Restaurant ontology diagram

Desarrollo de Sistemas de Software basados en Componentes y Servicios

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Statement

Draw an ontological diagram that will describe the semantic information regarding the user's context of a ubiquitous system necessary for the correct composition of services for locating a restaurant suitable for a meeting with his friends.

The user is subscribed to a mobile network provider, which maintains a portal with a channel of information + entertainment (Infotainment) for its users. Infotainment offers a wide range of resources and services to its users: a point of information of interest, e-commerce and specialized search engines. The user uses his smart-phone strolls to the main square of his city and access Infotainment, which gives him access to a restaurant recommendation service. The mentioned portal uses an adaptive infrastructure to customize the service by adapting it to the user's context who can request it. In that case, the service request has resulted in the construction of a service from 2 Atomic services adapted to the context of the user. The context is enhanced directly by subscribing to the portal of services Infotainment.

Exercise

User
- subscribes to → Network provider
- strolls with → Smartphone

Smartphone
- usses → Network provider
- access to → Infotainment

Network provider
- maintains a portal with → Infotainment

Infotainment
- offers → Resources and services
- enhanced by subscribing to → User context
- give access to → Restaurant recommendation service

Resources and services
- such as → Specialised search engines
- such as → e-commerce
- such as → Point of information

User context
- adapts to → Adaptive infrastructure

Restaurant recommendation service
- uses → Adaptive infrastructure