

FantomCMS User Documentation

Developed by: Honey Badgers Inc.*

Table of Contents

1. Overview
2. System Requirements
3. Quick Start Guide
4. Apps
 - a) Pages
 - b) Users
 - c) Themes
 - d) Layouts
 - e) Settings
 - f) Gallery
 - g) Uploader
5. Licenses
 - a) Fantom
 - b) Icons
 - c) afMongo and afBson
 - d) imgscalr
 - e) jBCrypt
 - f) Javascript Crypto Library

1. Overview

FantomCMS is a content management system that allows users to organize, modify, and publish content for websites. The system is coded with Fantom and features a modular design that makes FantomCMS a robust and flexible solution for both its users and developers.

2. System Requirements

- Java 1.7
- MongoDB 2.6.5
- HTML 5 compatible web browser
 - Any modern version of Chrome or Firefox works great.

3. Quick Start Guide

1. Download the latest build from www.github.com/HoneyBadgersInc/FantomCMS
2. Run the executable *fcms* (located in [FantomCMS root folder]/bin/)
3. Go to the following web address in a browser: <http://localhost:8080>

4. Apps

FantomCMS supports modular programs called apps. These apps are installed and utilized at the discretion of the user, allowing users more control and options for their content while offering visitors more varied and unique web experiences.

a) Pages

OVERVIEW

Pages allows users to create a static pages to display to site visitors.

USAGE

- Pages can be generated by inputting an entry into the database with following JSON format:

```
{
  "data" : "text", // Fantom serialization of the data to display
  "title" : "text", // Title of page
  "uri" : "text"   // URI of page
}
```

- The main content of the page is stored as serialized Fantom code which is put into the “data” field of the database
- One can navigate to a page by navigating to [base url]/app/pages/[URI]
- By default, the pages app will display a page with a URI of 'index'

b) Users

OVERVIEW

Users provides a way for users to manage site visitor/manager permissions throughout the site. These permissions control what site visitors/managers have access to.

USAGE

- Showcases all users in the database and their user details
- Can edit permissions of user groups to control access to individual apps

c) Themes

OVERVIEW

Themes allows users to control the general look and feel of their site.

USAGE

- To create a new theme, click on the “New” button.
- To select an existing theme, click one of the themes listed on the lefthand side under “Installed Themes”
- To modify the color of either the background (bg), font color (fg), or font face (font), click the color or + symbol and edit the serialized Fantom code.

For example, if you are editing the background color for “window”, you would click on the respective bg cell and see the following serialized code

```
gfx::Color("#FFFFFF")
```

To change the background color to red, you would input the appropriate hex color as so:

```
gfx::Color("#FF0000")
```

- Assign a theme with a layout in the “Layout” dropdown menu.
- Depending on the layout, you can modify the colors of specific regions. Generally these regions are “window”, “header”, and “footer”. To edit these regions type in the region name into the “Style” field and click on the + button.

d) Layouts

OVERVIEW

Layouts allows the user to edit the general layout, or positioning of content, on their site.

USAGE

- Select an existing layout from the left-hand sidebar labeled “Installed Layouts”, or create a new layout by pressing the “New” button.
- Control the layout by inputting serialized Fantom code into the “Top”, “Bottom”, “Left”, and “Right” fields. Here is an example of serialized Fantom code:

```
fui::ThemedBorderPane {
  bgStyle="header"
  fui::ThemedBorderPane {
    bgStyle="headerTop"
    border=gfx::Border("0,0,3 outset #444444")
    insets=gfx::Insets("10")
    fwd::EdgePane {
      left=fui::AppDrawerButton{}
      right=fwd::ConstraintPane{ minw=50; fwd::ContentPane{}, }
      center=fwd::GridPane {
        halignPane=gfx::Halign("center")
        valignPane=gfx::Valign("center")
        fui::GotoButton {
          border=gfx::Border("0"); insets=gfx::Insets("0")
          bg=null; bgPressed=null
          innerShadow=null; innerShadowPressed=null; dropShadow=null
          uri=`fui://app/home`
          fui::titleLabel{ fontStyle="header"; fgStyle="header" },
        },
      },
    },
  },
}
```

- Delete the layout by pressing the “Delete” button.
- Set the default layout for themes by clicking the “Set Default” button.

e) Settings

OVERVIEW

Settings is allows the user to modify elements in the server and database configuration options.

USAGE

- Click on the respective item you wish to change.
- Under database, there are the following options:
 - Host The address of the database server
 - Port The port number of the database
 - Username The username used to log onto the database
 - Password The password for the respective username
 - Database The name of the database to use
- Under server, there are the following options:
 - Port The port number the web server should be listening for requests on (default is 8080)
 - Server Title The title of the web server that shows up on webpage titles
- After changes are made, click apply to save changes.

f) Gallery

OVERVIEW

Gallery is the gallery extension for the FantomCMS. It allows users to view images hosted on the webserver's database in grid or full view, as well as add and sort images by tags.

USAGE

- Upload images using uploader (see Uploader documentation).
- Under grid view:
 - Images should be laid out in a grid pattern, click image to see full sized version.
- Under full view:
 - Individual image is shown on screen, click button to go back and forth between images.

g) Uploader

OVERVIEW

Uploader is the extension for FantomCMS that uploads files to the server.

USAGE

- Use the Upload interface to upload files to the server.
- Files must be either an image or audio file type.

5. Licenses

a) Fantom

Licensed under the Academic Free License ("AFL") v. 3.0

<http://opensource.org/licenses/AFL-3.0>

b) Icons

Licensed by icons8 under Creative Commons Attribution-NoDerivs 3.0 Unported (CC BY-ND 3.0) License

<https://creativecommons.org/licenses/by-nd/3.0>

c) afMongo and afBson

Licensed under the MIT License

<http://opensource.org/licenses/MIT>

d) imgscalr

Licensed by The Buzz Media under Apache v2

<http://www.apache.org/licenses/LICENSE-2.0>

e) jBCrypt

```
/*
 * Copyright (c) 2006 Damien Miller <djm@mindrot.org>
 *
 * Permission to use, copy, modify, and distribute this software for any
 * purpose with or without fee is hereby granted, provided that the above
 * copyright notice and this permission notice appear in all copies.
 *
 * THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES
 * WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF
 * MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR
 * ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
 * WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN
 * ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF
 * OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.
 */
```

f) Javascript Crypto Library

Copyright (c) 2014, Clipperz Srl All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.