EFTWeb: TOWARDS A SERVICE CENTRE FOR EDUCATION, LEARNING AND TRAINING

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Abstract

- EFTWeb motivation
- EFTWeb model
- E-learning community discussion
Motivation

- find better ways to facilitate education, learning and training support, with existent widespread technologies;
- allowing to transform information and knowledge into skill;
- innovate in the learning process, the user learns by doing;
- allowing system application to multiple knowledge areas;
- allowing content access, communication and broadcasting in multimedia format;
- lack of integrated solutions to reuse contents

Motivation

- fostering the development of skill networks
  - strongly related with communities
  - skill networks just occur when organised communities are in place
  - a skill network gathers people knowledge, experience and rely on trust, emotion, opportunity and proximity
The system supports the offer

OFFER

distribution - Web
content - database
structure - thesaurus

Serves an entity set

Entities

OFFER

distribution - Web
content - database
structure - thesaurus
Serves an entity set

Entities +

Client +

OFFER

distribution - Web
content - database
structure - thesaurus

Security +

Billing +

Serves an entity set

Entities +

Client +

OFFER

distribution - Web
content - database
structure - thesaurus

Security +

Billing +
Relate mechanisms with the entities

Client +

Guides *

Security +

Billing +

OFFER

distribution - Web
content - database
structure - thesaurus

Profiles *

2000-10-19 BOLTON, International Conference
Relate mechanisms with the entities

EFTWeb use added value
Service offering strategy

EDUCATION  => from offer to client
TRAINING   => from client to the offer
INSTRUCTION => from adapted offer to client
EFTWeb user types

- **normal user**
  - can be a teacher or a student
- **administrative users,**
  - responsible for the operation and definition of the system offer with two types
  - type I: deal with system operation
  - type II: thesaurus administrative users, responsible for maintaining multiple catalogues and thesaurus

EFTWeb administrative services

- **certifying and authoring**
  - certifying contents and authoring scripts;
- **version control**
  - promoting and maintain related content collections;
- **catalogue creation**
  - thesaurus additional information with lists of available thesaurus keywords with weighting factors
EFTWeb system services

- **mail**: email address to send/receive messages;
- **dialog**: allow client chat in real time. The service is organised in rooms that groups users by topic;
- **personal area**: works as a system portal, proposing a link collection;
- **personal folder**: where the client place his/her documents with the option to share them;
- **search engine**: textual search and thesaurus (by directory);
- **guides**: defines the content sequence - "knowledge road" - to be used.

Four independent activities

- **lecturing**
  - content transmission and facilitation;
- **certifying**
  - validating contents and education contexts;
- **evaluating**
  - validate and assess client (teachers and students) knowledge;
- **production**
  - content creation, methodology elaboration and technology selection.
E-learning community discussion

- four activities decomposition could introduce more flexibility delivering education, learning and training
- institutions may specialise themselves in one or more of these activities
  - new business rules may apply when the requirements for education, learning and training become more community centred

E-learning community discussion

- community centred education, learning and training may deal better with:
  - lifelong learning,
  - continuous learning
  - more oriented to "real world" contexts
  - allows multiple time and place delivery of skills and practices instead of closed curricula formal specification for the average student
E-learning community discussion

- huge impact in the institution however, for the professional most of its activity remains the same
- main difference is getting more specialised not into a given topic but in the process itself of being specialised in one of the following activities of being lecturer, "certifier", evaluator and producer

E-learning community discussion

- shift from a time-based to an information-based system can be done using ICT and systems like EFTWeb
- established communities tend to be influenced by flexibility on how to deal with time and place restrictions resulting from ICT adoption
Conclusion

- EFTWeb proposes a model for the integration of information that can be gathered from different institutions or groups of people.
- Institutions will operate in groups that interacts for producing information needed for the lecturing, certifying, evaluating and production activities providing a skill network.