

## Project Timeline

(Revised 1/18/2006)

### I. ITEMS COMPLETED TO DATE

#### **Data Acquisition, Analysis/Mining:**

Gather, process and analyze circulation data from UCLA, UCB.

Process and mine RLG and OCLC holdings data; OCLC data selected for experimentation.

Define and populate data structures to hold mined circulation and holdings data.

Evaluate xISBN.

Acquire, analyze Melvyl search log and/or Aleph query table data in preparation for spelling correction.

Experiment with Amazon Web Services (AWS).

#### **Technical Framework:**

XTF development path established.

XTF grouping/corpus analysis framework completed

Experimentation with Marc to MODS transformation (ultimately rejected)

Test XTF performance on large (up to 9 million+ records) sets of small bibliographic records

Define, implement interfaces between XTF and external data

Explore Stoica algorithm for generating faceted metadata hierarchy

XTF circ/holdings boosting support added.

XTF support added for AWS (if tractable and justified).

Initial wave of XTF optimization and bug-fixes.

#### **Ranking/Recommending Algorithms:**

Develop, test potential ranking and recommendation algorithms.

Choose subset of most likely algorithms for testing.

#### **UI:**

Define range of functionality requirements.

Select UI platform and implementation strategy.

Do inventory/analysis of how other recommendation sites expose recommendations in the UI.

Complete UX design and wireframes for all pages: search form, search results, full metadata view.

Complete HTML/CSS templates for vanilla interface.

Implement web production (crossQuery).

Searching interfaces available.

#### **Assessment:**

Define assessment objectives, user tasks.

Define metrics for evaluation.

Draft evaluation plan.

Submit documents for human subjects approval.

## II. Timeline: Continuing Work

### JANUARY 2006

Basic UI coded and tested  
Design tools for assessment of relevance ranking  
Support for session-based stateful (and hooks for persistence) added to XTF  
Test, adjust assessment tools for relevance ranking  
“Dry run” of assessment tools for relevance ranking, make final adjustments as needed

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### FEBRUARY 2006

Assessment round 1: Relevance ranking assessment  
Analyze results of round 1  
Presentation of recommending work-in-progress at Code-4-lib (February 15 – 17)  
Design tools for assessment of recommendation  
Simple keyword highlighting to remove inefficiency of the <or> query work-around for keyword searches  
“More like this” implementation

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### MARCH 2006

Test assessment tools for recommendation, make adjustments as needed  
“Dry run” of assessment tools for recommending, make final adjustments as needed  
Sourceforge: Minor XTF documentation updates and new release build (major updates later in the project)  
XTF index-based spelling correction completes.

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### APRIL 2006

Assessment round 2: Recommending assessment (weeks 1 or 2)  
Analyze results of round 2  
Research FRBR implementation in XTF  
Presentations/demos at Spring CNI (April 3 – 4) and DLF (April 10 – 12)

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### MAY 2006

Draft findings and recommendations. Present findings to team.  
XTF work completes.  
Document remaining XTF features, including delayed updates.

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JUNE 2006

Refinement of lessons learned. Papers submitted to journals for publication.  
Migrate proven XTF features from experimental to permanent status.  
Project clean-up

Project End.