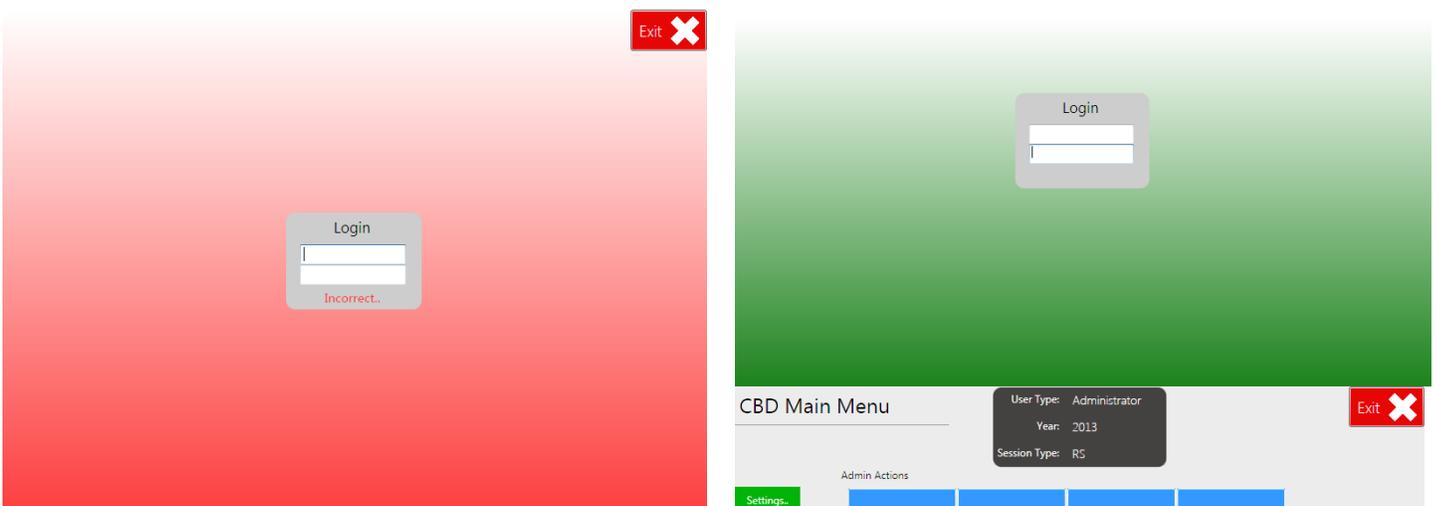
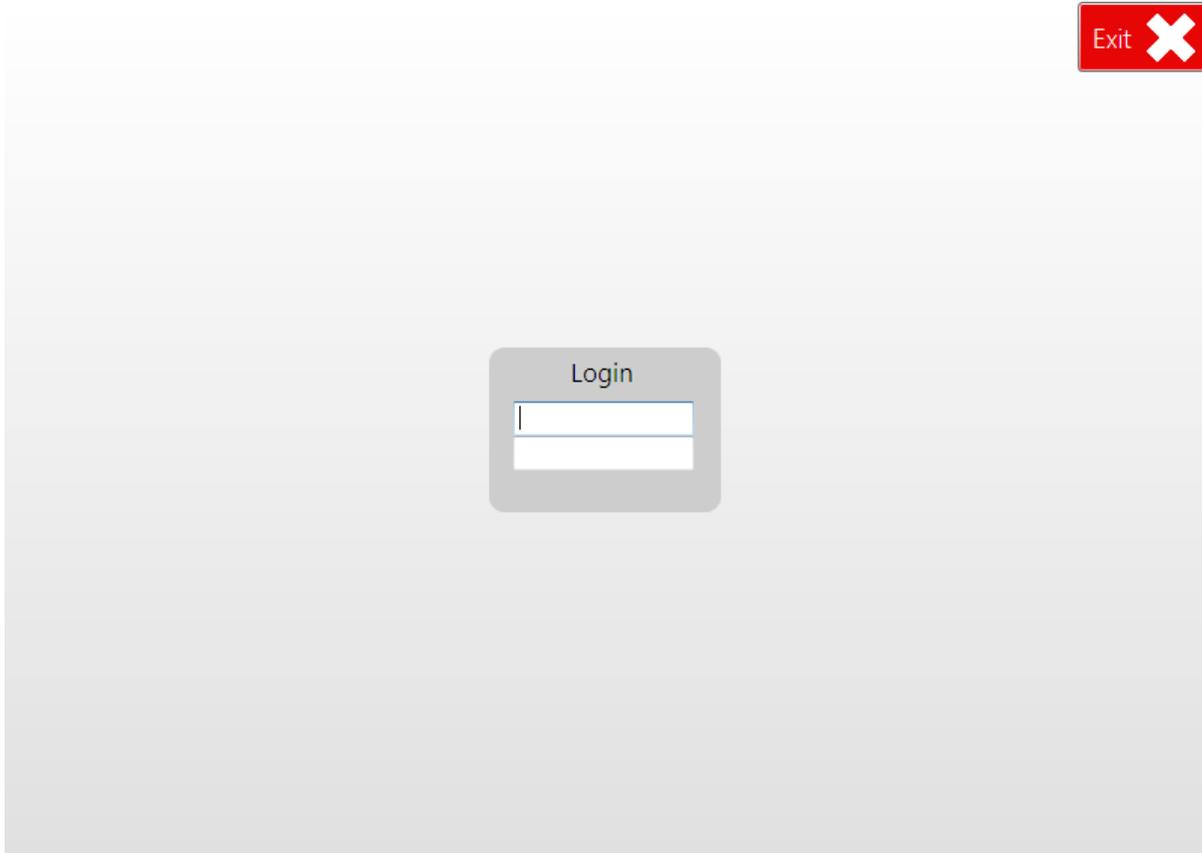


