

CineFiles Redesign: Technical Specifications

September 22, 2008

Questions for Anuj, Nancy, and Glen are in yellow.

Phase 2 items are in blue text.

Web Pages

Analysis of the PDF distributed on 9/18/2008. This list excludes things like links to other pages. All pages of course have HTML coding, CSS work, and specific text (e.g., search tips).

- Homepage
 - Invoke four simple searches: Director, Subject, Genre, and Film Title
 - Display Featured Document (rotating)
 - [Menu selections to invoke advanced search pages and browse lists]
- Advanced Document Search
 - (All) Invoke four simple searches; invoke advanced search; invoke browse lists.
 - Refactor existing CGI to JSP and Java servlet to query database based on form.
 - [JavaScript to return results and redirect to appropriate page]
- Advanced Film Search
 - (All) Invoke four simple searches; invoke advanced search; invoke browse lists.
 - Refactor existing CGI to JSP and Java servlet to query database based on form.
 - [JavaScript to return results and redirect to appropriate page]
- Document Search Results
 - (All) Invoke four simple searches; invoke advanced search; invoke browse lists.
 - Refactor returned results based on specified format.
 - Conditional display based on whether document can be accessed by user.
 - Conditional display of link to publisher's web site.
 - Implement code to sort results by specified fields.
 - Preferred default sort: doc type (then chronological within)
 - Other sort types: Alphabet, chronology, reverse chronology, restricted/unrestricted (is in the bean)
 - Question: Can it show e.g., "You have ## results by title, ## results by genre, ## results by subject"? Is this more of a Phase 2 item?
- Film Search Results
 - (All) Invoke four simple searches; invoke advanced search; invoke browse lists.
 - Returned results use the same format as in CineFiles now?
 - Implement code to sort results by specified fields.
 - Preferred default sort: Alphabetical
 - Other Sort options: chronology, reverse chronology, # of documents, Director, Country
 - Phase 2: Build a spreadsheet view for column sorting on Film Search Results (and Document Search Results?) using a client-side/AJAX approach.
- No Search Results
 - (All) Invoke four simple searches; invoke advanced search; invoke browse lists.
- Film Citation
 - (All) Invoke four simple searches; invoke advanced search; invoke browse lists. Display Filmography information.
 - Display Document Search Results for this film.

- Build Back to Film Search Results.
- Link to Curriculum Guide (a.k.a. Educator Resource Guide) if exists.
- Document Image Result
 - (All) Invoke four simple searches; invoke advanced search; invoke browse lists.
 - Display Document Citation (in scrolling pane).
 - Display thumbnails of images in Document Navigator. If thumbnail clicked, navigate to clicked page.
 - Build “Back to Film Results” (back to Film Citation page)
 - Build “Back to Document Results” (back to Document Citation page)
 - If authorization fails (Restricted Document) and no URL on publisher web site, enable a mail to that sends email address and document information to someone.
 - If authorization fails (Restricted Document) and URL exists on publisher web site, display the URL.
 - If authorization succeeds
 - Display image (click takes you to enlarged viewing window)
 - Build and enable “Download full document as a PDF”
 - Build and enable “Print this page”
- Display Enlarged Image
 - Open in separate window or tab for zoomer capability and some citation information.
 - Need to develop specs further.
- Browse All Directors
 - (All) Invoke four simple searches; invoke advanced search; invoke browse lists.
 - Display alphabetized list of directors with links that perform their search.
 - Build alphabet anchors (A-G, H-M, N-R, S-Z)
- Browse Directors with complete filmography indexed
 - (All) Invoke four simple searches; invoke advanced search; invoke browse lists.
 - Display alphabetized list of directors with links that perform their search.
 - Need to develop specs further, but this will probably conform to the new browse list style.
- Browse Genre Terms
 - (All) Invoke four simple searches; invoke advanced search; invoke browse lists.
 - Need to develop specs further, but this will probably conform to the new browse list style.
- Browse Subjects
 - (All) Invoke four simple searches; invoke advanced search; invoke browse lists.
 - Need to develop specs further, but this will probably conform to the new browse list style.
- Educator Home
 - (All) Invoke four simple searches; invoke advanced search; invoke browse lists.
 - Embedded Resource Guides list – this is expected to grow; ideally we’d build something that allows content to be added easily (e.g., database driven) but we might not be able to this round.
 - [Link to Themes and Topics and other Useful Links]
- Educator Themes and Topics
 - (All) Invoke four simple searches; invoke advanced search; invoke browse lists.
 - Display organized list of themes, sub-themes, and films as a two-tiered list leading to a list of films – this can be canned and does not have to be built into

the database at this point. The final list will be something like what is shown below. **Note: This might need to be database-driven. You could write this as plain HTML but only if you excluded the document count. We could experiment to see how hard or easy this would be.**

African-American Experience > Civil War > Glory (18 documents)

African-American Experience > Civil Rights Movement > Mississippi burning (24 documents)
4 little girls (8 documents)

- Embedded Educator Resource Guide list – **This list of curriculum guides is expected to grow so to have it be generated dynamically on the Educator Themes and Topics page would require some additional work. We can do this in Phase 2, though we should make sure to lay the appropriate framework in Phase 1 to make sure we can implement this in Phase 2.**
- Educator Resource Guide page
 - (All) Invoke four simple searches; invoke advanced search; invoke browse lists.
 - Display Educator Resource Guide information for that selected film.
 - Text is stored as a separate HTML file for the resource guide – the ‘go to curriculum guide’ on the film page just links to the resource guide page. This will only appear on the film citation page if a guide is available.
 - **To make the link from the Film Citation page to here, we would need a field in the database. Can we do this in Phase 1? We might need to push this off to Phase 2?**
- About Us
 - (All) Invoke four simple searches; invoke advanced search; invoke browse lists.
- Donors
 - (All) Invoke four simple searches; invoke advanced search; invoke browse lists.
- Copyright
 - (All) Invoke four simple searches; invoke advanced search; invoke browse lists.

Other programming not mentioned above

- Featured Document
 - Database changes
 - XDB screen
 - Query servlet (rotate the results in the SQL or elsewhere in the servlet)
 - JavaScript to return results and display.
- Browse lists (all four)
 - Build code to rebuild the lists on some scheduled basis. **Weekly OK?**
 - Query servlet
 - JavaScript to return results and redirect to appropriate page.
- Simple Search Director
 - Query servlet: Director (film table) and Name Subject (document table) and Document Subject (document table). Only return results if there is at least one result in the film table. Results: Film table results first, then documents. **Do we need some text to indicate that documents for that named person might be about s/he in a non-director capacity?**
 - JavaScript to return results and redirect to appropriate page.

- Need to mockup this page.
- Simple Search Subject
 - Query servlet: Subject (film table) and Name Subject (document table) and Document Subject (document table) and Film Subject (document table). Results: Film table results first, then documents.
 - JavaScript to return results and redirect to appropriate page.
 - Need to mockup this page.
- Synopses – Phase 2
 - Database changes
 - XDB screen
 - Code to import and maintain data
- Keyword search – Phase 2
 - Database changes?
 - XDB changes?
 - Code to import and maintain data
 - Query servlet
 - JavaScript to return results and redirect to appropriate page.
- Thumbnails
 - Generate and store or derive on the fly?
- Educator Themes and Topics – The following tasks could be phase 2
 - Database changes
 - XDB screen(s)
 - Query servlet
 - JavaScript to return results and redirect to appropriate page.
- Educator Resource Guide – The following tasks could be phase 2
 - Database changes
 - XDB screen(s)
 - Indicates on film citation page that a guide exists and can be linked to.