

LassoFusebox

Agenda

- Who Am I
- Who Uses Fusebox?
- What is LassoFusebox?
- What can LassoFusebox do for me?
- Why should I use it?
- How does it work?
- Nesting
- Summary
- Resources, Q & A



Who am I

- Tami Williams, Developer, Trainer, CEO at Creative Computing
- Lasso developer since version 2
- Teach Lasso classes
- Use LassoFusebox since 2003
- www.LassoFusebox.org
- www.asktami.com
- [@asktami](https://twitter.com/asktami)



Who uses it?

Who uses Fusebox?

A 2012 google search for “fuseaction” returns over 141,000,000 hits

- <http://www.roomstogo.com>
- <http://mccain.senate.gov>
- <http://www.section508.gov>
- <http://www.energystar.gov>
- <http://www.calmuseums.org>



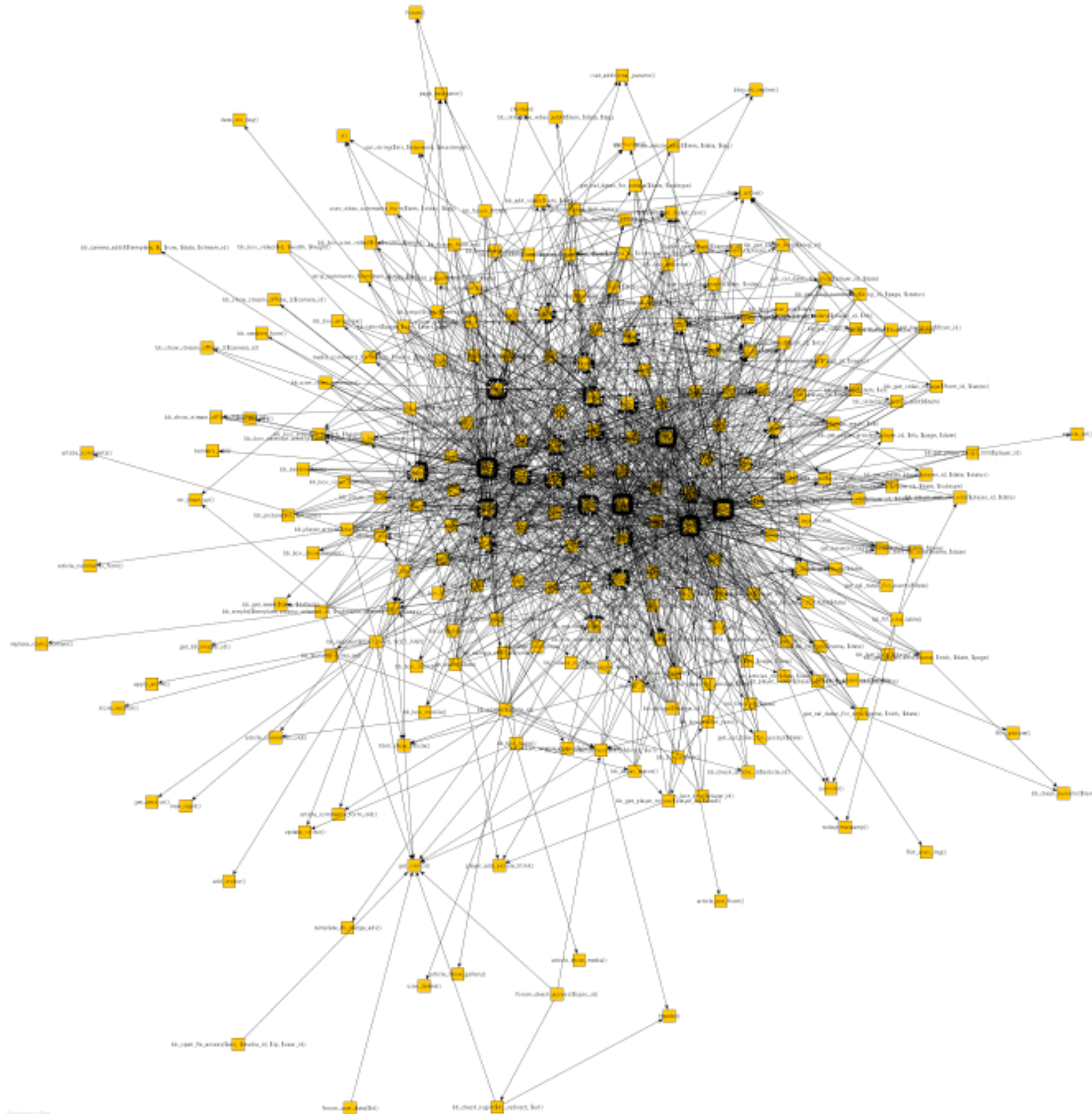
What is it?