CBD (Central Bill Drafting) System Update

Gallery

WV
Legislature

1. The updated login screen



A failed login (left), and a successful login, with transition to hub (right)

2. The updated central hub

CBD Main Menu

User Type: Administrator
Year: 2013
Session Type: RS

Exit 

Admin Actions

Work Log	Search	Print Reports	Sponsor Email
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Class Actions

BDR Status	Work Log	Assigning	Drafter Work	Typing Work
Proofing Work	Proofing OK	Drafter OK	Supervisor OK	
		For Copying	For Submission	

Settings..

3. The updated Bill Status

Work Status

CBD No Year / Session Requested By

Chamber Date Rec'd Received By

Interim Agy Status Method

Bill No Reintro Pre Approved Drafter

Resolution C. Res Com Sub Previous CBD

Gov. Pkg. J. Res Amended

Fiscal Notes Received Date Requested Date

Fiscal

Subject

Special Notes

Purpose

Drafter's Notes

CBD NO	R	Status
3097	<input type="checkbox"/>	SUBMITTED
3098	<input checked="" type="checkbox"/>	SUBMITTED
3099	<input type="checkbox"/>	SUBMITTED
3100	<input type="checkbox"/>	SUBMITTED
3101	<input type="checkbox"/>	SUBMITTED

Associated Files

Name	Cha
Tom Azinger	H

Citation	Code T

Drafter	Drafter DT	Drafter	Drafted DT	Typed	Typed DT	Proofer	Proofed DT	OK: D:	OK:Drafter	OK:Su	OK:
OLS	4/12/2013	RO	4/12/2013	ma	4/12/2013	mb	4/12/2013				
						fg	4/12/2013	RO	4/12/2013	jrh	4/12/2013

4. The updated search screen

Search Criteria



CBD No. Special Notes

Drafter Status

Sponsor Options Citation

Purpose From: To:

Interim Bills Re-Intro Bills

Total Results: 2099

Sponsor Lookup

CBD No.	Drafter	Purpose
1001	FREE	REQUIRE INVESTIGATIONS INTO ELEVATOR ACCIDENTS
1002	Senators	RAISES TO TEACHERS, SERVICE PERSONNEL, STATE EMPLOYEES, HEALTH DEPARTMENT WORKERS, S
1003	FREEMAN	COUNTY COMMISSION APPROVAL OF LEGISLATURE SALARY INCREASES FOR ELECTED COUNTY OFF
1004	OLSEN	ADD MAGISTRATE TO MONONGALIA COUNTY
1005	CASE	IDENTITY THEFT
1006	CASE	CAPITAL PUNISHMENT FOR CERTAIN OFFENSES
1007	OLSEN	COST OF LIVING INCREASES FOR STATE EMPLOYEES
1008	OLSEN	COST OF LIVING ADJUSTMENTS BASED ON INFLATION FOR STATE EMPLOYEES
1009	OLSEN	STATE TAX MONIES TO CREATE STATE JOBS AND PROHIBIT CONTRACTS OR ECONOMIC DEVELOPN
1010	CASE	REMOVE STATUTE OF LIMITATION ON CHILD & SPOUSAL SUPPORT CASES
1011	ROBINSON	MODIFY AND ENFORCE CHILD SUPPORT, SPOUSAL AND MEDICAL SUPPORT
1012	FREEMAN	TEENAGE PARENT PROGRAM
1013	CASE	FEDERAL INTEREST INCOME FOR SENIORS EXCLUSION
1014	OLSEN	EQUAL AMOUNT OF TIME FOR EACH STUDENT FOR CERTAIN SCHOOL AREAS
1015	CASE	STATE AGENCIES TO PUT ANNUAL REPORTS ONLINE

