Introducing LassoFusebox

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Agenda

- Who Am I
- Who Uses LassoFusebox
- What is LassoFusebox
- Benefits
- Basics
- Quick Demo
- Technical Info
- Extended Topics
- Resources
- Q & A

Who am I

- Tami Williams
- President, Owner, Top Dog at Creative Computing (**asktami.com**)
- Lasso developer since version 2
- Teach Lasso classes
- Use LassoFusebox since 2005
- Webmaster at **LassoFusebox.org**
- Contribute to the open-source LassoFusebox core files

Sites that use Fusebox*

A google search for "fuseaction=" returns over 280,000,000 hits

- http://mccain.senate.gov/
- http://www.section508.gov/
- http://www.autobytel.com/
- http://www.ebags.com/
- http://www.csxi.com/
- http://www.csx.com/

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• **What is LassoFusebox**

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Lasso "Fusebox"

- the Lasso version of Fusebox 3
- Fusebox was originally created for Coldfusion
- Fusebox has been converted for use with PHP, JSP, ASPX and Lasso

A Methodology

- A web development specification
- A standardized development methodoloy
- A way to make your applications easier to create and maintain

Organize Your App

- A way to make team development easier
- A way to organize your code and structure your application
- A set of files ("fbx_") to handle the basics of your web application

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What I love

- Lassofusebox makes it easy to find specific code

Benefits:
Why use LassoFusebox

- Small units of independent code
- Can reuse components
- Separates logic from display
- Can divide your application into modules worked on independently by multiple developers

More Benefits

- Can run modules independently
  - without other portions of code being completed and without making changes to those other modules
- Can divide labor
  - Designers work on design
  - Database developers work on database
  - Lasso developers work on Lasso code

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How does Fusebox organize your code?

- Separate your web application into separate modules (called "circuits")
- Circuits are broken down into separate code files (called "fuses")
- Documentation, called a "fusedoc" is written in each fuse

Fusebox uses Fuseactions

- Replace fixed references with variables
- Use Exit Fuseactions (XFAs)
  - variables used to store instructions on how to move from one page to another
- Fuseactions are processed by the fbx_Switch.inc file

Sample XFA

```
<form name="people"
  action="http://127.0.0.1/index.lasso?fuseaction
  =ContactApp.update_Contact" method="post">
```

becomes

```
<form name="people" action="[$XFA_submit]"
  method="post">
```

LassoFusesbox Basics: Overview

- All requests go through "index.lasso"
- index.lasso?fuseaction=circuit.fuseaction
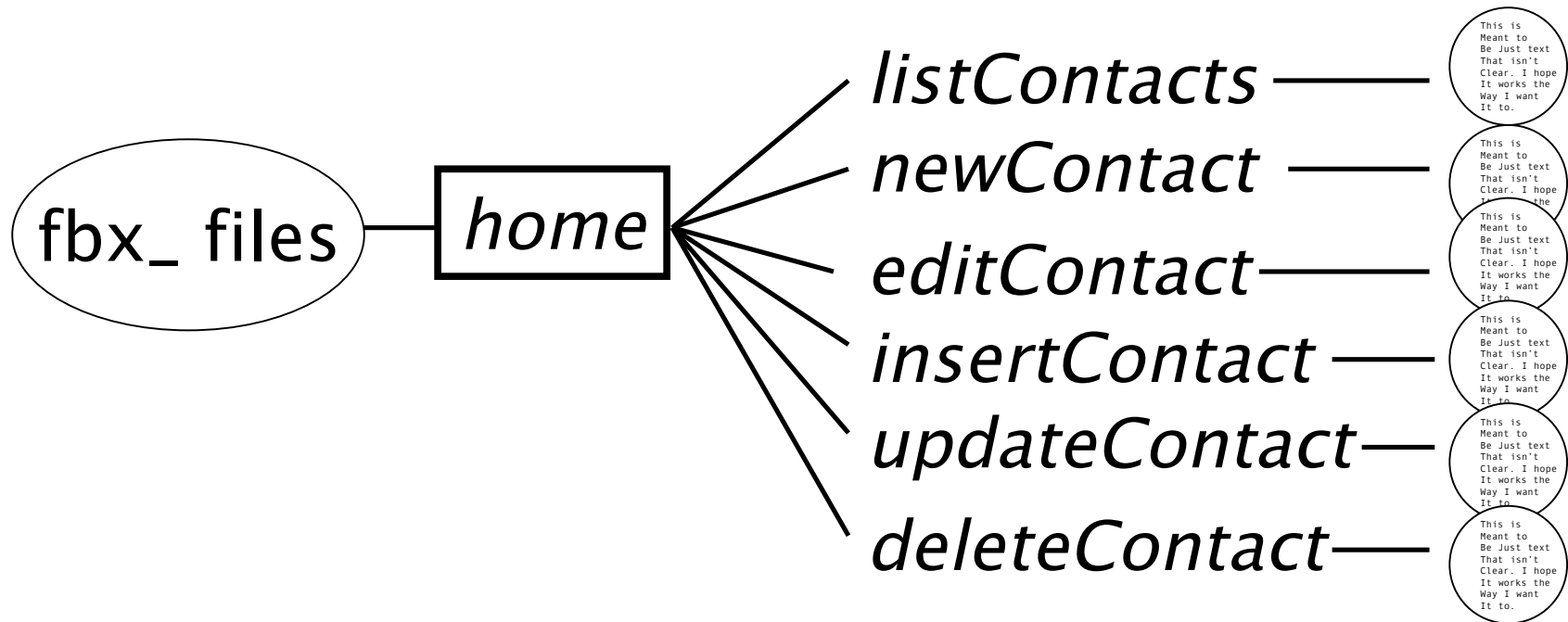- index.lasso includes the "fbx_Switch.inc" file, which processes the fuseactions

