

ONTO DDB® ONTOLOGY DRIVEN DATA CAPTURE SYSTEM

BACKGROUND

Currently, the development of data collection systems is a highly expensive process with a short amortization time, being necessary to built not only specific database structures but also the specific web forms used to feed it.

Additionally, late changes due to customer requirements or maintenance imply additional costs in both database structure and graphic interface modifications.

TECHNOLOGY DESCRIPTION

The current project proposes a general architecture and methodology based on IT ontology for the dynamical real-time construction of data collection systems and web forms according to particular considerations.

The product takes profit of the use of Standard Ontology Language (OWL) and existing ontology freewares to allow the selection and ordering of database fields and its graphic presentation in web forms.

The split between the conceptual model and the implementation allows data collection without additional programming.

ADVANTAGES

The product presents the following advantages:

- Re-use of conceptual models in future projects.
- Reduction in the time and cost of database collection systems development and maintenance.
- On-line modification of data collection forms.
- Separation between conceptual model and implementation.

Although the project was born from clinical research projects, the product represents a solution to the stiffness of current data base development tools, being applicable to all fields where data collections and analysis is needed, such as customer administration, project administration.

CURRENT STAGE OF DEVELOPMENT

The tool is currently developed for clinical research projects and is easily customisable to client needs.

GOAL

We are looking for partners who customise the tool according to client specifications and commercialise it under a license agreement.

PATENT

The system have been registered ® in the Spanish Intellectual Property Office, and Hospital Clinic of Barcelona holds the copyright.

CONTACT

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