EPMA E-Platform

- Website
- Electronic Learning Environment (ELO)

General

- ## 2 parts
  - Promotional part on www.epma.aero ??
  - Moodle on other webserver ...
- ## Promo: own web server
  - Made in ASP.NET (Microsoft IIS server)
- ## Moodle: Rent web server
  Linux web hosting (php, mySQL database)
  http://www.combell.com/en/shared/default.asp
  - 300 MB web space, 25 GB data transfer/month= 14,08€/month
  - 750 MB web space, 40 GB data transfer/month= 24,08€/month
  - Maintainence, backups, anti-spam & anti-virus included by the company

Promotional part

- Static information about EPMA
  (who, what, when, where, how,...)
- Potential student can subscribe
  (cc to all partners)
  Pre registration fee (50€) ?
- All subscription-information is stored in a database
- Student can go to the ELO
- Extra: netstat → general visit information

EPMA

- □ home
  - □ EPMA
    - Who Are We
    - Why EPMA
    - Where
    - When
  - □ Subscribe
    - Contact
    - Subscribe
  - □ Partners
    - Hochshule Hamburg
    - KHBO Oostende
    - Université Bordeaux

Welcome to the epma-website

Here you will find all then information you need...   very soon...

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Subscribe to EPMA

First name: [   ]

Last name: [   ]

Street & Number: [   ]

City: [   ]

Country [   ]

E-mail: [   ]

First Language: [English ▾]

Second Language: [English ▾]

Gender: [Male ▾]

Cell-phone: [   ]

Age: [   ]

Current Job: [   ]

Degrees: [   ]

[Subscribe]

Development

- Promotional part
  - ± 3 pages with information
  - Contact information
  - Subscribe page
  - Link to ELO
  - Information about the candidates stored in database
  - ± 1,5 weeks

Subscribing

- Step1: Potential student fills in his personal information on the website
- Step2: information is sent to:
  - Database → record all candidates information
  - email admin (+3 participants)
  - the potential student with details how to pay.
- Step3: When student has paid:
  - The admin 'unlocks' the account on website
  - The admin sends email with password to student

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ELO part: moodle

- Functionality:
  - Only students who paid are allowed (only admin can make accounts)
  - Guest/demo accounts ?
  - Forum
  - Teacher able to add lessons (exercises)
  - Output to form, list, emails, ...
  - Tests

Development

- ELO Part: basic
  - Getting information
  - Installation server + web server + moodle + basic configuration
  - Security (firewall, …)
  - Testing
- ELO Part: content
  - Adding users (admins, teachers, students)
  - Output of information to list, reports, …
  - Configuring Rights, Roles, Groups, Forum, …
  - Adding existing content (lessons, exercises, tests,…)
  - Testing Content
  - Testing Backup, maintenance, security, …
  - Guide for users / teachers

Content

- Information / lessons can be **made** in moodle using:
  - Text
  - Html
  - Pictures
  - Flash
  - QuickTime
  - WMF-movies
  - Office documents
  - PDF
  - ...
- Example lesson & guide will be made

Content

- Information/lessons can be **imported** in moodle using:
  - The **SCORM** standard!! (Shareble Content Object Reference Model)
  - = standard for web-based e-learning content
  - Can be imported in moodle (and other ELO's)!
  - Specifications that define the communication between client side content and a host system (the ELO)

  - www.scorm.com (information)
    http://www.adlnet.gov/Scorm (information)
    http://www.conform2scorm.com/ (Scorm software & tools)

ELO for EPMA-Project

ELO = Electronic Learning environment

LMS = Learning Management System

LCMS = Learning Content Management System

General Criteria

- Features and functionality (admin tools, teaching tools and user tools)
- Cost of ownership (implementation cost, expertise req., software- hardware- and license-costs)
- Maintainability and ease of Maintenance (resource hours to administer and maintain the server, program, …)
- Usability, Ease of Use (intuitive), User Documentation (availability)
- User Adoption, Current User Community (many users, large development community)

General Criteria

- Openness (open source, LAMP-system (=Linux, Apache, MySQL, PHP))
- Standards Compliancy (SCORM, IMS, AICC,XML, …)
- Integration Capacity (other systems)
- Reliability
- Scalability (small & large installations)
- Hardware and Software requirements (hardware- , platform-, software-, browser- requirements)
- Multilingual Support
- Release activity (still making progress?)

Feature-specific criteria

- Security (authentication, encryption)
- Access rights
- Course design, development and integration (customizable, templates, navigation)
- Course monitoring
- Assessment design
- Online Collaboration and Communications (email, chat, bulletin board, forum, help desk)
- Productivity tools (search, help,...)

Results

- A Lot of studies available on the internet. → most of them have the same results.

- It would be best to choose an LMS in which one of the partners has already experience.

