

MICHIGAN STATE
UNIVERSITY

Alpha Presentation

Food Safety Audits and Reports

[The Capstone Experience](#)

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Spring 2012



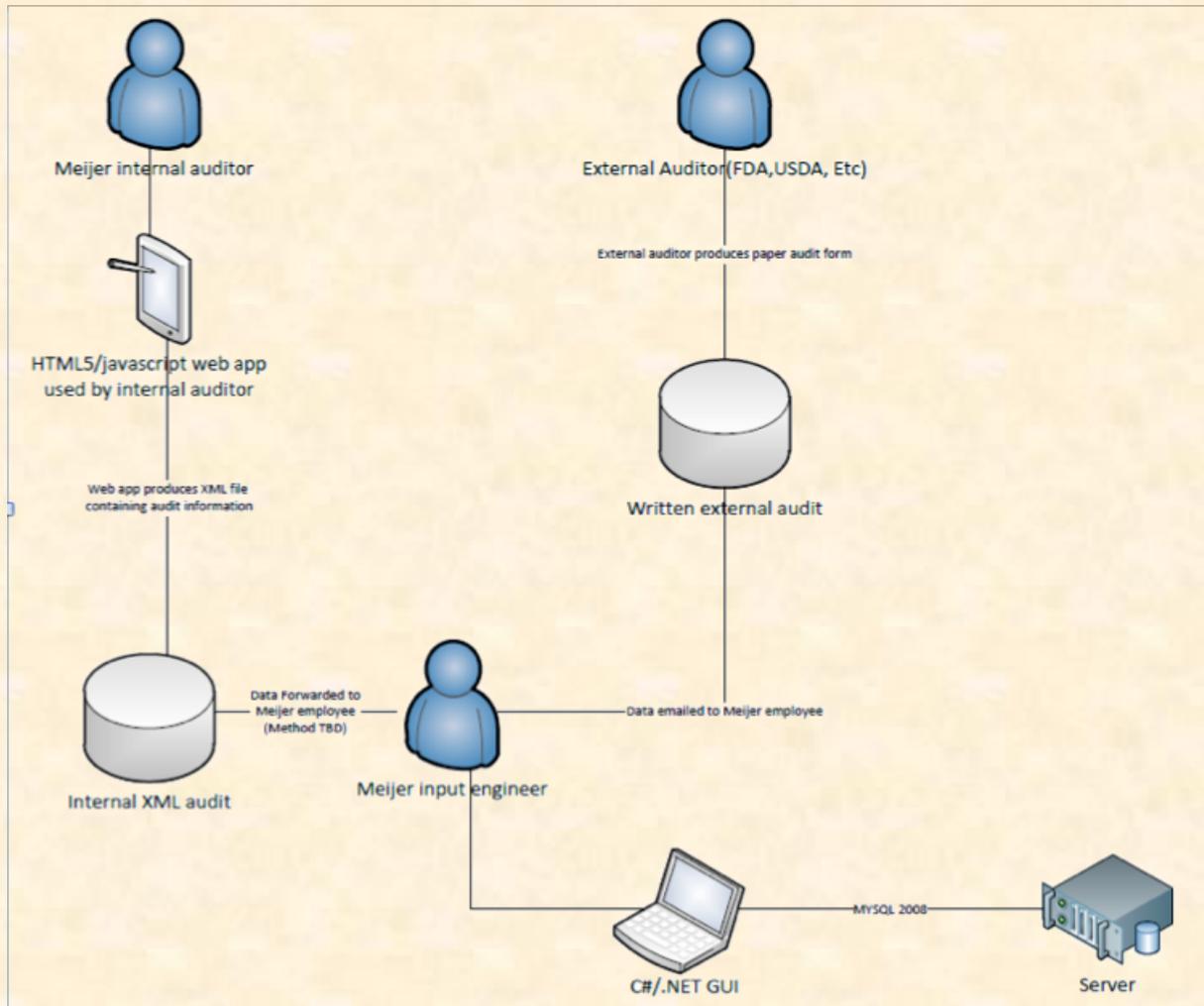
*From Students...
...to Professionals*

Project Overview

- Internal Audit Tablet Interface
- Audit Web Application
 - Internal XML Load/Review
 - External Manual Entry
- Visualized reports SQL SSRS



