

Drupal MidCamp 2017 Drupal Training

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The training course includes step-by-step exercises to help you understand the process of creating a Drupal site. It also includes an overview to help you think through the process of building out a website for your use case or organization.

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Introduction to Drupal – Drupal 8 Training Instructions

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Learning Objectives

Drupal concepts and terminology

The benefits of using Drupal and how it compares to other systems

The process of creating a new Drupal 8 website

Drupal core functionality and how to use contributed modules

Confidence to dive deeper into Drupal 8

Drupal 8 concepts, terminology, and overall architecture

Creating content types and using fields

Using taxonomy, and menus to structure your site

Managing users and permissions

Installing and configuring contributed modules

Creating layouts with blocks

Organizing your content with Views

Drupal 8 Training Materials

1. Training Materials for this activity are on the following Drupal website:
 - a. Website URL:
<http://cms-freelancers.com/content/training-materials>
2. Content for training exercises are stored as compressed files
 - a. CMS-Front-Page-Articles.zip
 - b. CMS-Page0Content.zip
 - c. Pictures.zip
 - d. Staff-Profiles-And-Pictures.zip
 - e. Theme-Slideshow-Side-Images.zip
3. Presentations are stored as compressed files
 - a. Acquia-Dev-Desktop-Setup-Step-By-Step
 - b. Creating-Drupal-7-and-Drupa-8-sites-on-Webhosts
 - c. Introduction-To-CMS

Drupal 8 Training Exercises

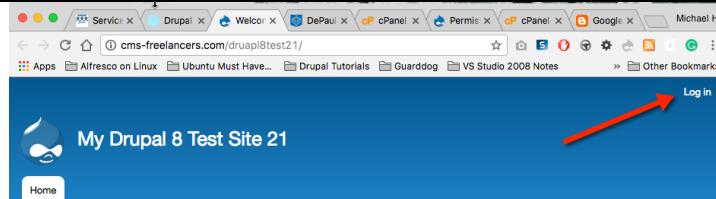
Part 1 – Intro Presentations:

1. Building Drupal sites on shared web hosts with one click & cPanel
 - a. PowerPoint: [Creating Drupal 7 and Drupal 8 sites on Webhosts](#)
 - i. Walkthrough SiteGround Drupal 8 installation
 - ii. Identifying and fixing the Trusted Host Settings error
2. Walkthrough (PowerPoint) Drupal 8 Installation with Acquia Dev Desktop
(only if required)
 - a. PowerPoint: [Acquia Dev Desktop Setup step-by-step](#)
 - i. Identifying and fixing the Configuration directories error
 - ii. Identifying and fixing the Trusted Host Settings error

Part 2 – The Administration Toolbars and Menu Review

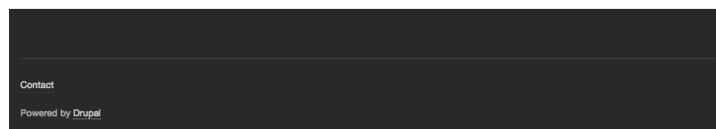
- Open a web browser and navigate to your Drupal site.
- You are now looking at your Drupal 8 site's client facing front end as an anonymous user.
- Let's login to your site and review the site administration toolbars and menus from top to bottom.

a. Select (click) the Log in link (upper right corner)



Welcome to My Drupal 8 Test Site 21

No front page content has been created yet.



b. Enter username and password

c. Select (click) the “Log in” button

Log in

[Log in](#) [Create new account](#) [Reset your password](#)

Username *

mchase

Enter your My Drupal 8 Test Site 21 username.

Password *

Enter the password that accompanies your username.

[Log in](#)

d. Admin Menus and Tool bars

1. the Administrative menu – starts with Manage
2. the Administrative submenu bar – starts with Content
3. the User account menu – My account & Log out
4. the Main navigation menu – starts with Home
5. the Tools menu (left column) – stars with Add content
6. the Footer menu – starts with Contact

The screenshot shows the Drupal 8 Admin interface with several menu items highlighted by red circles:

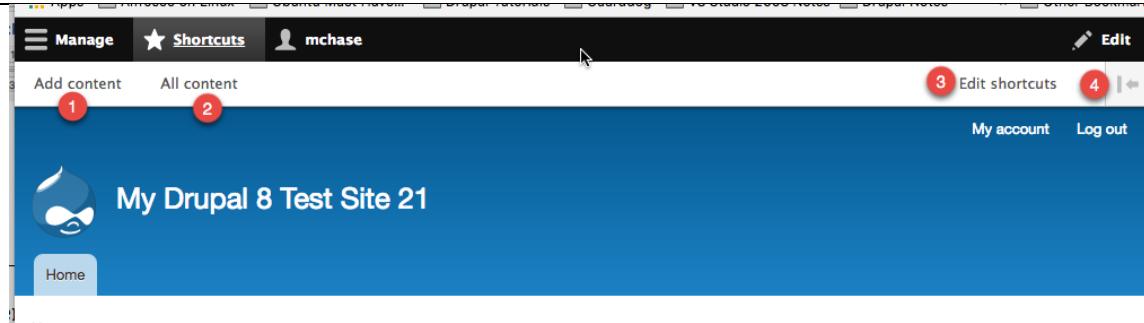
- 1**: Manage button in the top navigation bar.
- 2**: Content item in the top navigation bar.
- 3**: My account and Log out links in the top right corner.
- 4**: Home link in the main navigation menu.
- 5**: Tools link in the left sidebar.
- 6**: Contact link in the footer menu.

Clicking Manage – Enables and disabled the Administrative submenu bar

The two screenshots illustrate the state of the administrative submenu bar when the 'Manage' button is clicked:

- Left Screenshot (Manage button not clicked):** The 'Content' item in the top navigation bar is grayed out, indicating it is disabled.
- Right Screenshot (Manage button clicked):** The 'Content' item in the top navigation bar is now bolded and black, indicating it is enabled.

- * Shortcuts – Is a dynamic menu – You can add, edit, and delete shortcut links
- (1) Add content – create site content using content type templates
- (2) All content – list all site content, Filter by content type, change node states
- (3) Edit shortcuts – Edit the shortcuts links
- (4) Toggle – Horizontal to vertical menu display



User account link – the link is your user name

- (1) My account – appears to be the same as selecting the user name link
- (2) Log out – log off the site
- (3) View – Membership time
- (4) Shortcuts (Advanced – Not covered)
- (5) Edit – Change your account information – Email, username, password, role

A screenshot of the Drupal 8 user profile page for 'mchase'. The top navigation bar is identical to the one in the previous screenshot. The main content area shows the user's profile information: 'mchase' (highlighted with a red circle containing '3'), 'View' (red circle '4'), 'Shortcuts' (red circle '5'), and 'Edit'. Below this, it says 'Member for 37 minutes 25 seconds'. There are also 'Tools' and 'Add content' sections at the bottom. Red arrows point from the numbered circles (1 through 5) to their corresponding elements on the page.

Toggle Administrative submenu bar Horizontal to Vertical display

(A) To toggle from Horizontal to Vertical

This screenshot shows the Drupal 8 administrative interface with a horizontal navigation bar at the top. The bar includes links for Content, Structure, Appearance, Extend, Configuration, People, Reports, and Help. On the far right of the bar are 'My account' and 'Log out'. A red arrow labeled 'A' points from the text '(A) To toggle from Horizontal to Vertical' to the 'Log out' link.

(B) To toggle from Vertical back to Horizontal

This screenshot shows the same administrative interface, but the submenu bar on the left is now displayed vertically. The menu items are Content, Structure, Appearance, Extend, Configuration, People, Reports, and Help, each with a dropdown arrow indicating they have sub-items. A red arrow labeled 'B' points from the text '(B) To toggle from Vertical back to Horizontal' to the vertical submenu bar.

