

# Joomla

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Examples at: <http://joomla.jmusmad.org>

## ----- 1AND1.COM NOTES -----

1). Cannot use the 1and1.com “click & Build” application because it won’t allow you to change file permissions, which is necessary to install and change templates. Therefore, you must do a manual install. (See directions below in “Setup & Installation.”)

2). Some extensions require PHP 5. To check this, create a file called **test.php** and put in the following code:

```
<?php
phpinfo();
?>
```

- Upload test.php to the server and check it in a browser.

- The version will appear at the top (i.e. 4.4.9).
- By default, 1and1.com runs PHP4.

- To change to PHP 5, put the following at the top of the **htaccess.txt** file and rename it **.htaccess**

```
AddType x-mapp-php5 .php
```

\* NOTE: The file you downloaded with the Joomla package, and which is now on the server, will be called **htaccess.txt**. Most computers don’t allow a file beginning with a period. You can use your FTP application (Fetch or WS\_FTP) to rename it to **.htaccess** on the remote site.

3). Some extensions require the cURL Library on the server. To check this, use the **test.php** file above in a browser. Scroll down to the cURL section. It should say this:

```
curl
cURL support enabled
cURL Information libcurl/7.15.5 OpenSSL/0.9.8k zlib/1.2.3 libidn/0.6.5
```

## ----- SETUP & INSTALLATION -----

### CREATE A MYSQL DATABASE

Host Name:

User Name:

Database Name:

Password:

### CREATE A DIRECTORY AND FTP ACCOUNT ON HOSTING COMPANY SERVER

Note the following FTP Information:

Host Name:

Username:

Password:

## **INSTALLATION** (Instructions at: [http://help.joomla.org/ghop/feb2008/task048/joomla\\_15\\_quickstart.pdf](http://help.joomla.org/ghop/feb2008/task048/joomla_15_quickstart.pdf))

- Download Joomla from: <http://www.joomla.org/download.html>
- Extract the .zip file.
- Upload all the files to the server.
- Using a browser, go to the domain name: i.e. <http://joomla.jmusmad.org>
- Follow the steps...
  - Language: next
  - License: next
  - Database configuration: (use information above)
  - DO NOT "Install sample Data"
- Note the username (admin) and password you select for the "administrator" panel
- Using FTP, delete the folder called "installation"

## **JOOMLA ADMINISTRATION**

- Go to your URL, followed by the folder "administrator", ie. <http://joomla.jmusmad.org/administrator>

## **SECTIONS, CATEGORIES & ARTICLES**

- Create Sections, Categories and Articles
- Articles belong to Categories
- Categories belong to Sections  
(i.e. Animals, Dogs, Beagles)  
(i.e. Personnel, Faculty, Anderson)

## **CONFIGURING THE HOME PAGE**

- Menus > Main Menu (Select "Home")
  - # Leading: 1 = # of articles that will stretch whole width
  - # Intro: 4 = # of articles that will stretch just one column
  - Columns: # of columns on home page
  - # Links: # of links at the bottom of the page
  - Parameters (Advanced): Make sure "Show a Feed Link" is enabled so home page is RSS enabled

## **----- ROBOTS.TXT FILE -----**

- To keep search engines from cataloging your site while it is being developed.
- Robots can ignore the file and anyone can see it, but it's still useful to keep your site from coming up in search engines that use it, such as Google.
  - Current contents of **robots.txt** file (located in root of the site):

```
User-agent: *
Disallow: /administrator/
Disallow: /cache/
Disallow: /components/
Disallow: /images/
Disallow: /includes/
Disallow: /installation/
Disallow: /language/
Disallow: /libraries/
Disallow: /media/
Disallow: /modules/
Disallow: /plugins/
```

```
Disallow: /templates/
Disallow: /tmp/
Disallow: /xmlrpc/
```

- To keep search engines from cataloging any files or directories, the **robots.txt** file should contain:

```
User-agent: *
Disallow: /
```

- This is all you need, but later you'll want to put it back the way it was.