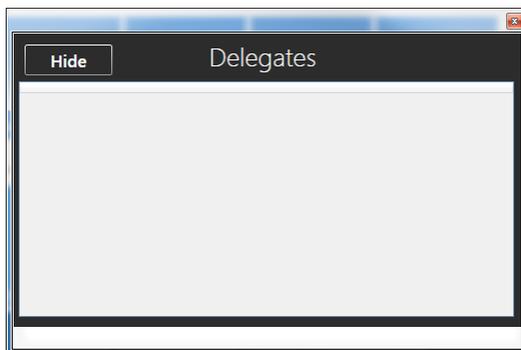
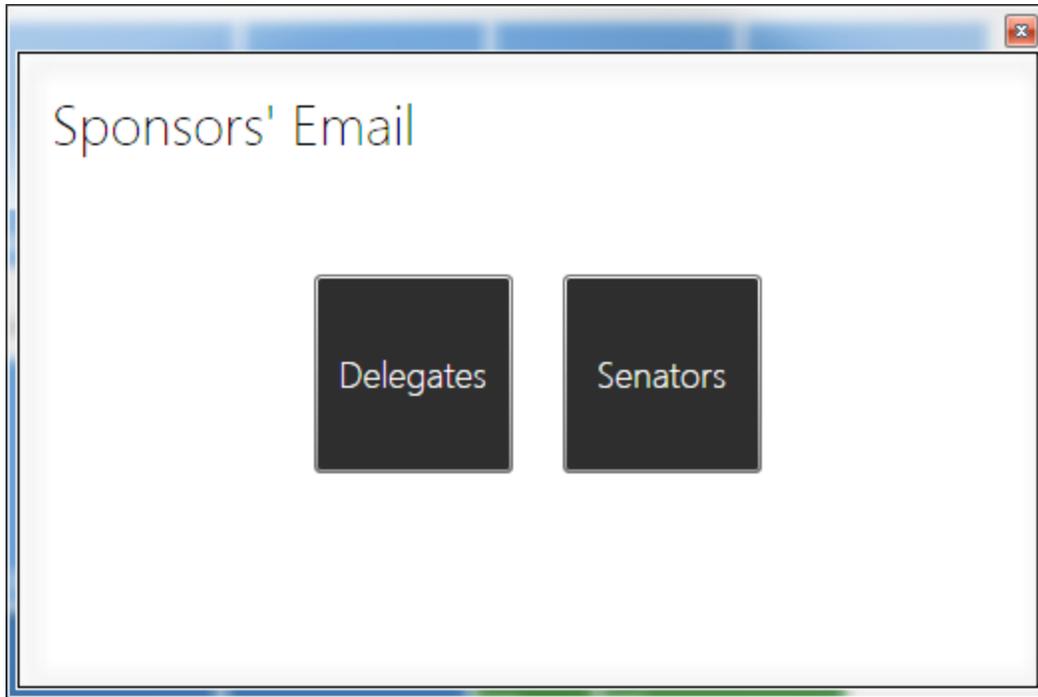
Help

Help

- Wildcards: '%'
- Wildcards: '_'
- Multiple Search Criterion

>> All search criteria can have multiple search terms; just separate them with a space ('A Banana Smoothie' becomes 'A', 'Banana', and 'Smoothie').

5. The updated sponsor page



Description

So that's as far as visuals have gone. It's obvious that it has been approached with a minimalistic design, so there's as little distraction as possible for the user.

Functionally, this update is done using C#, WPF, and Entity Framework; attempting to incorporate as many improvements as possible, in terms of usability and intuitiveness, as these technologies afford.

Benefits of the Update

GUI

One of the benefits of using WPF for this kind of application lie in the ability to use data binding in the GUI, so a lot of the code otherwise requisite to do most of the end-to-end data connections can be mostly bypassed. Data binding also allows for hierarchical distributions of the permutations of the GUI on a per-user, per-state basis, and allows the possibility of a semi-autonomous, yet finely differential, interface; provided the GUI is foundationally constructed to be controlled in such a way.

Entity Framework

With using Entity Framework to represent and interact with the database, this has allowed a transactional database interaction climate within the WV legislature intranet, as well as allowing the security protections of using the database through an intermediary data model, ultimately leading to a less congested and more secure data climate with the legislature.

Structural Re-design

In accordance with the ever-shifting requirements of the user base within the legislature, the program will now employ an entirely modular re-design; to allow for functions to be added or removed at the behest of said users. This foundational aspect of the project is key for allowing an infinitely scalable, or collapsable, scope of the project, and allows room for future expansion and refinement.

Drawbacks of the Update

Reporting

Updating, and replacing, the reporting infrastructure has been troublesome. As of yet, a replacement for the old reporting engine, in accordance with the new .NET framework, has not yet been discovered by the team working on this project, so this part of the project is still researching a viable technique.

Project Status

The update is currently approximately 50% complete. Project is expected to be completed by mid-December and put into production in the new year.

Contact Information

If you have any questions about the updated system, contact:

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