Administrative submenu bar



The screenshot shows the top administrative navigation bar with the following menu items:

- 1 Content
- 2 Structure
- 3 Appearance
- 4 Extend
- 5 Configuration
- 6 People
- 7 Reports
- 8 Help

Below the bar, the "Content" menu is selected, displaying sub-links for Content, Comments, and Files.

See Above:

(1) Content:
List site content, comments and files.
Filter search
Change content states.

(2) Structure:
Edit existing content type templates (Basic page & Article)
Create new content type templates
Create views – node aggregate page displays

(3) Appearance:
Install new themes
Enable and set default client facing themes
Enable Site Administration themes
Edit client facing theme settings

(4) Extend
Extend Drupal by adding new modules to your site
Enable and disable modules
Update and Uninstall modules
Link access to module Help, Permission and configuration pages (if supported)

(5) Configuration
Access to sections of links to configuration settings pages
This is dynamic and changes as you add modules

(6) People
Add new users
Enable and disable user accounts
Permission modules – defines which roles can access modules
Edit existing role privileges
Add new roles

(7) Reports – Access to report links (Status report)
(8) Help – List of all the help pages. This is dynamic and changes as you add modules

Introduction to Adding Site Content – Basic page

A. Introduction to CMS Content types

Drupal comes with 2 content types enabled by default, Basic page and Article.

Basic page and Article have different structures and purpose.

Basic pages are typically used for static content and have links on a menu.

Basic pages do not have an image by default.

Articles are for timely content, not statics, and are typically displayed on the front page, and do not have a menu item link. Article also have a taxonomy-vocabulary file, named Tag and an image field by default.

Both of these content types have a structure that is at its core a template form. When you create content, you fill out the template form of that particular content type, configuring it to your specifications. The template has a WYSIWYG toolbar, so you can edit content without coding, and without having to use special programming languages. When you save your “page”, it is published to your site and is immediately visible to all.

B. Content type Basic Page named “About me”

Access the Add content page:

a. **Administrative submenu bar** > Content, + Add content

Or

b. **Administrative menu** > Shortcuts > Add content

On the Add content page:

Select the [Basic page](#) link

The screenshot shows the 'Add content' page in the Drupal administrative interface. At the top, there's a navigation bar with 'Back to site', 'Manage', 'Shortcuts', and a user icon. Below that is a secondary navigation bar with 'Add content' and 'All content'. The main content area is titled 'Add content' with a yellow star icon. It lists two content types: 'Article' and 'Basic page'. A red arrow points to the 'Basic page' link. Below each link is a brief description: 'Article' says 'Use articles for time-sensitive content like news, press releases or blog posts.' and 'Basic page' says 'Use basic pages for your static content, such as an 'About us' page.'

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Red stars (*) indicate required fields

1. Title – The title of your page
2. The WYSIWYG toolbar
3. The Body =where you enter the page content
4. The HRML settings of the body display – Keep it at Basic for now
5. The Revision log message – I use this!
6. The Menu settings – You have to open it up to set it
7. The Promotion settings – **We do not want our page on the home page**, so we will not select any items in this settings section.

The screenshot shows the 'Create Basic page' form in Drupal 8. The interface includes a top navigation bar with 'Back to site', 'Manage', 'Shortcuts', and user info ('mchase'). Below the navigation is a toolbar with 'Add content' and 'All content' buttons, and a 'Edit shortcuts' link. The main content area has a title field (1) labeled 'Create Basic page'. The 'Body (Edit summary)' section contains a WYSIWYG toolbar (2) with various buttons like bold, italic, and underline, and a large text area (3). Below the toolbar is a 'Text format' dropdown (4) set to 'Basic HTML'. On the right side, there's a sidebar with 'Last saved: Not saved yet', 'Author: mchase', and a checked 'Create new revision' checkbox. A 'Revision log message' field (5) is present with the placeholder 'Briefly describe the changes you have made.' Below the sidebar are sections for 'MENU SETTINGS', 'URL PATH SETTINGS', 'AUTHORING INFORMATION', and 'PROMOTION OPTIONS'. At the bottom are 'Save and publish' (8) and 'Preview' buttons.

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Below I have entered the Title and some body content.
Additionally I have used the WYSIWYG to create a LINK to DePaul

Create Basic page ★

Home » Add content

Title * 1 About me

Body (Edit summary) ★

My name is Michael Chase. 2
I am a trained clinical microbiologist. I have worked and performed research in healthcare and Food science.
I was retrained as a programmer analyst in the 1980s at [DePaul University](#).

body p

Text format Basic HTML About text formats

Last saved: Not saved yet
Author: mchase
 Create new revision
Revision log message
Not signed in G
Briefly describe the changes you have made.

► MENU SETTINGS
► URL PATH SETTINGS
► AUTHORIZING INFORMATION
► PROMOTION OPTIONS

Save and publish Preview

Now I have used the WYSIWYG to Bold my name and create a numbered list.

Create Basic page ★

Home » Add content

Title * 1 About me

Body (Edit summary) ★

My name is **Michael Chase**. ★
1. I am a trained clinical microbiologist.
2. I have worked and performed research in healthcare and Food science.
3. I was retrained as a programmer analyst in the 1980s at [DePaul University](#). 2

body ol li

Text format Basic HTML About text formats

Last saved: Not saved yet
Author: mchase
 Create new revision
Revision log message
Not signed in G
Briefly describe the changes you have made.

► MENU SETTINGS
► URL PATH SETTINGS
► AUTHORIZING INFORMATION
► PROMOTION OPTIONS

Save and publish Preview

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Below I have added a comment to the Revision log.

Last saved: Not saved yet

Author: mchase

Create new revision

Revision log message

Initial | create



Briefly describe the changes you have made.

Below I have opened the **MENU SETTING** block and after selected (checking) the **Provide a menu link** option, I entered the **Menu link title**, a **Description**, and assigned the menu link to the **<Main navigation>** (MAIN MENU) and gave the menu item a **Weight** of **5**, so it appears to the right of the HOME link.

Weights < 1 → Appear to the left (Horizontal) and above Vertical
Weights > 1 → Appear to the left (Horizontal) and above Vertical

MENU SETTINGS

Provide a menu link

Menu link title
About me

Description
All about me

Shown when hovering over the menu link.

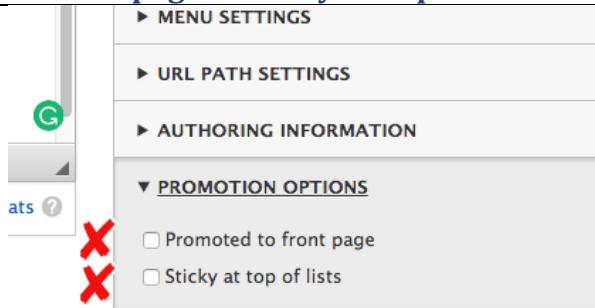
Parent item
<Main navigation>

Weight
5

Menu links with lower weights are displayed before links with higher weights.

I opened the PROMOTION OPTIONS

I only want this page to appear when its menu link is selected. Therefore, I will not select (check) **Promoted to the front page** or **Sticky on top of lists**



We have completed configuring our Basic page and we can now save and publish it to the site by selecting the “Save and publish” button

A screenshot of the 'Create Basic page' form. The left side shows the content editor with a title 'About me' and a body containing text about the author. The right side shows the sidebar with 'PROMOTION OPTIONS' expanded, showing the two checkboxes mentioned earlier. A red circle with the number 3 is placed over the 'Save and publish' button.

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Once you click the “Save and publish” Drupal displays the page on the site with a success message.

You should now open a different WEB browser, navigate to your site and without logging in, verify that the “About me” page menu item exists, and selecting it brings you to the page.

