**Dev. Log**

**FMQAI**

**Interview #2 Exercise.**

**Brief:**

**Develop a vehicle for searching and displaying documents related to ESRD reporting.**

**Use documents provided by CMS (Centers for Medicare/aid Services).**

Use:

Data storage: MySQL

Language: PHP

Markup: HTML4 / XHTML1

Styling: CSS2

Activity: Ajax (Spry)

Time log:

Thursday morning:

Received email and assignment. Starting working on db setup (see db setup sheet)

12:-12:30

\*Sketched out the db layout. 2 tabled. tbl\_docs (main table, and tbl\_regs (regulations numbers)

12 - 4

\*Looked for a way to search a db field but not include characters inside HTML tags. If I can find this then I can eliminate a field in the db, thus normalizing the data further.

\*

MySQL does case-insensitive text matching be default so I don't have to worry about that.

-Because I am at my current employment from noon to 9pm my research time is sporadic at best. Right now I am just trying to gather all the data, information and tools I can.-

2p  
\*Found a PHP script that has some basic string manipulation and search functions already made. Looking over the code to see if it is usable for my assignment

4p

\*Looks like keeping the text and the html markup together in the db but only searching the text is not going to be feasible, well it is, just not practical. Would increase complexity to much; simpler solution: Full text + HTML markup in one column (display), just text(searchable) in another.

\*Researching what sec508 issues we may need to be aware of.

\*Begin looking for Ajax interactivity: Search box validation, result display slide/fade in.

6p

\* Sketched interface and interactivity.(see interface sheet)

\*How are we to rank the returns of the db?....

8p

\*RE: Show to rank search returns -> after thinking about, let's just rank them by date, newest first.

9-9:3-pm

\*Got home and scanned hand drawn pages. Will start dev 1st thing in the morning.

\*Est. Dev. schedule:

Friday 9-12: start interface design. approx 50% complete. Have articles in db.

-Friday is day with girlfriend. (Preplanned)

Sat: 9-12 Finish interface items and AJAX movements (using buttons as triggers).

Sat12-6 Code main search function and results listings.

Sat 6-12 Test - Break - Fix - Break - Fix - Test.

Sun:12-6 Code Articles page and 508c equiv pages.

Sun 6-12 Test - Break - Fix - Break - Fix - Test.

**Development Log**

Start Friday 10:45a

Selecting 5 articles to start with about ESRD. Creating db and inserting data.

End 12:00

All data but Regulation table completed. Regulations are for example only so it's not imperative we get them in.

Start 4p

Started on interface on Main Page

status 5:20

Almost for the Search page done. Styling near complete, form validation, and querysting insert is all go.

status 6pm

Styling done, menus done, adding auto suggest

status 7pm

Auto complete giving me some issues. Getting field validation and auto complete to work together on the same textbox...

status 7:30p

Nearing completion of 1st page, AJAX is working, finalizing style.

status 8:15p

Surprise..still working, hard than one might think to find an XML file with commonly used words (for the auto suggest)

-45mins for break time and technical issues over the last 4 hours.

**Sat.**

11a

started on results page styling.

status 1pm

Results page styling basically completed. moving onto the search engine part. Simple SQL 'Like' comparison.

2p

Search PHP basically done. a few bugs left but its functional.

4p

Styling of search results done, AJAX slide in preview done.

starting again 8p

starting on the 'preview' slider. It'll show the document in a preview window.

Preview window will have a prev/next buttons to go to each place the searched for term appears and highlight it.

11p

Had some issues with getting the preview slider top work right.

I think I just spent the last 2 hours on a problem because I didn't set the PHP variables before trying to pass them to JS into the slider panel...

-Nope, I was doing it right, but for some reason when I do innerHTML and load it with unformatted text from the db is will not do the slider...Looking for another method to do it..

-Yep, its innerHTML not linking line/arrange returns...fail...

Ending 12:30a

Got the querysting for both the search term and the document we are going to pull passing to the third page. The JA innerHTML was a pain. why did I have to go down to ASCII and remove characters? why would \n or \r not work? O well done for today.

Tomorrow: pull document into a iframe? or innerHTML area and highlight the search term.

Using prev/next buttons to skip through document to all the iterations of the searched for term.

and need to do the 508c for the search results and full page listings.

**Sunday:**

Started the Full document display page.

start 10a

Looking into getting the Spry slider to move bottom up rather than top down. Using this for the full document displaying will help differentiate it from the preview.

status 11a

Well ok, I tweaked some CSS on the results page. Found an oddity, the preview slider makes the header jump around. Need to look into this.

-11:40a

got the jumping fixed, now I have to restyle the preview slider to get the scrollbars working right.

status 12:20

fixed the preview slider and a footer style issue w/i IE.

12:30p

added format to download link, so we could use PDF,DOC,DOCX, etc to show what type it is.

status 12:30

break for breakfast, everything is 100% go for final page.

1:30p

Researching highlight functions. No need to re-invent the wheel...

2:45p

got the full article page loading the article files. Looking for the highlight script again...

Best Option: sehl 1.8.3 under the GPL lic.

3:30 pm break

start back up 5p

styling the SEHL results in the full article page.

6pm

Trying to get the Prev/Net battens to work on the article page...

\*dinner time.\*

7pm back at it. Working on the Prev/Next bttns of the full article page.

10pm

after trying for 3 hours to get a iteration script to work so I could click a link and go to each item it was evident I would not finish on time. disabling this feature.

11pm

Generated 508 pages.

**Limitations:**

Multiple words must be in order

Prev / Next on full artless do not work

The search page will highlight page content as well as the article content.

Auto suggest does not disappeared when the page is clicked on another place..

Load letter dictionary per letter of word. Browser chokes after 3 or 400 words in the XML list.

Auto suggest - arrows do not navigate

No Browser Checking. Browsers Tested on: IE8, FF3, Chrome.