FantomCMS User Documentation
Developed by: Honey Badgers Inc.*

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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

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/fcms`)
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" : ,          // Fantom serialization of the data to display
    "title" : , // Title of page
    "uri" :             // 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"
 border=gfx::Border("0,0,3 outset #444444")
 insets=gfx::Insets("10,10,0,10")
 fwt::ConstraintPane {
  minh = 85
  fwt::EdgePane{
```

```
     center=fwt::ContentPane {
   fui::InlineNode {
     styles=["text-align":"center","display":"block"]
     fui::InlineLink {
       fontStyle="header"
       fgStyle="header"
       styles=["text-decoration":"none"]
       uri=`fui://app/home`
       fui::InlineText("JeremyCriquet.com"),
     },
   },
 }
   bottom=webfwt::FlowPane {
  fui::GotoButton { border= gfx::Border("0"); bg=null; bgPressed=null;
innerShadow=null; innerShadowPressed=null; insets=gfx::Insets("0");
uri=`fui://app/home/`; fwt::Tab { text="Home" }, },
    fui::GotoButton { border= gfx::Border("0"); bg=null; bgPressed=null;
innerShadow=null; innerShadowPressed=null; insets=gfx::Insets("0");
uri=`fui://app/home/`; fwt::Tab { text="About" }, },
    fui::GotoButton { border= gfx::Border("0"); bg=null; bgPressed=null;
innerShadow=null; innerShadowPressed=null; insets=gfx::Insets("0");
uri=`fui://app/home/`; fwt::Tab { text="Resume" }, },
    fui::GotoButton { border= gfx::Border("0"); bg=null; bgPressed=null;
innerShadow=null; innerShadowPressed=null; insets=gfx::Insets("0");
uri=`fui://app/home/`; fwt::Tab { text="Contact" }, },
}
   },
 },
}
```

- Delete the layout by pressing the "Delete" button.
- Set the default layout of the website 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
  - Server Title   The title of the web server that shows up on tab 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.

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b) Icons

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c) afMongo and afBson

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d) imgscalr

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e) jBCrypt

```
  */
```

f) Javascript Crypto Library