



eLearning

pharmaceutical industry & academia

different targets – same problems

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Technical issues

- eLearning platform
 - own written
 - ready to use – OpenSource, commercial
- content preparation software
- internet software (Linux - Apache, MS - IIS)



Security issues

- platform
- published and stored data
- users data
- servers



Users issues

- expectations
- up-to-date information
- multimedia
- user friendly interface



eContent issues

- access to the content
- authors expectations
- content preparation
- necessary changes to keep information up-to-date
- multimedia



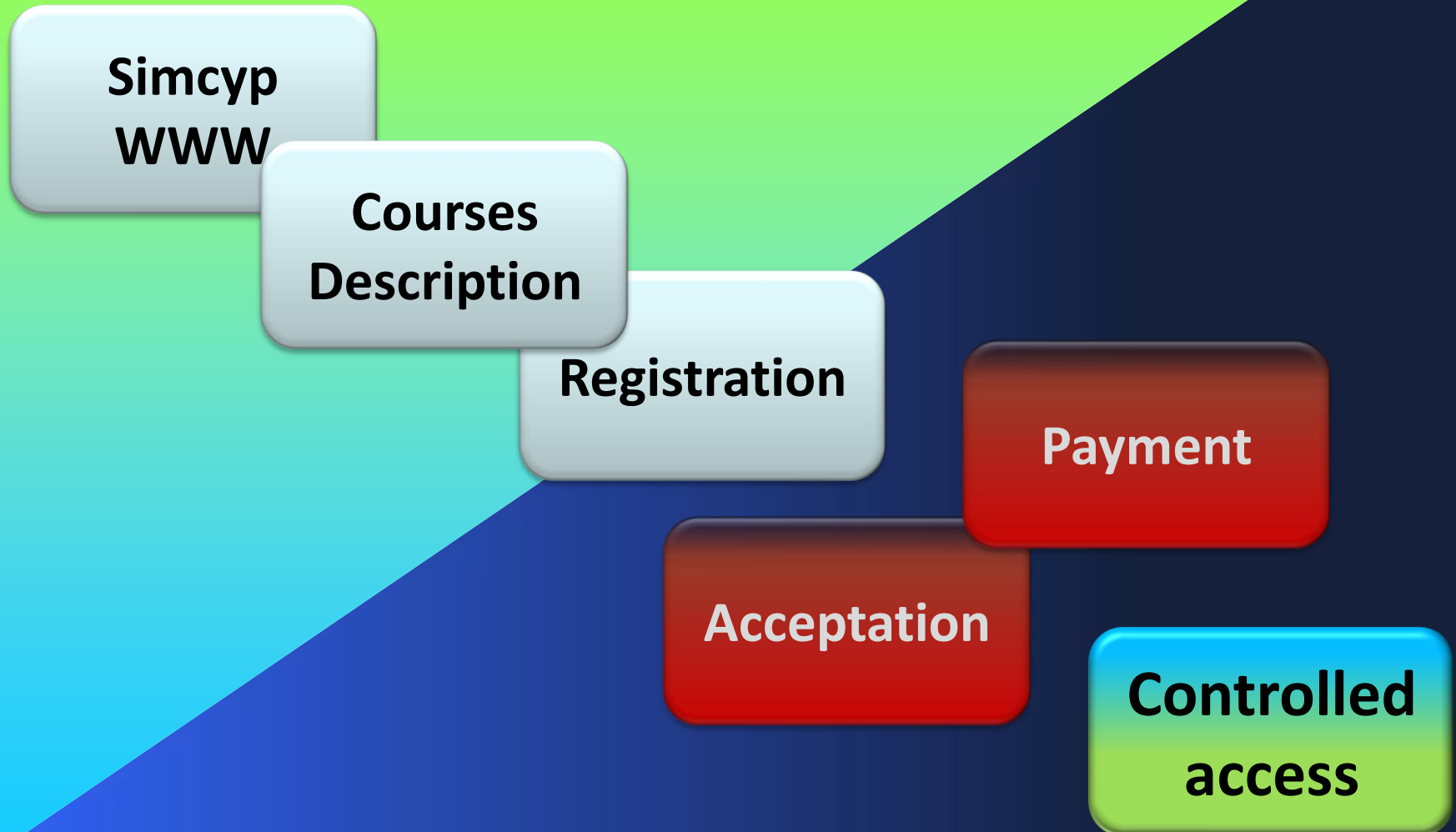
Examples

- Simcyp Virtual Campus

- platform – OpenSource Dokeos system – PHP/MySQL
- radically changed structure due to the code and security insufficiency
- MS infrastructure – some problems with IIS – PHP/MySQL connections
- connected with the company website and e-payment part