The screenshot shows the 'About me' page of a Drupal site titled 'My Drupal 8 Test Site 21'. A green success message box at the top right says 'Basic page [About me](#) has been created.' Below the message, there is a navigation bar with 'Edit' and 'Delete' buttons, both of which are highlighted with red arrows. The main content area displays the bio of Michael Chase, listing his education and interests. The 'Edit' button is also highlighted with a red arrow.

Demo Selecting the Edit tab – make a change and save – Revision tab displays

The screenshot shows the 'About me' page with the 'Edit' tab selected, indicated by a red arrow. The page content includes a bio and a numbered list of interests. The 'Revisions' tab is also visible in the navigation bar.

Demo selecting Delete tab

The screenshot shows the 'About me' page with the 'Delete' tab selected, indicated by a red arrow. A confirmation dialog box is displayed, asking 'Are you sure you want to delete the content About me?'. The 'Delete' button in the dialog is highlighted with a red arrow.

Independent Exercise 1.1: Create three (3) more Basic page nodes

Create two (2) Basic page nodes:

Titles: BP Test 1, BP Test 2

Body Content: 1 IPSUM paragraph

Revision Log: Created the page.

Menu Settings:

Provide a menu link: **checked**

Menu link title: (default) Page title

Description: (use page title)

Parent item: <Main navigation>

Weight: 10

URL PATH SETTINGS: keep default

AUTHOR INFORMATION: keep default

PROMOTION OPTIONS:

Promoted to front page: keep default (**unchecked**)

Sticky at top of lists: keep default (**unchecked**)

Create Basic page

Home » Add content

Title *
BP Test 1 1

Body (Edit summary)

Meh tote bag ennui, subway tile semiotics woke kogi. Bespoke flannel stumptown, fixie biodiesel intelligentsia man bun pop-up pickled tattooed subway tile helvetica sustainable blog tacos. Small batch offal forage, mustache synth before they sold out snackwave slow-carb gluten-free normcore franzen. Scenester tofu +1, tacos hoodie food truck disrupt. Truffaut banjo iceland YOLO kogi. Gochujang swag lumbersexual 8-bit food truck blog. Meh chia hashtag, shoreditch next level twee meggings forage meditation chartreuse truffaut migas.

2 3 4 5 6 7 8 9 10 11 12

Last saved: Not saved yet
Author: mchase
 Create new revision

Revision log message
Creating the page 3

Briefly describe the changes you have made.

MENU SETTINGS

Provide a menu link
Menu link title: BP Test 1 5
Description: BP Test 1| 6
Shown when hovering over the menu link.
Parent item: <Main navigation> 7
Weight: 10 8
Menu links with lower weights are displayed before links with higher weights.

URL PATH SETTINGS

AUTHORING INFORMATION

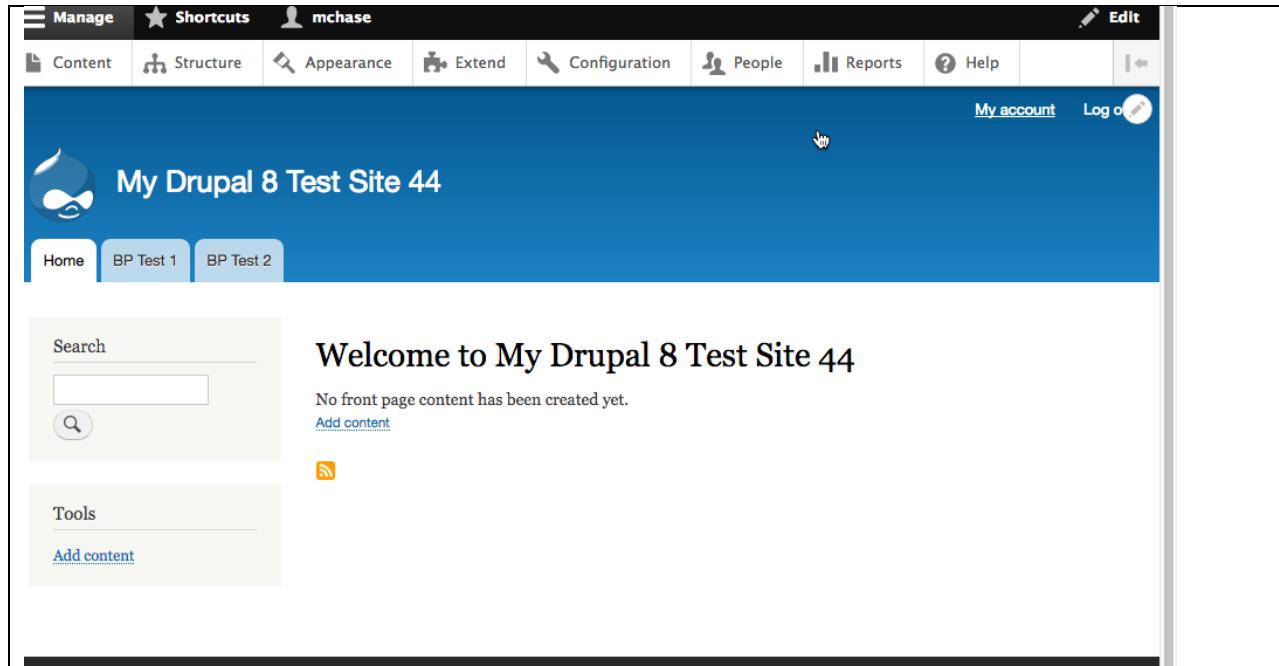
PROMOTION OPTIONS

Promoted to front page
 Sticky at top of lists

After Creating 2 nodes:

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Independent Exercise 1.2: Create one (1) more Basic page nodes without a menu

Create one (1) more Basic page nodes:

Title: BR Test 3

Body Content: 1 IPSUM paragraph

Revision Log: Created the page.

Menu Settings:

Provide a menu link: **unchecked**

URL PATH SETTINGS: /br-test-3

The screenshot shows the 'Edit Basic page BR Test 3' interface. At the top, there are buttons for View, Edit, Delete, and Revisions. Below that, the title is set to 'BR Test 3'. The body contains a large amount of placeholder text about food and culture. The text format is set to 'Basic HTML'. On the right side, there are several sections: 'Published' (status: 03/28/2017 - 15:30, author: mchase, checked for 'Create new revision'), 'Revision log message' (empty), 'MENU SETTINGS' (unchecked for 'Provide a menu link'), 'URL PATH SETTINGS' (URL alias: /br-test-3, note: 'Specify an alternative path by which this data can be accessed. For example, type "/about" when writing an about page.'), 'AUTHORING INFORMATION', and 'PROMOTION OPTIONS'.

Introduction to Drupal Menu Management

Menus can be created when content nodes are created. Menus can also be created and managed from the Menu manager.