What is it?

- A way to organize code and files
- A methodology for programming (FLiP – Fusebox Lifecycle Process)
- A set of core files to handle the basics of your web application
- Originally created for Coldfusion
- Converted for use with PHP, JSP, ASPX and Lasso



*What will it
do for me?*



Perro spaghetti



What'll it do for me?

- Standardize your code
- Make your code easier to read and understand
- Make your apps cheaper/easier to maintain
- Help you pick up others code faster
- Help you make fewer bugs due to different styles



*Why should I
use it?*

Why should I use it?

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



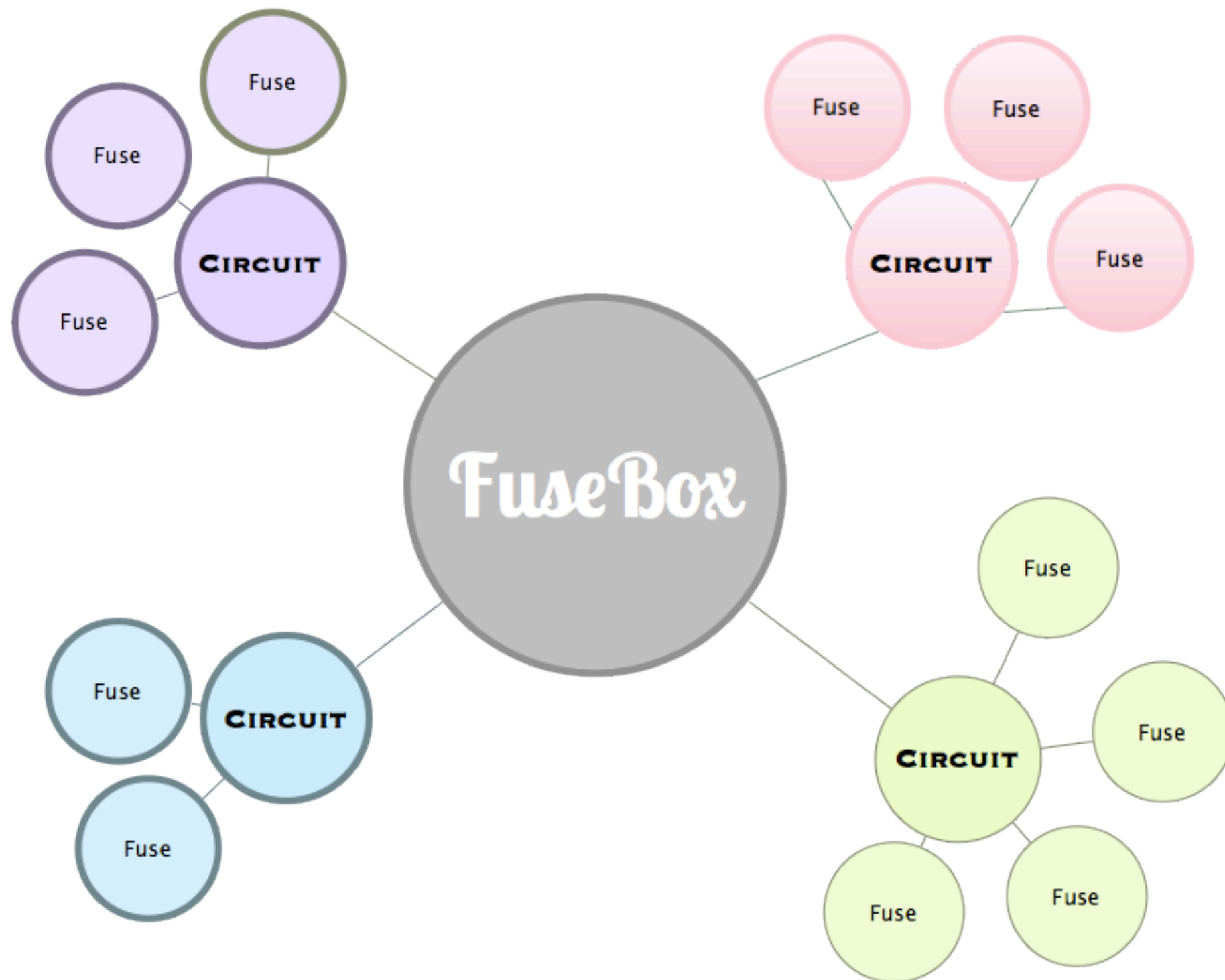
More Benefits

- 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



*How does it
work?*

How does it work?