- Toledo (LMS of KHBO) is not an option → developed by and only available for K.U. Leuven (not free and not open-source)
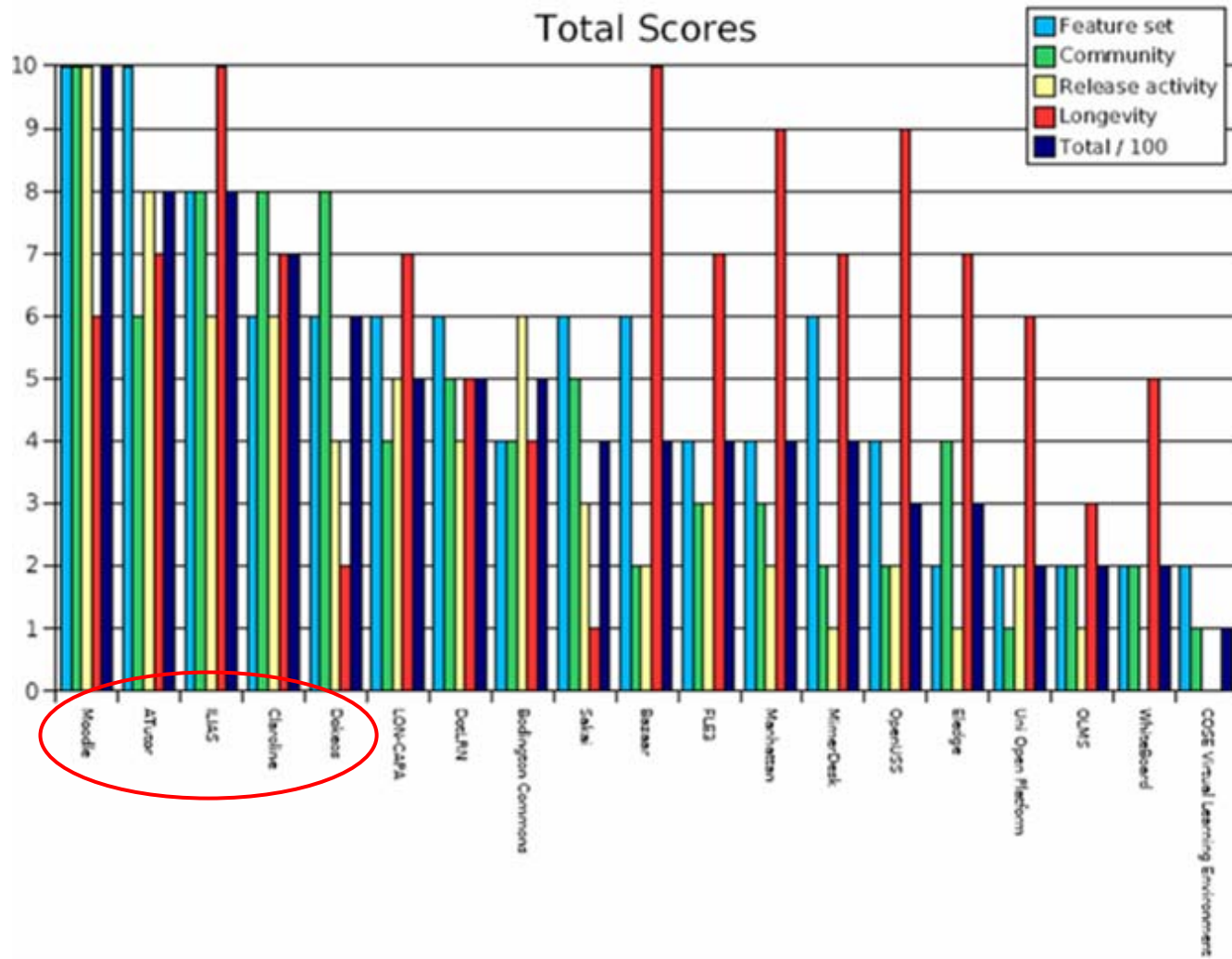
Results

- Top 3 candidates are:
  - ATutor
  - Moodle
  - Dokeos (derived from Claroline)

- My recommendation would be Moodle because Hamburg has experience with it. (I do not know the LMS of Bordeau)

Results - from of many studies

Links

- http://edutools.info (English – comparison between ELO's)
- http://www.karinvandenberg.nl/Thesis.pdf (English - Study)
- http://www.jarche.com/node/103 (English - comparison ATutor – Claroline and Moodle (2003))
- http://www.jarche.com/?p=813
- http://www.brandon-hall.com/publications/lmskb/lmskb_compare.shtml (not free)

- http://www.atutor.ca
- http://moodle.org
- http://dokeos.com

- http://en.wikipedia.org/wiki/Learning_Management_System (info)
- http://solin.nl (Dutch – studies)
- http://elearning.surf.nl (Dutch – comparison between ELO's)