Access the Menu page

Administrative submenu bar > Structure > Menus

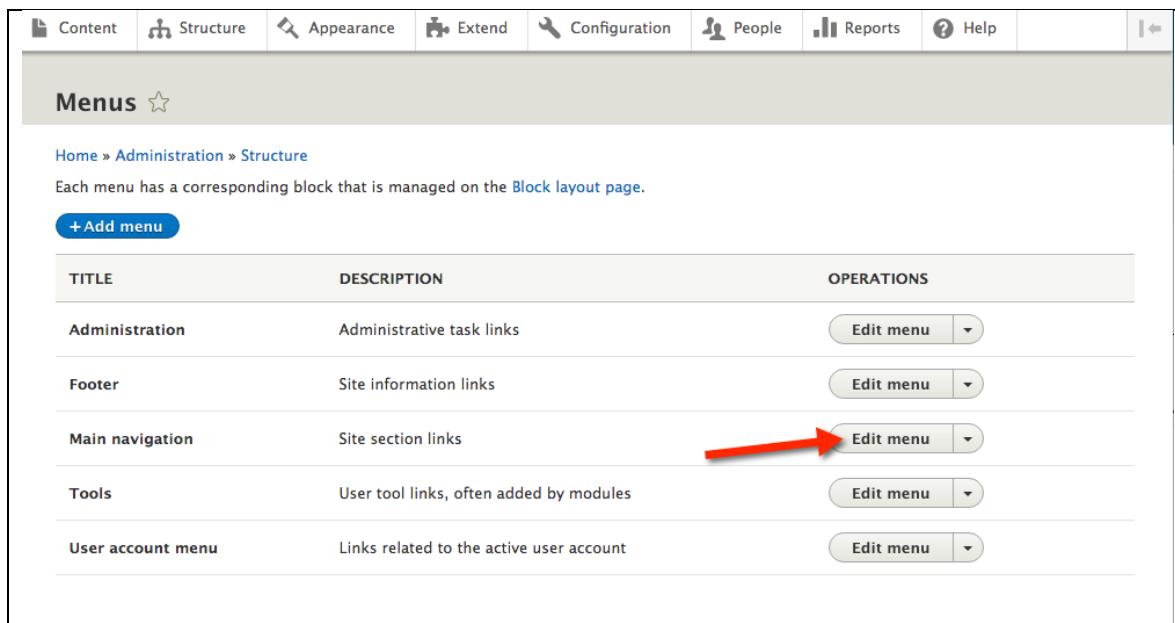
The screenshot shows the 'Structure' page in the Drupal administrative interface. At the top, there is a navigation bar with links for Back to site, Manage, Shortcuts, and a user account (mchase). Below the navigation bar, the main content area has a title 'Structure' with a star icon. A red arrow points to the 'Structure' link in the navigation bar, and a red circle with the number '1' is placed below it. The main content area displays several configuration sections: 'Block layout', 'Comment types', 'Contact forms', 'Content types', 'Display modes', and 'Menus'. A red arrow points to the 'Menus' link, and a red circle with the number '2' is placed below it. The 'Menus' section is described as managing menus and menu links.

Edit the Main navigation menu

Select the Edit menu link for the Main navigation menu

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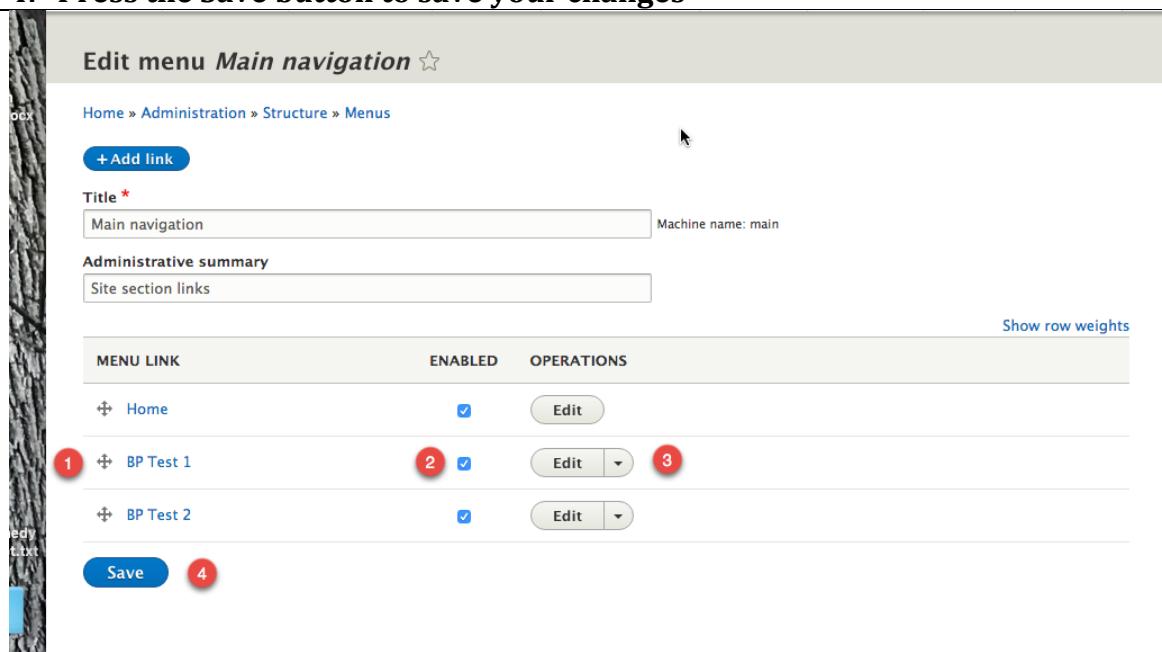
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The screenshot shows the 'Menus' page in the Drupal admin interface. It lists five menus: 'Administration', 'Footer', 'Main navigation', 'Tools', and 'User account menu'. Each menu has an 'Edit menu' button with a dropdown arrow. A red arrow points to the 'Edit menu' button for the 'Main navigation' menu.

TITLE	DESCRIPTION	OPERATIONS
Administration	Administrative task links	Edit menu ▾
Footer	Site information links	Edit menu ▾
Main navigation	Site section links	Edit menu ▾
Tools	User tool links, often added by modules	Edit menu ▾
User account menu	Links related to the active user account	Edit menu ▾

- 1. Select the cross-hair to drag and re-order (up and down) menu items**
*You can also drag the menu item right and left to create child (sub-menu) items.
Make sure your theme supports child menu items.
[Our current theme Bartik does not support child menu items](#)*
- 2. Check and uncheck to enable and disable menus**
- 3. Select dropdown control to edit the menu item name and delete a menu item**
- 4. Press the Save button to save your changes**



The screenshot shows the 'Edit menu Main navigation' page. It displays the 'Main navigation' menu with a single item 'Site section links'. Below it is a table for managing menu links:

MENU LINK	ENABLED	OPERATIONS
Home	<input checked="" type="checkbox"/>	Edit
BP Test 1	<input checked="" type="checkbox"/>	Edit ▾
BP Test 2	<input checked="" type="checkbox"/>	Edit ▾

Row weights are indicated by numbers 1, 2, and 3 next to the menu items. A 'Save' button is at the bottom left, with a red circle containing the number 4 above it.

**After moving “BP Test 2” above BP Test 2”
Press the Save button to save your changes**

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Administrative summary

Site section links

* You have unsaved changes.

MENU LINK	ENABLED	OPERATIONS
Home	<input checked="" type="checkbox"/>	Edit
BP Test 2*	<input checked="" type="checkbox"/>	Edit
BP Test 1	<input checked="" type="checkbox"/>	Edit

Save

Editing Menu Items on Menu Manager

I want to make sure I mention child menu items, early on in your training.

As we move toward CMS mobile compatibility, we move toward a more flat menu architecture. In other words, less child menus.

However, if you are designing a CMS website with child menus, then please remember, if you want the child menus items to display when you mouse over the parent menu item, you must check (set) the parent menu item's "Show as expanded" setting.

1. Select Edit

MENU LINK	ENABLED	OPERATIONS
Home	<input checked="" type="checkbox"/>	Edit
BP Test 2	<input checked="" type="checkbox"/>	Edit
BP Test 1	<input checked="" type="checkbox"/> 	Edit

Save

2. Check Show as expanded

3. Press the Save button

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Content Structure Appearance Extend Configuration People Reports Help

Edit menu link ☆

Home » Administration » Structure » Menus

Menu link title *
BP Test 1

The text to be used for this link in the menu.

Link *
BP Test 1 (1)

Start typing the title of a piece of content to select it. You can also enter an internal path such as /node/add or an external URL such as http://example.com. Enter <front> to link to the front page.