Examples – Simcyp VC structure





Examples

- Simcyp Virtual Campus - targets
 - Simcyp Simulator current and future users
 - Consortium Members interested in recent advances in *in silico* IVIVE
 - connected with the company website and e-payment part



Examples

- Simcyp Virtual Campus - problems
 - content – constant update!
 - simulator changes – local, server-based and web-based version
 - users expectations
 - security issues – copyrights protection



Examples

- e-duk@cja – pharmaceutical continuing education platform
 - platform – own written system – PHP/MySQL/Java
 - flexible structure
 - cooperation with national and local pharmaceutical boards
 - Medical College JU - meritorius patronate (Scientific Advisory Board)



Examples – e-duk@cja structure

e-duk@cja

**Courses
Description**

Registration

Payment

**LPB
acceptation**

Full access



Examples

- e-duk@cja - problems
 - content – constant update!
 - Central Commission for Medical Education guidelines
 - users expectations
 - scale problem – ca. 8000 users
 - security issues – copyrights protection



- **E-repository**

- A system for storage, management and dissemination of information
- Categories of information
- Database-driven (PHP/MySQL)
- Interfaces for each country e-learning system



• E-repository functionality

- Searchable database with e-content categorization/grouping
- E-content as XHTML/XML and binary files: documents, multimedia etc.
- Multilanguage interface
- Workmode similar to the e-learning system (search and download/upload)