Really, how?

A request to perform a fuseaction looks like this:

**`http://127.0.0.1/index.lasso?
fuseaction=ContactApp.list_Contacts`**



Basics

- All requests go through “index.lasso”
- `http://127.0.0.1/index.lasso?`
`fuseaction=circuit.fuseaction`
- index.lasso includes the
“fbx_Switch.inc” file, which processes
the fuseactions



Fuses

- Code files are called “fuses”:
 - **display** (dsp_)
 - **query** (qry_)
 - **action** (act)
 - **logic/action** code (act_)
 - **system** (fbx_)



Custom Fuses

- These are not official Fusebox prefixes:
 - **email body** (bod_)
 - **form** (frm_)
 - **validation** (val_)
 - **value list** (vl_)
 - **layout** (lay_)
 - **ajax** (ajax_)
 - **jq** (jq_)



Exit Fuseactions

- Replace fixed references with variables called “**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

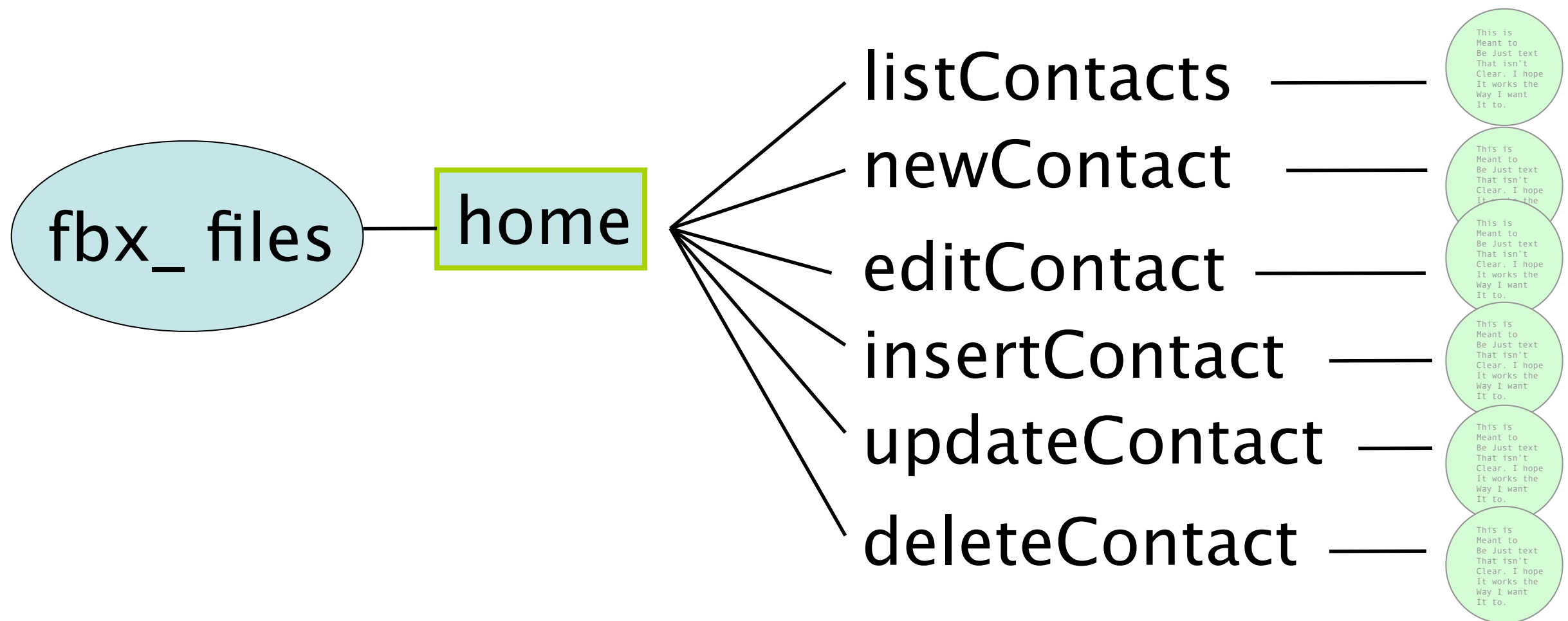
```
<form name="people"  
action="http://127.0.0.1/index.lasso?  
fuseaction=ContactApp.update_Contact"  
method="post">
```