Enabled
A flag for whether the link should be enabled in menus or hidden.

Description
BP Test 1

Shown when hovering over the menu link.

Show as expanded 2 If selected and this menu link has children, the menu will always appear expanded.

Parent link
<Main navigation>

The maximum depth for a link and all its children is fixed. Some menu links may not be available as parents if selecting them would exceed this limit.

Weight
-48

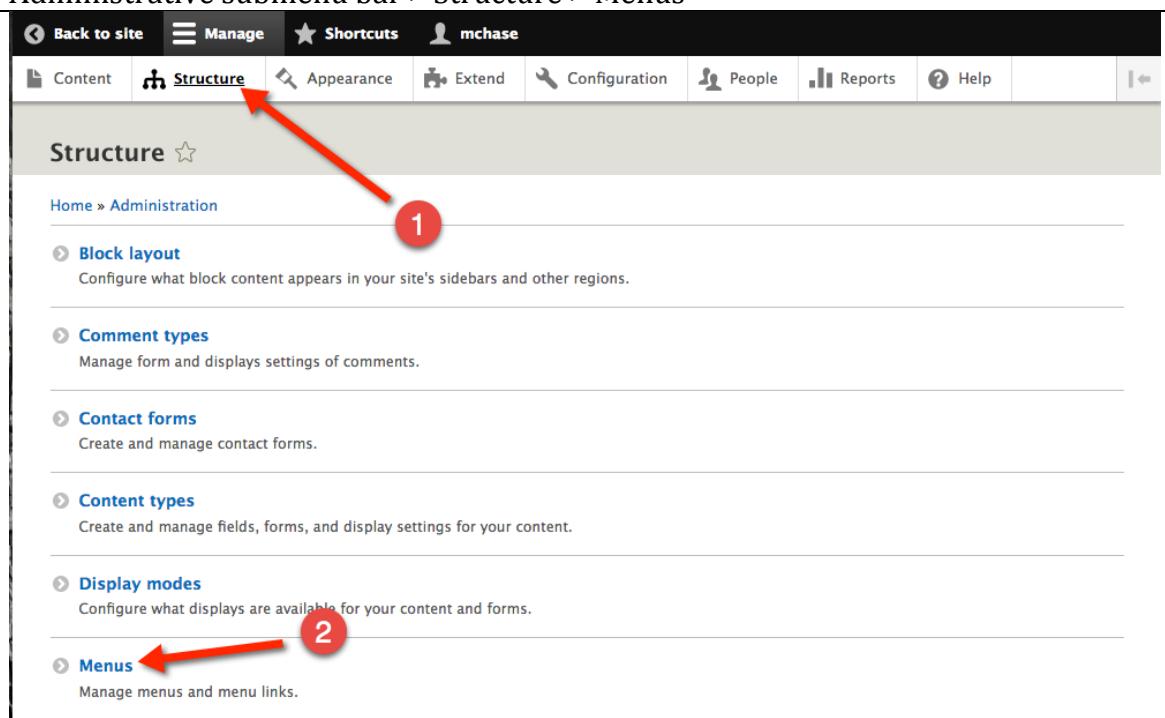
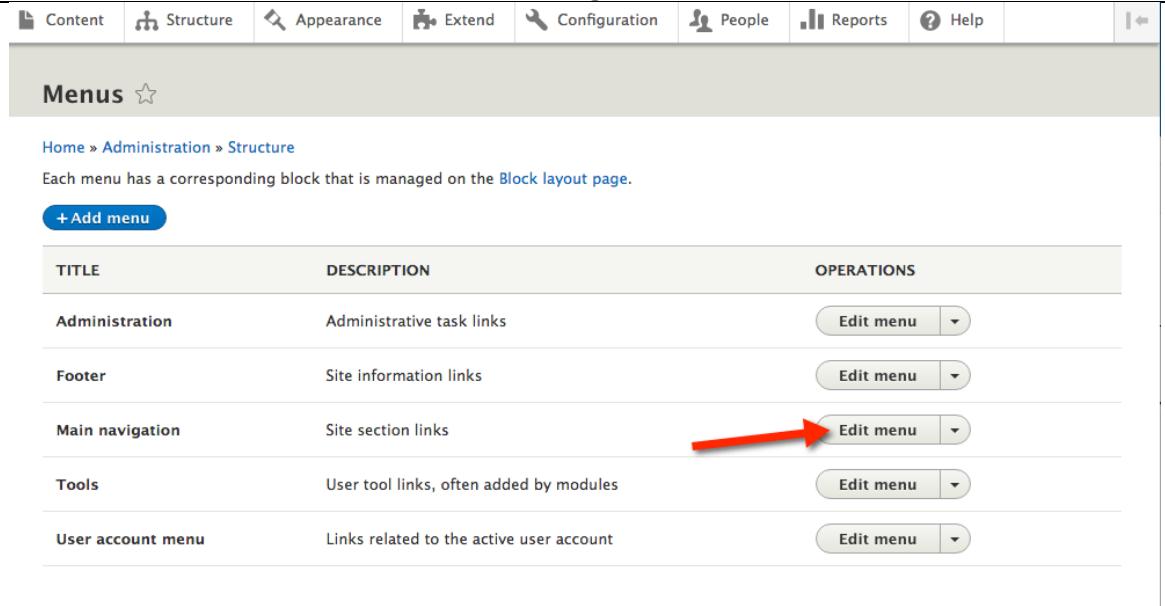
Link weight among links in the same menu at the same depth. In the menu, the links with high weight will sink and links with a low weight will be positioned nearer the top.

3 **Save** [Delete](#)

Check Show as expanded if the menu item is a Parent with child menu items

Create a Main Menu Link form Menu Manager

In the Independent Exercise 1.2 we created a Basic page without a menu option. We will now create a new main menu option for Basic Page node “[BR Test 3](#)”, with URL alias “[br-test-3](#)”

Access the Menu page
Administrative submenu bar > Structure > Menus

Edit the Main navigation menu
Select the Edit menu link for the Main navigation menu


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Select “+Add link”

The screenshot shows the 'Edit menu Main navigation' page. At the top left is a blue button labeled '+Add link'. A red arrow points to this button from the left, and a red circle with the number '4' is placed over it. The page title is 'Edit menu Main navigation ☆'. Below the title, the breadcrumb navigation is 'Home » Administration » Structure » Menus'. The main content area contains a table titled 'MENU LINK' with columns 'ENABLED' and 'OPERATIONS'. Three menu items are listed: 'Home' (enabled), 'BP Test 2' (enabled), and 'BP Test 1' (enabled). Each item has an 'Edit' button in the 'OPERATIONS' column. A 'Save' button is located at the bottom left of the form.

Fill out the “Add menu link” form
(2) Link – use the URL alias preceded by a “/”
(&) Weight = 10, sits to the right of the Home link

Add menu link ☆

The screenshot shows the 'Add menu link' form. The fields and their corresponding numbers are: 1. 'Menu link title' input field containing 'BR Test 3' (red circle). 2. 'Link' input field containing '/br-test-3' (red circle). 3. 'Enabled' checkbox checked (red circle). 4. 'Description' input field containing 'BR Test 3' (red circle). 5. 'Show as expanded' checkbox unchecked (red circle). 6. 'Parent link' dropdown menu showing '<Main navigation>' (red circle). 7. 'Weight' input field containing '10' (red circle). 8. 'Save' button (red circle).

Select “< Back to site” and test the new Main menu item

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The screenshot shows the Drupal 8 administrative interface. At the top, there's a navigation bar with links for Content, Structure, Appearance, Extend, Configuration, People, Reports, Help, and user-specific options like 'My account' and 'Log out'. Below the header is the site title 'Test Site 44' and a logo. The main content area shows a node edit form for a content type named 'BR Test 3'. The node has the title 'BR Test 3'. There are tabs for View, Edit, Delete, and Revisions. The body of the node contains placeholder text about food truck culture. A red arrow points from the left margin to the 'Edit' tab, and another red arrow points from the right margin to the node title 'BR Test 3'.