System Architecture



Splash Screen

Meijer Internal Audit Form

Audit Info

Store #

Assessment Type

Date

 Audit Info	 Produce	 Deli	 Meat	Seafood	Score
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Temperature Controls

Meijer Internal Audit Form

Produce

Cut Fruit	41
Fresh Room	41
Solid Wall	37
Other	43





SQL

The screenshot shows the Microsoft Access SQL View for a query named 'Query5: Query(meije...ejersql.violations)'. The query is based on the table '2005-AllUnitsWOCStop'. The SQL statement is:

```
SELECT UNITDESC
FROM [2005-AllUnitsWOCStop]
WHERE (UNIT = N'52')
```

The design grid below the SQL statement shows the following columns:

Column	Alias	Table	Output	Sort Type	Sort Order	Filter	Or...
UNITDESC		[2005-AllU...	<input checked="" type="checkbox"/>				
UNIT		[2005-AllU...	<input type="checkbox"/>			= N'52'	
			<input type="checkbox"/>				
			<input type="checkbox"/>				
			<input type="checkbox"/>				

The results grid at the bottom shows the following data:

UNITDESC
E. Lansing (MI)
NULL

The status bar at the bottom indicates '1 of 1' records.



Web Dashboard



REGULATORY INSPECTION

2/19/2012 8:52:17 PM

Region Title Inspection Agency State Departmen Total Violations
[Market](#) Title Inspection Agency Other Desc. Critical Violations 0
 Unit # Area of Inspection Non-Critical Violations
 Inspection Date Inspecton Type 30-Day Complaints

Critical Voilations/Complaints

Type		Deli	Food Service	Meat	Produce	Bakery	Seafood	Grocery	Gas Station	Vendor	Descriptions
<input type="checkbox"/> Temperature Control	Hot holding	✗	✗	✗	✗	✗	✗	✗	✗	✗	<input type="text"/>
<input type="checkbox"/> Cleaning/Sanitizing	Cleaning of food surface	✗	✗	✗	✗	✗	✗	✗	✗	✗	<input type="text"/>
<input type="checkbox"/> Pest Control	Birds	✗	✗	✗	✗	✗	✗	✗	✗	✗	<input type="text"/>
<input type="checkbox"/> Ingredient Labeling		✗	✗	✗	✗	✗	✗	✗	✗	✗	<input type="text"/>
<input type="checkbox"/> Food Safety Date/Rotation		✗	✗	✗	✗	✗	✗	✗	✗	✗	<input type="text"/>
<input type="checkbox"/> Hygiene	Hand washing	✗	✗	✗	✗	✗	✗	✗	✗	✗	<input type="text"/>
<input type="checkbox"/> Cross Contamination	Food handling	✗	✗	✗	✗	✗	✗	✗	✗	✗	<input type="text"/>
<input type="checkbox"/> Plumbing		✗	✗	✗	✗	✗	✗	✗	✗	✗	<input type="text"/>



Web Dashboard

Cool Inspection

Type	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Descriptions
<input type="checkbox"/> Fruits	<input type="text"/>															<input type="text" value="1"/>	<input type="text"/>
<input type="checkbox"/> Vegetables	<input type="text"/>															<input type="text" value="1"/>	<input type="text"/>
<input type="checkbox"/> Nuts	<input type="text"/>															<input type="text" value="1"/>	<input type="text"/>
<input type="checkbox"/> Fish and Shelfish	<input type="text"/>															<input type="text" value="1"/>	<input type="text"/>
<input type="checkbox"/> Beef and Veal	<input type="text"/>															<input type="text" value="1"/>	<input type="text"/>
<input type="checkbox"/> Hygiene	<input type="text"/>															<input type="text" value="1"/>	<input type="text"/>
<input type="checkbox"/> Pork	<input type="text"/>															<input type="text" value="1"/>	<input type="text"/>
<input type="checkbox"/> Chicken	<input type="text"/>															<input type="text" value="1"/>	<input type="text"/>
<input type="checkbox"/> Lamb and Goat	<input type="text"/>															<input type="text" value="1"/>	<input type="text"/>

NonCritical Descriptions

Seizure Descriptions

Sample Descriptions

Other Descriptions



What's left to do?

- Visualize Reports
- Finalize Tablet Interface
- Full XML Loading Support
- Client Feedback