## ----- NEW TEMPLATES -----

- Download a template as a .zip file. (if you don't want one of the default templates)
- In the "Administrator" panel...
  - Extensions > Install/Uninstall
    - Upload Package File: Browse to find the .zip file to upload and install
  - Extensions > Template Manager (Click on the radio button for the template and hit "Default")

## ----- MENUS -----

"Menus" are placed into "Modules" which can be "Positioned"

\* More on MODULES below.

### ADDING TO THE MAIN MENU

- Menus > Menu Manager  
(By default, the only menu installed is "Main Menu." It is in the "left" area position.)
- "Main Menu": Click on the icon under "Menu Item(s)"
- New > Internal Link > Articles (Select either "Article Layout" or "Blog Layout")
  - Give it a title
  - Display In: Main Menu
  - Parameters (Basic: Select an article that you created) > Save

### CREATING A NEW MENU (i.e. Topmenu)

- Menus > Menu Manager
- New
  - Give it a Unique Name, i.e. "topmenu"
  - Title (can be same as Unique Name)
  - Description (whatever you want it to be)
  - Module Title: "topmenu"
- Add items to the menu (as above in "ADDING TO THE MAIN MENU")

### POSITIONING THE NEW MENU (i.e. Topmenu)

(Menu & content positions change from template to template)

- To see where menus (modules) can go...
  - Extensions > Template Manager
  - Click on your template
  - Preview (Note area names, i.e. top, user1, user2, left, right, breadcrumb). This will help you figure out where to put menus and other content.

- Extensions > Module Manager
- Click on "Top Menu"
  - Enabled: Yes
  - Position: (Choose the name of the position where you want it to go, i.e. user1)

## **CREATING SUB-MENUS**

- When you want a Section that branches to a Category to an Article
- Menus > Select the menu where you want sub-menus (i.e. Topmenu)
  - New: Internal Link > Articles > Section Blog Layout
    - Title: i.e. Animals
    - Parent Item: Top
    - Parameters (Basic): Section: Animals
    - Save
  - New: Internal Link > Articles > Category Blog Layout
    - Title: i.e. Dogs
    - Parent Item: Animals
    - Parameters (Basic): Category: Animals/Dogs
    - Save
  - New: Internal Link > Articles > Article Layout
    - Title: i.e. Beagles
    - Parent Item: Dogs
    - Parameters (Basic): Select Articles: Beagles
    - Save

- \*\*\* If you want the sub-menus to always show up (not just on mouse over),
- Extensions > Module Manager: Module Name (i.e. Topmenu)
  - Parameters: Always show sub-menu items: Yes

## **----- COMPONENTS -----**

### **CONTACTS PAGE**

- You can have several categories of contacts...
- Components > Contacts > Categories: New
  - Title: (Give it a name, such as "Faculty Contacts" > Save
- Components > Contacts > Contacts: New
  - Category: Faculty Contacts
  - (Put in contact information) > Save
- Menus > Main Menu (If you want "Contact Us" under main menu)
  - New > Internal Link > Contacts > Contact Category Layout
    - Title: "Contact Us"
    - Display: Main Menu
    - Select Category: Faculty Contacts

### **WEB LINKS**

- Components > Web Links > Categories: New
  - Title: (Give it a name, such as "Journalism Sites") > Save
- Components > Web Links > Links: New
  - Parameters (Basic) Category: Journalism Sites
  - (Put in site information with URL) > Save
- Menus > Main Menu (If you want "Journalism Sites" under main menu)

- New > Web Links > Contacts > Contact List Layout
  - Title: "Journalism Sites"
  - Display: Main Menu
  - Parameters (Basic) Category: Journalism Sites
  - Parameters (System): Page Title: Journalism Sites