Part 2: Continued Introduction to Adding Site Content - Articles

Articles have a Picture and Tag field by default.

The Tag field is a reference to a Taxonomy vocabulary named tags.

Taxonomies give your sites use of organizational keywords, known in other systems as categories, tags, or metadata. They allow you to connect, relate and classify your website's content. In Drupal, these terms are gathered within "vocabularies". The Taxonomy module allows you to create, manage and apply those vocabularies.

Create Articles about deserts

A. Assets folder: **CMS Front Page Articles**

- a. **File: Deserts.txt** – open in an ASCII editor

B. Create the first of three desert Articles: **Brownie Directions**

Access the Add content page:

A. **Administrative submenu bar** > Content, + Add content

Or

B. **Administrative menu** > Shortcuts > Add content

Select **Article**

The screenshot shows the Drupal 8 administrative interface. At the top, there is a black header bar with links for 'Back to site', 'Manage', 'Shortcuts', and a user profile for 'mchase'. Below the header is a navigation bar with icons for 'Content', 'Structure', 'Appearance', 'Extend', 'Configuration', and 'People'. The main content area has a title 'Add content' with a yellow star icon. Under the title, there is a 'Home' section. Within 'Home', there are two options: 'Article' (which is highlighted with a red arrow) and 'Basic page'. Each option has a brief description below it.

Category	Type	Description
Home	Article	Use <i>articles</i> for time-sensitive content like news, press releases or blog posts.
Home	Basic page	Use <i>basic pages</i> for your static content, such as an 'About us' page.

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Red star indicates required fields. Title & COMMENT SETTINGS are required

The screenshot shows the 'Create Article' page in Drupal 8. The main area contains fields for Title, Body (WYSIWYG editor), Text format, Tags, and Image. To the right, a sidebar displays settings for Last saved, Author, Create new revision, Revision log message, and several other optional settings like Menu, Comment, URL Path, Authoring, and Promotion options. A red star icon is present next to the 'COMMENT SETTINGS' section.

See above

1. Title (required) – the article title
2. Body WYSIWYG toolbar
3. Body edit block
4. Text format selector: Keep it at Basic HTML
5. TAGS – The widget is called a type a head control.
6. Image chooser widget
7. Author & Revision log
8. Menu settings – we want our articles on the home page, not on a menu item
9. Comment settings – do we want to permit site visitors to comment on this article?
10. Promotion settings:
 - (a) Set to Published – only published content is seen on a site
 - (b) Set to Promoted to front page – to be displayed on the home page
 - (c) Set to Sticky on top of lists – to keep the article at the top of the home page

Open the “Deserts.txt” file in an ASCII editor.

I have marked the Article parts to enter in the in the Article template below.

You can use copy and paste to copy the text form the ASCII editor into the Drupal Activity template form.

After pasting the body content, select the link, and use the WYSIWYG link icon to create a web link.

```

1 Brownie Directions TITLE
2 Prep 15 m
3 Cook 10 m
4 Ready In 25 m
5
6 Preheat oven to 375 degrees F (190 degrees C). In a small bowl, stir together flour, baking soda, and baking powder. In a large bowl, cream together the butter and sugar until smooth. Beat in egg and vanilla extract. Gradually blend in flour mixture. Spread batter into prepared pan.
7 Bake 8 to 10 minutes in the preheated oven, or until golden. Let stand on cookie sheet two minutes before
8 Preheat oven to 350 degrees F (175 degrees C). Grease and flour an 8-inch square pan.
9 In a large saucepan, melt 1/2 cup butter. Remove from heat, and stir in sugar, eggs, and 1/2 cup flour.
10 Bake in preheated oven for 25 to 30 minutes. Do not overcook.
11 To Make Frosting: Combine 3 tablespoons softened butter, 3 tablespoons cocoa, honey, 1 teaspoon vanilla extract, and 1 cup confectioners' sugar. Stir until smooth. Frost brownies while they are still warm.
12 Link: http://allrecipes.com/recipe/10549/best-brownies/
13
14
15 TAGS: deserts, brownies TAGS
16
17 =====

```

Link has been created.

Now move onto the TAGS.

The way a type a head control works, is that if the TAG does not exist in the vocabulary (named tags), the Drupal system will add the word to the vocabulary.

Once added, if you start typing a word that has similar letter, the control displays the word in a drop-down control.

Create Article

Home » Add content

Title *
Brownie Directions 1

Body (Edit summary)

Preheat oven to 350 degrees F (175 degrees C). Grease and flour an 8-inch square pan.
In a large saucepan, melt 1/2 cup butter. Remove from heat, and stir in sugar, eggs, and 1/2 cup flour. Beat in 1/3 cup cocoa, 1/2 cup flour, salt, and baking powder. Spread batter into prepared pan. 2
Bake in preheated oven for 25 to 30 minutes. Do not overcook.
To Make Frosting: Combine 3 tablespoons softened butter, 3 tablespoons cocoa, honey, 1/2 cup flour, and 1 cup confectioners' sugar. Stir until smooth. Frost brownies while they are still warm.

Link: <http://allrecipes.com/recipe/10549/best-brownies/> 3

body p a

Text format Basic HTML 4 About text formats

Tags
Enter a comma-separated list. For example: Amsterdam, Mexico City, "Cleveland, Ohio"

Enter TAGS “deserts, brownies”

Last saved: Not saved
Author: mchase
 Create new revision
Revision log message:
Briefly describe the changes made to this revision.

► MENU SETTINGS
► COMMENT SETTINGS
► URL PATH SETTING
► AUTHORIZING INFORMATION
► PROMOTIONS

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To Make Frosting: Combine 3 tablespoons softened butter, 3 tablespoons cocoa, honey, 1 teaspoon vanilla extract, and 1 cup confectioners' sugar. Stir until smooth. Frost brownies while they are still warm.

Link: <http://allrecipes.com/recipe/10549/best-brownies/>

body p a

Text format Basic HTML About text formats ?

Tags

deserts, brownies 4

Enter a comma-separated list. For example: Amsterdam, Mexico City, "Cleveland, Ohio"

Image

Choose File No file chosen 5

One file only.
128 MB limit.
Allowed types: png gif jpg jpeg.

Save and publish Preview

In a File Manager, open the Assets Pictures folder and locate the brownies.png image file

The screenshot shows a file manager interface with a sidebar on the left containing various folder and file entries. The main area displays a list of files under the 'Pictures' folder. One file, 'brownies.png', is highlighted with a yellow background, indicating it is the target file for the task described in the text above. Other files listed include 'Bird1004.png', 'Bird1007.png', 'BlackSquirrelWInter.png', 'MaineBH1001.png', 'MaineBH1005.png', 'MaineWallopBuoys.png', 'MaineWhaleBone.png', 'Peanut-Butter-Cookies.png', 'Squirrel1003.png', 'Squirrel1004.png', 'Squirrel1006.png', 'Squirrel1007.png', 'Squirrel1008.png', and 'sugar cookies.png'. Each file has a green checkmark icon next to it.

1. Select (click) the Image chooser, and select the brownies image from the Assets Pictures folder'

OR

2. Drag and drop the brownies.png file onto the Choose file widget

Enter Alternate text:

Please end Alt Text with a period followed by a space, for the WEB reader apps for the vision impaired (blind).