LassoFusesbox Basics:
Fuses and Layout Files

- Files are called "fuses":
  - **display** (dsp_)
  - **query** (qry_)
  - **logic**/**action** code (act_)
  - **validation** (val_)
  - **ajax** (ajax_)
  - **value list** (vl_)
  - **system** (fbx_)
- Layout files (lay_)

LassoFusebox Basics:
Circuits, Fuseactions, Fuses

fbx_ files — home

listContacts — (This is Meant to Be Just text That isn't Clear. I hope It works the Way I want It to.)

newContact — (This is Meant to Be Just text That isn't Clear. I hope It works the)

editContact — (This is Meant to Be Just text That isn't Clear. I hope It works the Way I want It to.)

insertContact — (This is Meant to Be Just text That isn't Clear. I hope It works the Way I want It to.)

updateContact — (This is Meant to Be Just text That isn't Clear. I hope It works the Way I want It to.)

deleteContact — (This is Meant to Be Just text That isn't Clear. I hope It works the Way I want It to.)

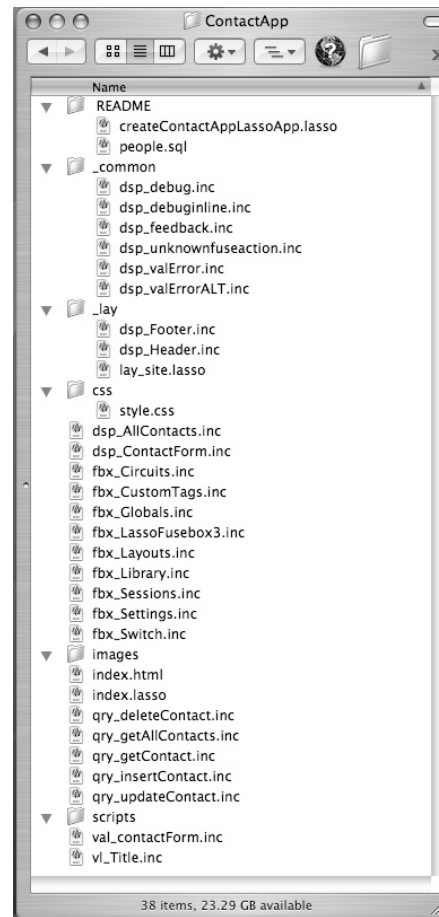**Root**   **Circuit**   **Fuseactions**   **Fuses**

