

# WIMA 2 – draft project activity plan

## 1 Build the data base

- Complete the definition and creation of the data base in mySQL according to the current draft<sup>1</sup>
- where possible and feasible create perl scripts to load data into the data base, either using 'csv' type flat files and the command LOAD DATA INFILE or directly with SQL insert operations<sup>2</sup>
- test the data base using free-form SQL
- a small team of administrators will manually apply updates to the data base to load additional data into the data base

## 2 Query dialogs for the general public<sup>3</sup>

### 2.1 Design HTML files

The design should firstly be realised with pure HTML without access to the data base and without the use of php. The initial aim is to study the 'look and feel' of the dialogs and to produce a final design.

- Choose initial selection method:
  - Person (composer, editor, . . .)
  - Composition (title, text, recent additions, . . .)
  - Instrument / instrumentation group
  - Attribute (period, style, genre etc)<sup>4</sup>
- Show selection list
  - Person
  - Composition

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- 1 MySql Database exists with tables *Person*, *Role*, *Person\_Role* and *User* defined and populated. Remaining tables need to be created
  - 2 We have an about 2 years old text file dump from a parallel PolyDoc database plus perl scripts to parse the file and create cvs files. There are LOAD DATA scripts to import these data into preliminary 'raw' MySql tables and DBI perl scripts to populate final tables from raw tables. The problem with this is 1. that WIMA has grown substantially since then and 2. that the import facilities are designed for a somehow different data model.  
I see a couple of approaches to data population
    1. Adapt the PolyDoc data import to the new data model
    2. Create new perl scripts for parsing existing php and html composer indexes and creating cvs data import files. I foresee that to be a very complicated task
    3. Populate composition data from scratch using the new WIMA editor facilities. That requires person/time resources. We might be able to find volunteers for that.
  - 3 CMO: I imagine a few presentation templates. Functionally they should have the same simple facilities like the current interface, ie links to downloadable files, link texts and additional text. Composition hierarchies should be visually represented as lists and sublists. The php application scripts should generally output just plain html with no/few fancy features.
    1. For selections of a single composer composer indexes with composer information at the top and a subsequent list of compositions, something like the current composer pages.
    2. For selections involving multiple composers a list of compositions with composer information at each list item. Maybe this kind of presentation should be hierarcal with general information at the top level and a link to composition details.
    3. I suggest preparing mockup examples for discussion of presentation design
  - 4 There should standard boolean operators (check buttons) for combined selections. I suggest using multiple selection criteria like those found with the ThunderBird mail archive search facility, ie. addition of new selection fields in runtime with user defined boolean operators (AND / OR). We should consider an additional advanced search facility based on textually entered search expressions.  
We should consider user defined search result sorting to override default sorting

- Display detailed data
  - Person, Biography, list of Compositions
  - Composition, Movement, Composition\_File
- View file content (PDF)
- Download PDF File

### 3 Create and test programs

Using php and mySQL.

## 4 Additional dialogs for administrators

Firstly in pure HTML, as described above.

### 4.1 Design HTML files

- Logon (already provided in Apache server)<sup>5</sup>
- Superuser facility for adding, updating and deleting WIMA editor users
- WIMA editor facility for maintaining their password
- add / update / delete Person
- add / update / delete Composition & Movement
- add / update / delete Composition-Instrument
- add / update / delete Composition-Event
- add / update / delete Person\_Composition\_Role
- add / update / delete Biography
- add / update / delete Base Codes
  - Role type
  - Attribute (incl. *Period*, which I suggest merged into *Attribute*)
  - File type
  - Engraving software
  - Instrument
  - Link type
  - Event type
  - Text formatting type
  - Country
  - Language
  - Biography source

### 4.2 Create and test programs

Using php and mySQL.

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<sup>5</sup> CMO: yes, there is a logon facility incl. a *User* table and authorization routines as outlined in the o'Reilly book on php and MySQL. I use it for logging on to the current Composer editing facility.

## **5 Manual initial data input**

The existing project data is not in a format which permits the complete data to be loaded automatically via programming. A small team of administrators will need to manually input much of the data.

During this process it will be necessary to propagate updates to the original WIMA system to the new system.

## **6 „Cutover“**

When the input of data is complete a switch can be made from the old to the new system.

Following the cutover a parallel run of the old system should be done for a short time. Should a serious problem in the new system emerge it is then possible to temporarily fall back to the old system. During the parallel run any updates to the data in mySQL data base should be propagated to the old system.

## 7 PHP file name and heirarchy

Draft, Oct. 28, 2007

All files have file type '.php'

### 7.1 *Basic frame structure*

WIMA2-e-heading

WIMA2-body

WIMA2-e-sidebar

### 7.2 *The following are shown in the frame WIMA2-body*

.----- these are selected from the side-bar

|  
| | | |

WIMA2-e-home

WIMA2-e-query

WIMA2-e-q-newscores

WIMA2-e-q-revisedscores

WIMA2-e-q-composers

WIMA2-e-q-compositionlist

WIMA2-e-q-compositiondisplay

WIMA2-e-q-instrumentation

WIMA2-e-q-extendedsearch

WIMA2-e-q-esearchresults

WIMA2-e-update

WIMA2-e-u-update2

WIMA2-e-u-person-add

WIMA2-e-u-person-update

WIMA2-e-u-person-delete

WIMA2-e-u-composition-add

WIMA2-e-u-composition-update

WIMA2-e-u-composition-delete

WIMA2-e-u-instrument-add

WIMA2-e-u-instrument-update

WIMA2-e-u-instrument-delete

WIMA2-e-aboutus

WIMA2-e-news