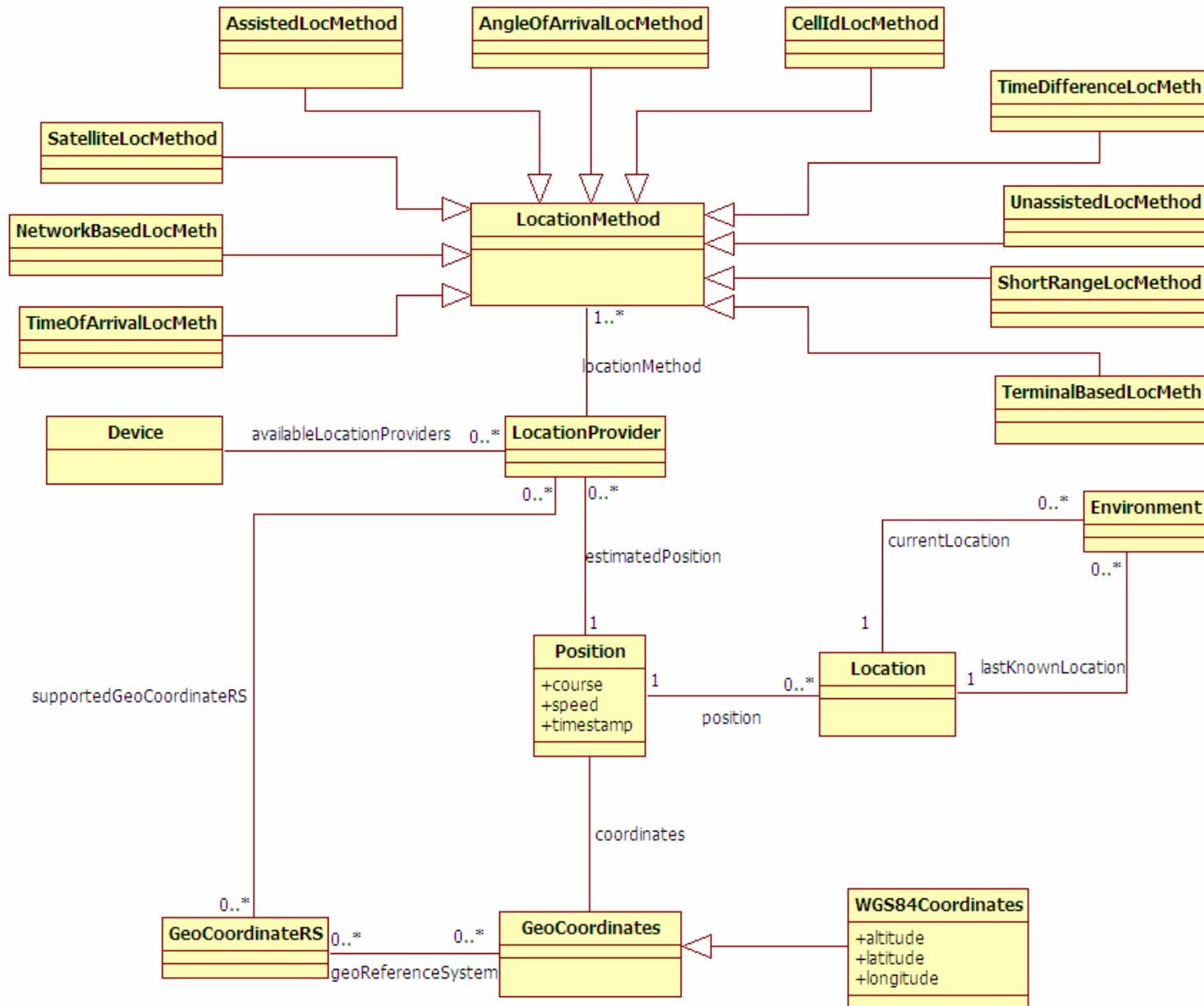
# Software / User Agent Terms



# Software / Java Terms



# Location Terms





Thank you