

A Website for

E. Baton Rouge Council on Aging

# Problem

Jeremy, the public relations director of EBRCOA, began working on a site. Unfortunately, managing all of a site's content and functionality through Dreamweaver can be tedious.

East Baton Rouge Council on Aging

Saturday October 3, 2009



[Main](#) [Services](#) [Programs](#) [Senior Olympics](#) [Event Calendar](#) [Lunch Menu](#) [Resources](#) [How Can I Help?](#) [Contact](#)

**EBRCOA:**

The mission of the East Baton Rouge Council on the Aging, Inc., is to serve the elderly in East Baton Rouge Parish, to enrich and enhance their quality of life through advocacy efforts, creative planning and coordination and provision of needed services, and to make it possible for them to live independent lives as long as possible.



**Welcome!**

We are updating our site to provide the best information possible, so many of the links are under construction. In the meantime, please contact us at:

**225-923-8000**

**5790 Florida Blvd**  
**Baton Rouge, LA 70806**

---

**Greater Baton Rouge Senior Olympics**  
**[Info & Registration Packet \(click to view\)](#)**

---

**Departments:**

Information and Assistance	<a href="mailto:staylor@ebrcoa.org">staylor@ebrcoa.org</a>
Quality Control Q & A	<a href="mailto:ptaylor@ebrcoa.org">ptaylor@ebrcoa.org</a>
Executive Director	<a href="mailto:johnnyd@ebrcoa.org">johnnyd@ebrcoa.org</a>
Accounting/Asst. Director	<a href="mailto:ptaylor@ebrcoa.org">ptaylor@ebrcoa.org</a>
Platinum Record	<a href="mailto:jeremyt@ebrcoa.org">jeremyt@ebrcoa.org</a>
Senior Olympics	<a href="mailto:christys@ebrcoa.org">christys@ebrcoa.org</a>
Services	<a href="mailto:scook@ebrcoa.org">scook@ebrcoa.org</a>
Programs/Senior Centers	<a href="mailto:christys@ebrcoa.org">christys@ebrcoa.org</a>
Computer Classes	<a href="mailto:mcrenshaw@ebrcoa.org">mcrenshaw@ebrcoa.org</a>
Project Care/Cox Assistance	<a href="mailto:staylor@ebrcoa.org">staylor@ebrcoa.org</a>
RSVP	<a href="mailto:mgoins@ebrcoa.org">mgoins@ebrcoa.org</a>
Marketing Dept.	<a href="mailto:christys@ebrcoa.org">christys@ebrcoa.org</a>

**Need Help For A Senior?**

Call our Information and Assistance Department to discuss programs and services available, (225) 923-8000, or [Contact us...](#)



**Senior Olympics**

The 2009 Senior Olympic Games begin soon. Check this [link](#) for information, or contact Christy Sternitzky, (225) 923-8000./

# Requirements

- Provide an easy way to manage simple pages (stored as html)
  - Used for Home Page, Resources, etc.
- Online registration form for the Senior Olympics.
  - Calculate cost and accept Paypal or Check for payment
  - Notify Jeremy or appropriate person of the registration.
  - Groups registrants by age in increments of 5 and output in a table.
- Calendar Management
  - Events with a title, start date, optional end date, and description may be inserted.
  - Output events in a list or in a table.
- Help documents

# Solution

For our Web Application Framework, we chose Drupal.

Drupal is a system for building and customizing a website, proven in its stability and ease of use. Its modular design encourages extensibility, allowing non-technical users to update website content and add features with relative ease.

For EBRCOA, Drupal is a win-win option:

- developers can focus their efforts on main features.
- customization tools come built-in to each module (but still need to be configured.)

At the end of the semester, we know EBRCOA will have a website that is stable and easy to update.

# Drupal Hook System

Drupal's module system is based on the concept of "hooks".

A hook is a PHP function. Let's say there is a hook named `foo_bar()`

- "foo" is the name of the module. In this case its file name is `foo.module`
- "bar" is the name of the hook. Each hook has a defined set of parameters and a specified result type.

To extend Drupal, a module simply needs implement a hook. When Drupal wishes to allow intervention from modules, it determines which modules implement a hook and call that hook in all enabled modules that implement it.

# Drupal Form API

In Drupal, forms are represented abstractly as arrays which provides for interoperability. Drupal generates the form HTML using a theme.

```
$form['foo'] = array(  
  '#type' => 'textfield',  
  '#title' => t('bar'),  
  '#default_value' => $object['foo'],  
  '#size' => 60,  
  '#maxlength' => 64,  
  '#description' => t('baz'),  
);
```