7. Enter Author Revision comments

8. Menu Settings; UNCHECKED

9. Comment Settings; Closed

10. Promotion Options: Promoted to front page

11 Press "Save and publish" to publish this Brownie Article to the front page of your site

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deserts, brownies

Enter a comma-separated list. For example: Amsterdam, Mexico City, "Cleveland, Ohio"

Image



Alternative text *

A picture of a brownie.

This text will be used by screen readers, search engines, or when the image cannot be loaded.

 brownie.png (331.77 KB) [Remove](#)

[Save and publish](#) [Preview](#)

11

Published Article (1) title (2) Body (3) Body Link (4) Tags
→ This is only a preview. Select Manage to go to the home page

My Drupal 8 Test Site

Home About me

✓ Article [Brownie Directions](#) has been created.

Home

Search

View Edit Delete

Submitted by [mchase](#) on Sun, 03/26/2017 - 23:55

Tools

Add content

Brownie Directions 1



Prep 15 m
Cook 10 m
Ready In 25 m

2

Preheat oven to 375 degrees F (190 degrees C). In a small bowl, stir together flour, baking soda, and baking powder. Set aside. In a large bowl, cream together the butter and sugar until smooth. Beat in egg and vanilla. Gradually blend in the dry ingredients. Roll rounded teaspoonsfuls of dough into balls, and place onto ungreased cookie sheets. Bake 8 to 10 minutes in the preheated oven, or until golden. Let stand on

cookie sheet two minutes before removing to cool on wire racks.

Preheat oven to 350 degrees F (175 degrees C). Grease and flour an 8-inch square pan.

In a large saucepan, melt 1/2 cup butter. Remove from heat, and stir in sugar, eggs, and 1 teaspoon vanilla. Beat in 1/3 cup cocoa, 1/2 cup flour, salt, and baking powder. Spread batter into prepared pan.

Bake in preheated oven for 25 to 30 minutes. Do not overcook.

To Make Frosting: Combine 3 tablespoons softened butter, 3 tablespoons cocoa, honey, 1 teaspoon vanilla extract, and 1 cup confectioners' sugar. Stir until smooth. Frost brownies while they are still warm.

Link: <http://allrecipes.com/recipe/10549/best-brownies/>

3

Tags

deserts brownies

4

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The actual Article is displayed as a teaser.

Where only a small portion of the article body is displayed and the bottom of the teaser has a “Read more” link. (See 4 below)

Selecting the “Read more” takes you to the full article.

This screenshot shows a Drupal 8 test site titled "My Drupal 8 Test Site 21". On the left sidebar, there is a search bar and a "Tools" section with "Add content". The main content area displays a brownie directions article. The title "Brownie Directions" is at the top, followed by a timestamp "Submitted by mchase on Sun, 03/26/2017 - 23:55". Below the title is a thumbnail image of a brownie. To the right of the image, the preparation time "Prep 15 m", cooking time "Cook 10 m", and ready time "Ready In 25 m" are listed. A red circle labeled "1" is over the title. A red circle labeled "2" is over the image. A red circle labeled "3" is over the "Add content" link in the sidebar. A red circle labeled "4" is over the "Read more" link at the bottom right of the article.

Selecting the Read more link

This screenshot shows the same Drupal 8 test site after selecting the "Read more" link from the previous screenshot. The page now displays the full "Brownie Directions" article. The title "Brownie Directions" is at the top, followed by "View", "Edit", and "Delete" buttons. Below the title is the timestamp "Submitted by mchase on Sun, 03/26/2017 - 23:55". The main content area features a large image of a brownie. To the right of the image, the preparation time "Prep 15 m", cooking time "Cook 10 m", and ready time "Ready In 25 m" are listed. The article text begins with "Preheat oven to 375 degrees F (190 degrees C). In a small bowl, stir together flour, baking soda, and baking powder. Set aside." It continues with instructions for creaming butter and sugar, adding eggs and vanilla, and blending dry ingredients. It then describes rolling the dough into balls and placing them on ungreased cookie sheets. The baking time is given as 8 to 10 minutes. The article concludes with "Let stand on cookie sheet two minutes before removing to cool on wire racks." Below this, there are additional steps for making frosting, combining softened butter, cocoa, honey, vanilla extract, and confectioners' sugar. A link to the source recipe on Allrecipes.com is provided: <http://allrecipes.com/recipe/10549/best-brownies/>. The sidebar on the left remains the same as in the first screenshot.

Continued Introduction to Adding Site Content – Articles

Independent Exercise 2.1: Create two more Articles

Open the “Deserts.txt” file in an ASCII editor.

Use the file content to create two more front-page Articles:

(1) Sugar Cookie Directions

(2) Three Ingredient Peanut Butter Cookie Directions

Article #1 Settings:

Title: Sugar Cookie Directions

Body:

Prep 15 m

Cook 10 m

Ready In 25 m

Preheat oven to 375 degrees F (190 degrees C). In a small bowl, stir together flour, baking soda, and baking powder. Set aside.

In a large bowl, cream together the butter and sugar until smooth. Beat in egg and vanilla. Gradually blend in the dry ingredients. Roll rounded teaspoonfuls of dough into balls, and place onto ungreased cookie sheets.

Bake 8 to 10 minutes in the preheated oven, or until golden. Let stand on cookie sheet two minutes before removing to cool on wire racks.

Link: <http://allrecipes.com/recipe/9870/easy-sugar-cookies/>

Body Text Changes: Turn the link into a web link

Tags: deserts, cookies ← NOTE: deserts will already exist. It will appear in the type-ahead control

Picture: sugar cookies.png

Menu Settings: None

Comment Settings: Closed

Promotion Options: Promoted to front page

Article #2 Settings:

Title: Three Ingredient Peanut Butter Cookie Directions

Body:

Preheat oven to 350 degrees F (175 degrees C). Line baking sheets with parchment paper.

Combine the peanut butter, white sugar and egg. Mix until smooth.

Drop spoonfuls of dough onto the prepared baking sheet. Bake at 350 degrees F (175 degrees C) for 6 to 8 minutes. Do not overbake! These cookies are best when they are still soft and just barely brown on the bottoms.

Link: <http://allrecipes.com/recipe/11352/three-ingredient-peanut-butter-cookies/>

Body Text Changes: Turn the link into a web link

Tags: deserts, cookies ← NOTE: deserts & cookies will exist and will appear in the control

Picture: Peanut-Butter-Cookies.png

Menu Settings: None

Comment Settings: Closed

Promotion Options: Promoted to front page

Part 3 – Permissions and Themes

Introduction to Permissions – Using the Contact module

1. Core Contact Us – Contact Module

The Core Contact module creates the contact us page.

It comes preconfigured and is a perfect module to examine to learn about how permissions work in Drupal.

Permissions tie role based security to modules.

Essentially, every module installed that has a client facing user interface (form or page) must be permissioned before it's used.