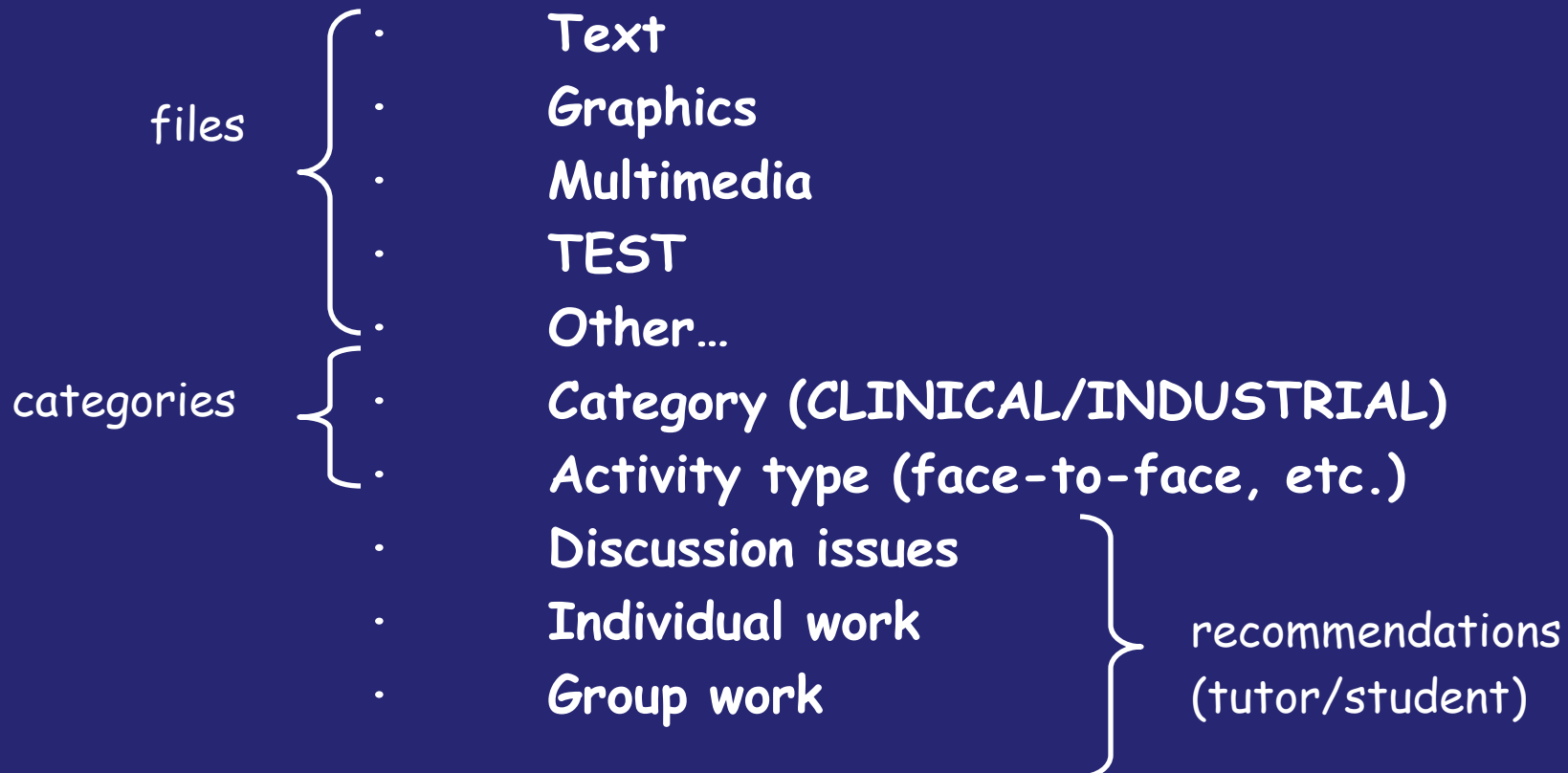
- **E-repository**

- Database-driven system (Open Source: Linux, PHP, MySQL, Apache, ...)
- Produced and maintained in Cracow
- Tree-like structure
- Simply operated via web browser (platform independent)



• E-repository structure

- Course 1 (e.g. Interactions)
 - Module 1 (e.g. PK interactions)





- **E-repository safety ensurance**
 - E-content stored directly in the database
 - Unique solution - no physical files on the server
 - Securing the server and maintenance (Cracow)
 - login logs audit
 - administrator cell phone as monitoring station
 - automatic backup system



- **E-repository features:**

1. Hierarchy of users

- a) central administrator

- b) regional admin

- c) tutor

- d) guest

2. Interface localization

3. Search engine

4. Courses aggregation for annual/interim/ad hoc reports

5. HTML as a default file format

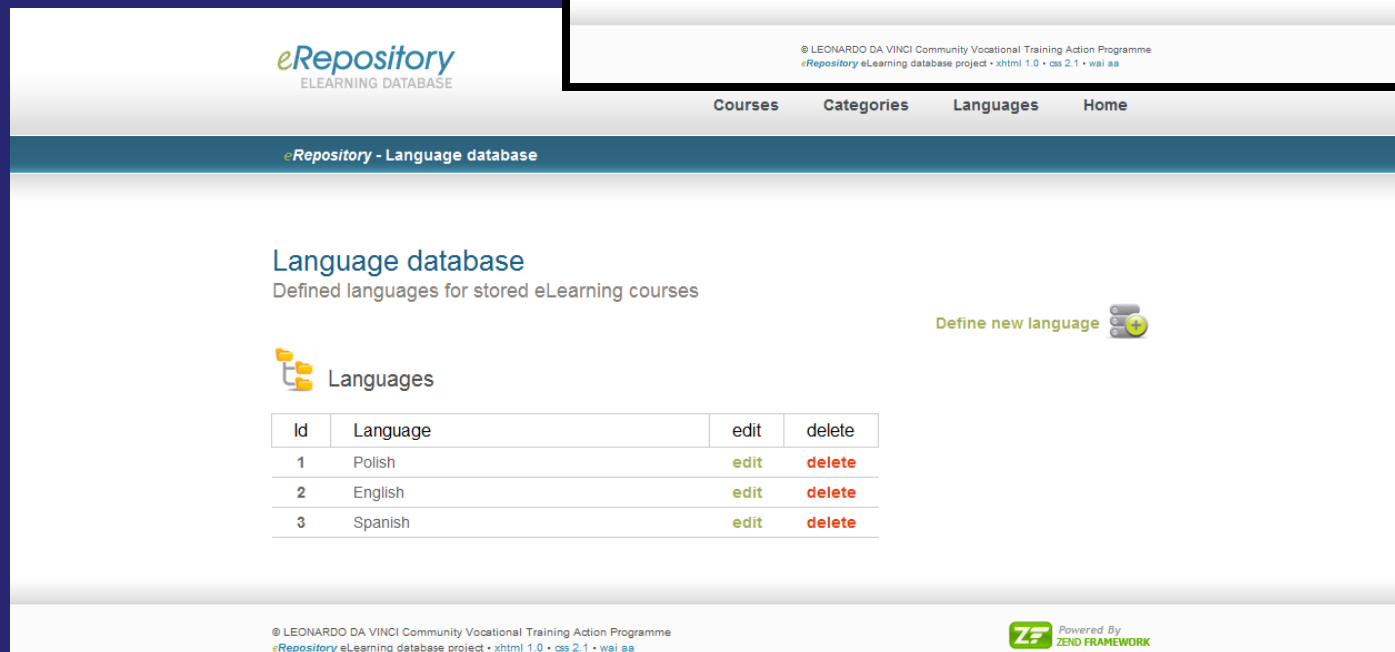
6. Open Office - the default wordprocessor