becomes

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



Circuits, XFAs, Fuses



Root

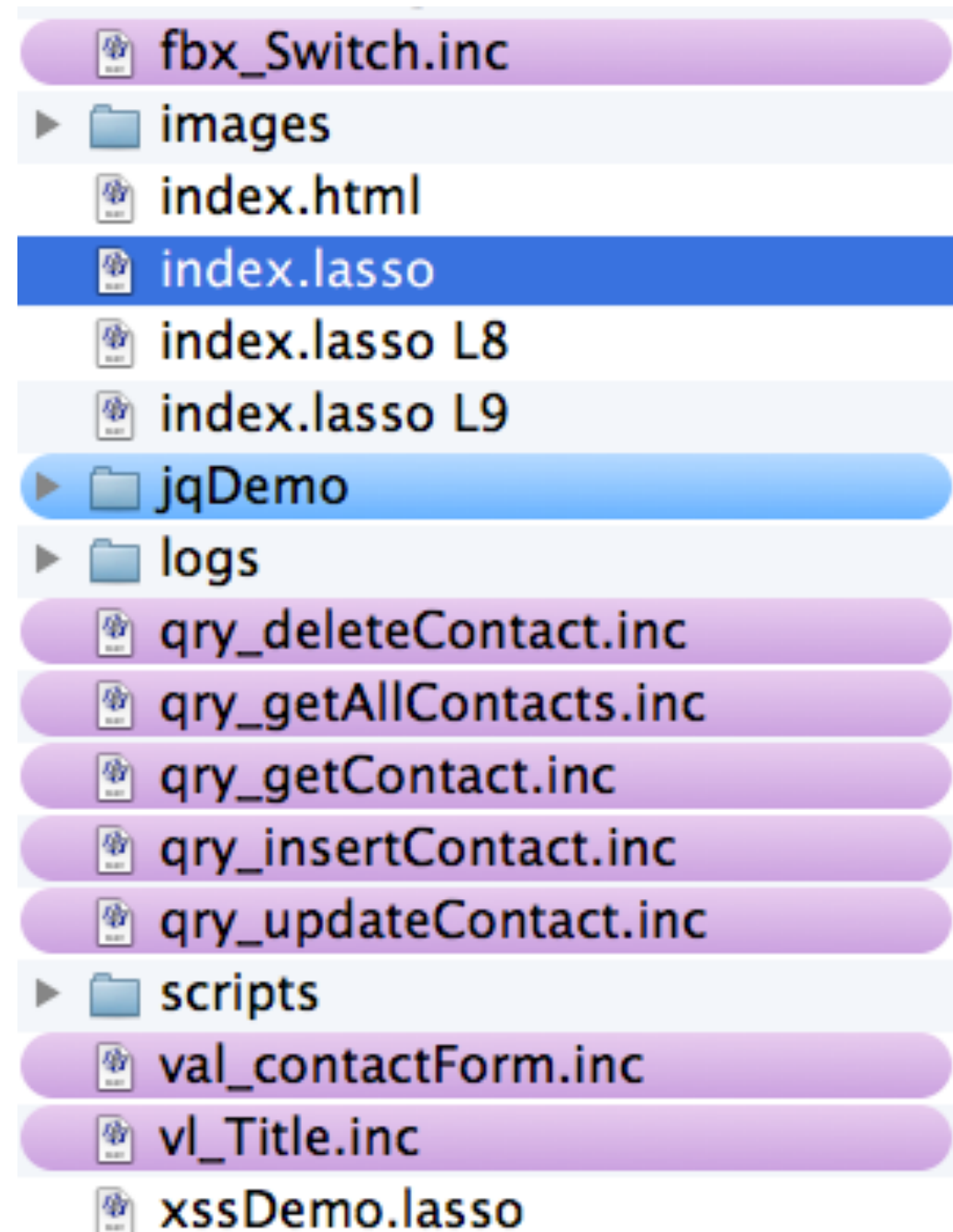
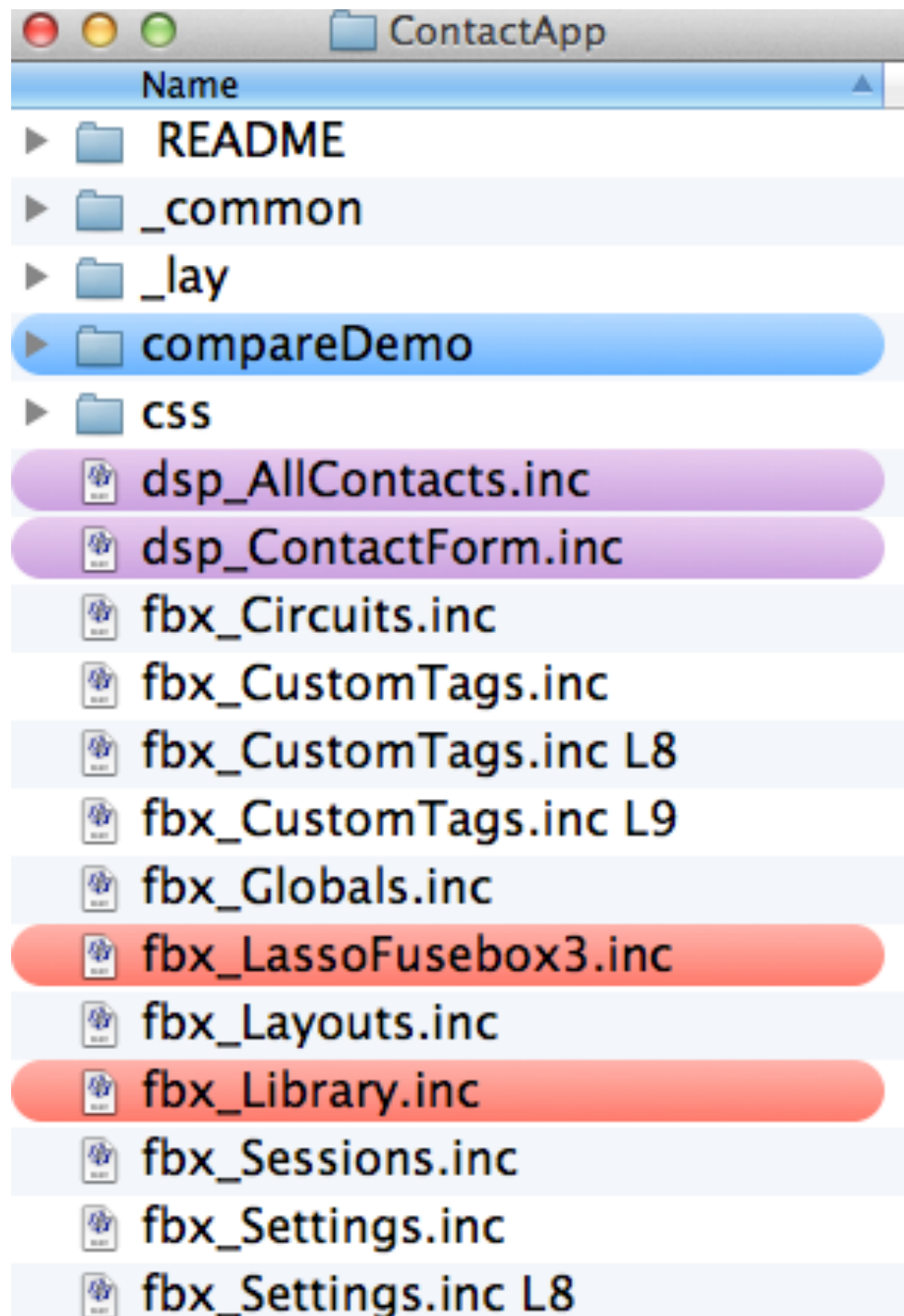
Circuit

