

# ContentBox Workshop at ITB Houston, Texas - 2017

## Rough Schedule

9-12 workshop

12-1 lunch

1-3 workshop

3-3:30 break

3:30-5 (30) workshop

dinner 6pm

## Introduction - 30 mins

## Agenda

- Introduction - 30 mins
- ContentBox Installation - 30 mins
- Break 10 mins
- Developing ContentBox Themes - 90 mins
- Lunch - 60 mins
- Developing ContentBox Modules and Widgets - 90 mins
- Break 10 mins
- Converting Legacy Code into ContentBox - 120-150 mins

## Who are We?

- Gavin Pickin
- Esmeralda Acevedo

## What is ContentBox?

- CMS
- Ideal Target Customers
- History
- Roadmap

## Walk through ContentBox

- Admin
- Front End
- Options
- Themes
- Modules
- ForgeBox

## Discuss Example Project - CArehart.org

- What is it
- What is it running on
- Key features
- Plan of Attack

## ContentBox Installation - 30 mins

### Pre-requisites

- Install CommandBox
- Install MySQL

### Installing ContentBox with CommandBox

- Run install command
- Start a server
- Add Datasource to CommandBox's Lucee Administration
- Verify Datasource
- Walk through Install Screens

### Walkthrough Fresh Install ContentBox

- What does the site first look like
- What theme is installed by default
- Options and Settings



# Developing ContentBox Themes - 90 mins

Once you install a CMS, you'll want to customize the site's look and feel to match your vision. You do this with Themes.

## Customizing Default Theme via Theme Settings

- Colors
- Header
- Footer
- Homepage
- Sidebar
- Global HTML

## Installing Additional Themes

- ForgeBox
- CommandBox
- Copy and Paste

## Customizing Themes via Code

- Overriding Layouts
- Overriding Templates
- Overriding Views
- Overriding Stylesheets

## Creating a New Theme

- Folder Structure
- Theme Settings
- Advanced Theme Settings
- Bower / Grunt / Builds
- Download a free Theme and make it work

# Developing ContentBox Modules and Widgets - 90 mins

## Developing ContentBox Widgets

- What is a Widget
- Widget Locations
- Widget Config
- Widget Functions
- Widget Form Builder
- Inserting Widgets

## Developing ContentBox Modules

- Discuss ColdBox Modules vs ContentBox Modules
- Key Components of a Module
- Ways to Generate a Module
- Discuss Admin Modules vs Front end Modules
- Generate a Module
- Create a Widget
- Have Widget his Module Handler and View

# Converting Legacy Code into ContentBox 150 mins

Look at CArehart's Site as our project, to convert Legacy code into ContentBox.

We will look at the stages involved in migrating code from a Legacy site, into you ContentBox site, and the points to evaluate along the way.

## Look at Legacy Code

- Look at some of CArehart.org's Legacy Code
- Discuss an approach to Migrate it
- Identify Shared Code
- Discuss Layouts

## Create your Legacy Module

- Create a module to hold your legacy code
- Setup the routes for your content for easy transition.

## Convert to View only

- Create a view for a page
- Test the URL works
- Migrate legacy code into that view
- Test functionality of that code

## Convert to MVC

- Discuss the benefits of Handlers in the MVC world
- Extract handler Code from the Views
- Look at Pre Handler, Around Handler

## Models - Services and DAO

- Discuss the Possible Service Objects
- Identify DAO objects
- Create Service Object, inject into Handler
- Create DAO Object, inject into Service Object