• eRepository



The screenshot shows the main page of the eRepository eLearning database. At the top, there is a navigation menu with links for 'Courses', 'Categories', 'Languages', and 'Home'. Below the menu is a teal header bar with the text 'eRepository - Welcome in eRepository eLearning database'. The main content area features a large heading 'Welcome in eRepository eLearning database' followed by a sub-heading 'One place for whole eLearning content'. Below this is a paragraph of placeholder text (Lorem ipsum). At the bottom of the page, there is a footer containing copyright information for the Leonardo da Vinci Community Vocational Training Action Programme and a 'Powered By ZENDE FRAMEWORK' logo.



The screenshot shows the 'Language database' page. It features a navigation menu at the top with 'Courses', 'Categories', 'Languages', and 'Home'. Below the menu is a teal header bar with the text 'eRepository - Language database'. The main content area has a heading 'Language database' and a sub-heading 'Defined languages for stored eLearning courses'. To the right, there is a 'Define new language' button with a plus icon. Below this is a table listing the defined languages.

Id	Language	edit	delete
1	Polish	edit	delete
2	English	edit	delete
3	Spanish	edit	delete

At the bottom of the page, there is a footer with copyright information for the Leonardo da Vinci Community Vocational Training Action Programme and a 'Powered By ZENDE FRAMEWORK' logo.



Jagiellonian University Medical College

Faculty of Pharmacy

Leonardo da Vinci Project



eRepository - Welcome in eRepository eLearning dat[...]tional Training Action Programme - Mozilla Firefox

Plik Edycja Widok Historia Zakładki Narzędzia Pomoc

http://dv.farmacja.cm-uj.krakow.pl/erepository/index.php/

openSUSE Getting Started Latest Headlines Google Talk Wydział Farmaceutyc... Kamera Rynek Główny

06 June 2008 Logged as: System Owner, [logout](#)

eRepository

elearning database

- Home page
- System users
- Public users approval
- Universities database
- Languages
- Categories
- Courses

Welcome in eRepository eLearning database

One place for whole eLearning content

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Zakończono



eRepository - Manage course - LEONARDO DA VINCI Co[...]tional Training Action Programme - Mozilla Firefox

Plik Edycja Widok Historia Zakładki Narzędzia Pomoc

http://ldv.farmacja.cm-uj.krakow.pl/erepository/index.php/Course/manage/id/3

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eRepository

elearning database

- Home page
- System users
- Public users approval
- Universities database
- Languages
- Categories
- Courses

Manage course

asd
asdasd

[Edit course main elements](#)

Course main elements

Element name	status
Main Test for course	filled
Individual work isuess	filled
Group work isuess	filled
Certification	filled

[Add new module](#)

Course Modules

Num	name	edit	added	edited	delete	manage
1	dsfsd	0000-00-00 00:00:00	2008-06-06 19:11:58	edit	delete	manage
2	se	0000-00-00 00:00:00	2008-06-06 21:45:25	edit	delete	manage
7	Lorem ipsum	2008-06-06 18:31:52	2008-06-06 18:30:51	edit	delete	manage

Distribute your course!

[Create download-ready course pack](#)

Your corse pack is already created!

[Create download-ready pack](#)

You can download it from [here](#)
(<http://ldv.farmacja.cm-uj.krakow.pl/erepository/index.php/Course/download/id/3>)
Version: b/2008/06/06



THANK YOU