XFAs

Fuses



Application Folder



fbx_Circuits.inc

```
$_Circuits->Insert('ContactApp'='ContactApp');
```

```
$_Circuits->Insert('compare' = 'ContactApp/  
compareDemo');
```

```
//jq - for jquery nested COMPARE items form  
$_Circuits->Insert('jq' = 'ContactApp/jqDemo');
```



XFAs

```
FBX_Param(-Name='XFA_home', -  
Default= $self +  
'ContactApp.list_Contacts');
```

```
FBX_Param(-Name='XFA_Compare', -  
Default= $self + 'jq.compare');
```



fbx_Switch.inc

Select(\$fuseaction);

...

Case('list_Contacts');

FBX_Include('qry_getAllContacts.inc');

Var('XFA_editContact' = \$self + 'ContactApp.edit_Contact');

Var('XFA_deleteContact' = \$self + 'ContactApp.delete_Contact');

Var('XFA_newContact' = \$self + 'ContactApp.new_Contact');

FBX_Include('dsp_AllContacts.inc');



Nesting

- 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



*Can I see it
in action?*

Summary

- Focus on tasks unique to a given project rather than reinventing the wheel each time around
- Get things done much faster
- Continuity across sites
- Standard way of doing things
- Flexible and maintainable



*Where can I
find out more?*



Fusebox:

Developing ColdFusion® Applications

New
Riders

Jeff Peters
Nat Papovich
Foreword by Hal Helms



Resources

Free files and resources available at:

- www.LassoFusebox.org
(aka LassoFusebox.com, LassoFusebox.info, and LassoFusebox.net)
- www.asktami.com
- [twitter: @asktami](https://twitter.com/asktami)
- Fusebox.org



Any Questions?

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