## ----- USER ACCOUNTS -----

- Site > User Manager: New
  - Enter User Details

## ----- EXTENSIONS -----

### Extensions include...

### MODULES

- **Modules** are sections that lie in pre-defined positions around the main content on each page.
- Some modules are built into Joomla and only need to be "enabled."
  - Examples: Search, Login, Menus, Breadcrumbs
- Others can be downloaded and are used to add functionality
  - Examples: Google Weather, Lightbox, RSS
- **Where Modules Can Go on Pages (Pre-Defined Positions)**
  - Extensions > Template Manager
  - Click on your template
  - Preview (Note area names, i.e. top, user1, user2, left, right, breadcrumb). This will help you figure out where to put modules.

### Adding an Existing Module

(Example: Adding a "Login" Module)

- Extensions > Module Manager
- New > Login
  - Title: Login > Next
  - Enabled: Yes
  - Position: (Choose the name of the position where you want it to go, i.e. left)
- Save

### PLUGINS (Formerly Called Mambots)

- **Plugins** are similar to modules, but are generally used to format the output of a module.
  - Examples: Content Editors, Embedded Video
- (Added in same way as Modules, except use: Extensions > Plugin Manager)

### TEMPLATES

(See "New Templates" section above)

## ----- EXTENSIONS TO ACQUIRE -----

<http://extensions.joomla.org>

### JCE CONTENT EDITOR (TO USE IN PLACE OF TINY MCE)

- Includes advanced Image/Media, File and Link handling, plugin support, and an Administration interface for editor configuration.

- Download the plug-in at: <http://www.joomlacontenteditor.net/downloads>  
(Look for the file: com\_jce\_157\_156\_package.zip)
- In the "Administrator" panel...
  - Extensions > Install/Uninstall
    - Upload Package File: Browse to find the .zip file to upload and install
- This should add a menu at the top under "Components" called "JCE Administration"
  - If not...do the following to enable it:
    - Extensions > Plugin Manager >
    - Click on Editor - JCE 1.5.6
    - Enabled: Yes
- To use this new editor...
  - Site > Global Configuration
    - Default WYSIWYG Editor: Editor - JCE 1.5.6
    - Save

## VIDEO

Use a plug-in called "All Videos"

- Download the plug-in at: <http://www.joomlaworks.gr>
- In the "Administrator" panel...
  - Extensions > Install/Uninstall
    - Upload Package File: Browse to find the .zip file to upload and install
- Extensions > Plugin Manager >
  - Click on AllVideos (by JoomlaWorks)
  - Enabled: Yes
  - Plugin Parameters
    - Popup width: (set a width for lightbox popup width)
    - Popup height: (set a height for lightbox popup height)
    - Autoplay: Yes

(Can override this with parameters set for each video, as below)

\* Will need to insert embed code into the article. However, after inserting the code, Joomla may strip out certain code for security reasons. To fix this, go to...

- Content > Article Manager > (Parameters icon)
  - Scroll down to...Filter Group
    - Select all the options, except Super Administrator
    - Filter Type: Blacklist
    - Save (at top of screen)

Embedding Instructions: <http://www.joomlaworks.gr/content/view/35/41/>

## EXAMPLES ON "BEAGLES" PAGE

### - For Locally Stored Videos...

For example, see "Angus" page at <http://joomla.jmusmad.org>

Videos should be uploaded to: images/stories/videos

- Go to the article where you want to add the content and add the embed code:

```
{mov}prologue|270|180|false{/mov}
{mp4}hindsight|672|378|true{/mp4}
```

- Video called: prologue.mov
  - Display size is 270 X 180
  - Autostart is false

- Video called: hindsight.mp4
  - Display size is 672 X 378

### - For Videos on Video Sharing Site...

For example, see "Beagles" page at <http://joomla.jmusmad.org>

Go to the article where you want to add the content and add the embed code:

#### ***For YouTube:***

```
{youtube}nTDRd0Z0O4o|600|450|1{/youtube}
```

- The video ID number in YouTube is nTDRd0Z0O4o
  - Display size is 600 X 450

#### ***For Vimeo:***

```
{vimeo}8879519|640|360|1{/vimeo}
```

- The video ID number in Vimeo is 8879519
  - Display size is 640 X 360

## **LIGHTBOX IMPLEMENTATION (Ninja Shadowbox)**

- Use an extension called Ninja Shadowbox
- Download the plug-in at: <http://extensions.joomla.org/extensions/multimedia/multimedia-display/4577>
- In the "Administrator" panel...
  - Extensions > Install/Uninstall
    - Upload Package File: Browse to find the .zip file to upload and install
  - Extensions > Module Manager
    - Ninja Shadowbox > Edit
      - Enabled: Yes
      - Position: (Just use default)
      - Javascript Library: JQuery
      - (Use all the other defaults)

### EXAMPLES ON "PIT BULL" PAGE

- To add lightbox/shadowbox to a page, add the following as HTML...

#### **- For "Text Links (images stored on different server)**

```
<a href="http://smad.jmu.edu/images/greene.jpg" rel="shadowbox">Link Text</a>
```

#### **- For a "Linked Image Gallery" (images stored locally)**

```
<a href="images/stories/people1.jpg" rel="shadowbox[mygallery]">Image 1</a>
<a class=""hidden"" href="images/stories/people2.jpg" rel="shadowbox[mygallery]">Image 2</a>
<a class=""hidden"" href="images/stories/people3.jpg" rel="shadowbox[mygallery]">Image 3</a>
```

- See: <http://smad.jmu.edu/anderson/shadowbox.pdf> for embedding in other ways.
  - "Part 3 – Using Shadowbox"

## **GOOGLE WEATHER**

- Download the plug-in at: <http://extensions.joomla.org/extensions/external-contents/weather/10274>
- In the "Administrator" panel...
  - Extensions > Install/Uninstall
    - Upload Package File: Browse to find the .zip file to upload and install

- Extensions > Module Manager
  - Google Weather > Edit
    - Enabled: Yes
    - Position: Right (Or wherever you want to position it)
    - Default City: Washington, DC

## **ADMIN-USER-ACCESS EXTENSION**

<http://extensions.joomla.org/extensions/access-a-security/backend-a-full-access-control/9040>

<http://www.pages-and-items.com/admin-user-access/>

- In the "Administrator" panel...
  - Extensions > Install/Uninstall
    - Upload Package File: Browse to find the .zip file to upload and install

To enable the backend...

- Extensions > Module Manager > Administrator (tab) > Admin user access (backend)
  - Enabled: Yes
  - Position: menu
  - Order: 0::Admin Menu
    - Save

To enable the frontend...

- Extensions > Module Manager > Site (tab) > Admin user access (frontend)
  - Show Title: No
  - Enabled: Yes
  - Position: left (or whatever position you'd like)
    - Save

## **----- THEME CUSTOMIZATION PROCESS -----**

Choose a template that is close to what you want as to layout (# of columns).

(I'm using "JA\_Purity")

## **BASIC CUSTOMIZATION WITH PARAMETERS**

- Begin by changing some parameters in the Administrator page...
- Extensions > Template Manager
  - Click on radio button for your template > Edit
    - (Begin by changing "Parameters" from this screen).

## **GENERAL PLAN OF ATTACK**

- Copy and paste the contents of **template.css** to another location. If you get into trouble, you'll always be able to retrieve the original file.
- You can determine which DIVs do what by putting a border on one and then seeing what is affected by doing "Preview." Do this in the **template.css** file.
  - Example: Add the line **border: 3px coral solid;** as below

```
#ja-content {
    padding: 0 20px 0 40px;
    border: 3px coral solid;
}
```

- View the site in "Preview" to determine which area is #ja-content.