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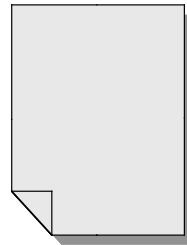- Technical Info
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Quick Demo

ContactApp

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LassoFusebox Technical:
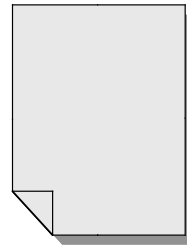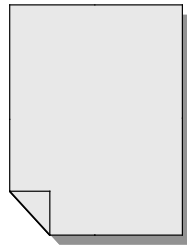# File Organization

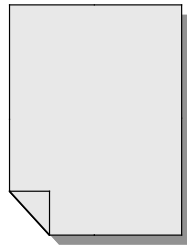# LassoFusebox Technical: fbx_Switch.inc

Demo

ContactApp fbx_Switch.inc

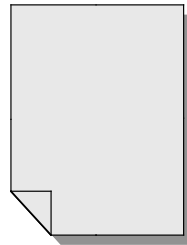# LassoFusebox Technical: Fuses

Demo

Display, Query and Value List
fuses from ContactApp

LassoFusebox Technical: Fusedocs

Demo

Fusedoc from

ContactApp/dsp_ContactForm.inc

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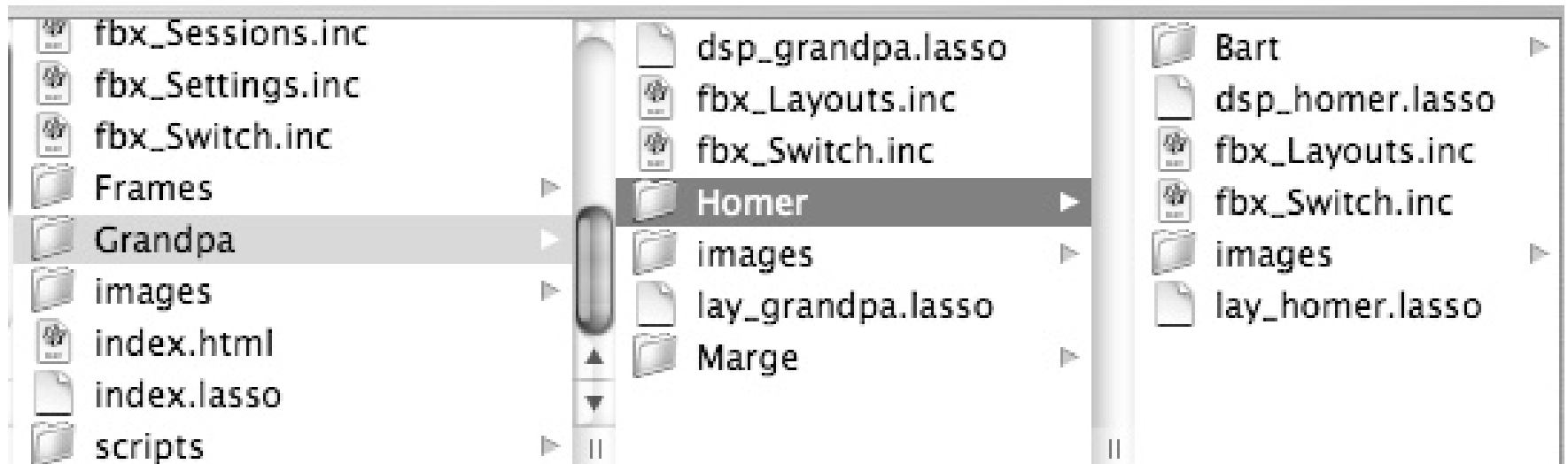- **Extended Topics**
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Extended Topics

- ## Nested Layouts
  - Each circuit can have its own page template that's either included inside of the site's page template OR run alone
- ## Nested Circuits
  - Each subdirectory can have its own subdirectories

Nested Circuits Folders

Nested Circuits Demo

SimpsonFamily, NestedApp

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Resources

- Free files and resources available at **www.LassoFusebox.org** (aka LassoFusebox.com, LassoFusebox.info, and LassoFusebox.net)
- Fusebox.org
- Google "fusebox"

Questions and Answers