## CHANGE LOGO & BACKGROUND OF HEADER

- Right click on the logo image(s) > View Background Image

- Look at the path and file name(s).

- images/header-mask.png (we will no longer need or use)

- images/header/header1.jpg (One of three rotating images we will no longer need or use)

- The logo itself may not be viewable this way. Depending on template, the logo should be in:

- images/logo.png

- Photoshop: Open the logo.png file and change to the look you want.

- Resave as: logo2.png

- Photoshop: Create a small repeating background image just a few pixels wide. It should be the same height as header1.jpg.

- Save as: logoback.png

- Upload the files to the folder for the "JA\_Purity" template:

- images/logo2.png

- images/logoback.png

## EDITING THE TEMPLATE.CSS FILE

- Extensions > Template Manager

- Click on radio button for your template > Edit

- Edit CSS

- Click on radio button for "template.css" > Edit

- **To Remove the Header Mask, which we no longer need, find the section:**

```
.ja-headermask {
    width: 602px;
    display: block;
    background: url(../images/header-mask2.png) no-repeat top right;
    height: 80px;
    position: absolute;
    top: 0;
    right: -1px;
}
```

- Remove the line:

background: url(../images/header-mask2.png) no-repeat top right;

- To Put in the small repeating background image (logoback.png), find the section:

```
#ja-headerwrap {  
    background: #333333;  
    color: #CCCCCC;  
    line-height: normal;  
    height: 80px;  
}
```

- Change to:

```
background: url(../images/logoback.png);  
background-repeat: repeat-x;
```

- To add the new logo, change logo.png to logo2.png in the section below.

```
h1.logo a {  
    width: 208px;  
    display: block;  
    background: url(../images/logo.png) no-repeat;  
    height: 80px;  
    position: relative;  
    z-index: 100;  
}
```

## ----- SPECIFIC THEME CUSTOMIZATIONS -----

### ADJUSTING COLUMN WIDTHS FOR ARTICLE CONTENT

- This fixes JA\_Purity issue of the right column being narrower than the left column for article content in a two column layout.

- Edit the file **template.css**

- Change the padding to:

```
/* JOOMLA STYLE  
.column_separator {  
    padding: 0 0 0 7px;  
}
```

### CHANGING THE TOP MENU

- Edit the file: **ja-sosdmenu.css**

- To change the background color of the top menu, find the section:

```
/*----- VISUAL -----*/  
/* ----- All levels ----- */  
#ja-mainnavwrap {  
    border-top: 1px solid #666666;  
    background: #444444;  
}
```

Change the line: background: #444444;  
To: background: #0e60c9;

**- To change the background of the navigation buttons, find the section:**

```
/* ----- Top level ----- */  
#ja-mainnav > ul {  
    background-color: #444444;  
    padding-left: 20px;  
}
```

Change the line: background-color: #444444;  
To: background-color: #0e60c9;

**- To change the top border above the navigation buttons, find the section:**

```
/*----- VISUAL -----*/  
/* ----- All levels ----- */  
#ja-mainnavwrap {  
    border-top: 1px solid #666666;  
    background: #666666;  
}
```

Change the line: background: #666666;  
To: (some other color)

**- To change the colors of the bevels around the buttons, adjust this section:**

```
#ja-mainnav > ul > li {  
    background-color: #444444;  
    border-left: 1px solid #666666;  
    border-right: 1px solid #333333;  
    margin-right: 1px;  
}
```

## ----- BACKUPS -----

- Two backups are necessary.

1). Backup folders & files via FTP (.php, .html, .css, .xml etc.)

2). Backup the database (using phpMyAdmin)

- From 1and1.com Control Panel...

- Click on "MySQL Administration" icon

- Click on "phpMyAdmin" icon next to the database for the site.

- Click on the Database name on the left side.

- Export

- Select All

- "SQL" radio button selected

- "Save as file" checkbox selected

- Go

- Save file ending in .sql