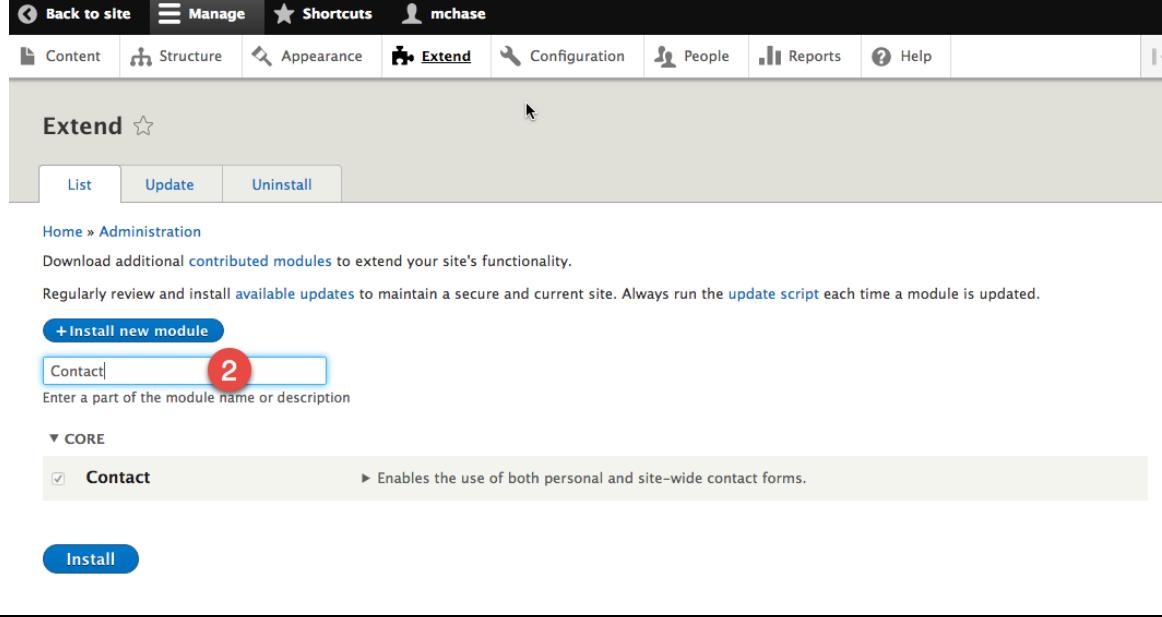
If you do not permission it correctly, the modules user interface will not be visible to anonymous users.

To examine permissions, lets find the Contact module on the Extend page and examine its permission settings.

(1) As the site admin, select the Extend menu link

The screenshot shows the Extend page of the Drupal administration interface. At the top, there is a navigation bar with links for Back to site, Manage, Shortcuts, and a user profile (mchase). Below the navigation bar, there are tabs for Content, Structure, Appearance, Extend (which is highlighted with a red arrow and a circled '1'), Configuration, People, Reports, and Help. The main content area is titled 'Extend' with a star icon. It contains three buttons: List, Update, and Uninstall. Below these buttons, there is a message: 'Home » Administration Download additional contributed modules to extend your site's functionality. Regularly review and install available updates to maintain a secure and current site. Always run the update script each time a module is updated.' There is a blue button labeled '+ Install new module'. Below this button is a search field with placeholder text 'Filter by name or description' and a text input field with placeholder text 'Enter a part of the module name or description'. A section titled 'CORE' is expanded, showing two modules: 'Actions' and 'Activity Tracker'. Each module has a checkbox and a brief description. A red arrow points to the 'Extend' tab in the navigation bar, and a red circle with the number '1' is placed near the arrow.

- (2) To quickly find the Contact module , enter Contact in the filter by name or description



The screenshot shows the Extend page of the Drupal admin interface. At the top, there are tabs for Back to site, Manage, Shortcuts, and the user mchase. Below these are links for Content, Structure, Appearance, Extend (which is highlighted), Configuration, People, Reports, and Help.

The main title is "Extend". Below it are three buttons: List, Update, and Uninstall. A breadcrumb navigation shows Home > Administration.

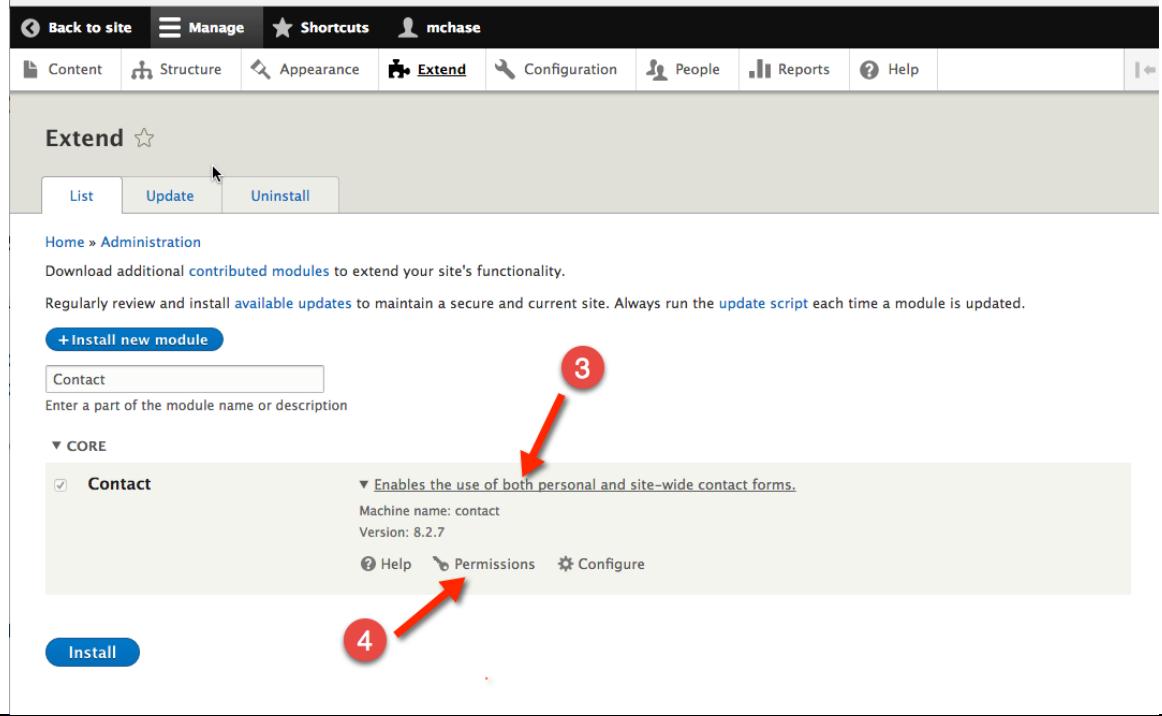
A search bar contains the text "Contact" with a red circle containing the number "2" over it. Below the search bar is a placeholder text: "Enter a part of the module name or description".

A section titled "CORE" is expanded, showing a list of modules. The "Contact" module is selected, indicated by a checked checkbox. Its description is: "Enables the use of both personal and site-wide contact forms.".

At the bottom of the page is a blue "Install" button.

- (3) Open the Contact description (click on it)

- (4) Select the Permissions link to go to the Permissions page (at Contact)



This screenshot shows the detailed description of the Contact module on the Extend page.

The top navigation and tabs are identical to the previous screenshot. The search bar also contains "Contact" with a red circle containing the number "2".

The "CORE" section is expanded, showing the "Contact" module with a checked checkbox. Its description is: "Enables the use of both personal and site-wide contact forms." A red arrow labeled "3" points to this description.

Below the description, the module's machine name is listed as "contact", its version as "8.2.7", and three links: Help, Permissions (which is highlighted with a red arrow labeled "4"), and Configure.

At the bottom of the page is a blue "Install" button.

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Another way to get to the permissions page:

1. Select the People menu link
2. Select the Permissions Tab – (You have to search for Contact this way)

The screenshot shows the 'People' administration page. At the top, there are tabs for 'List', 'Permissions' (which is highlighted in blue), and 'Roles'. Below the tabs, there is a breadcrumb navigation path: 'Home > Administration'. A red arrow labeled '2' points to the 'Permissions' tab. A red circle labeled '1' points to the 'People' menu item in the top navigation bar.

Evaluating Role Based Permissions

ADMINISTRATOR – is a Role. If are the site admin, you have this role

- (1) Administer contact forms – can only be done by the **ADMINISTRATOR**
- (2) Site wide contact form – Can be used (seen & used) by all Roles, including **ANONYMOUS USER** (*users who are not logged in to the site*)

The screenshot shows the 'Permissions' table for the 'Contact' permission. The table has columns for 'PERMISSION', 'ANONYMOUS USER', 'AUTHENTICATED USER', and 'ADMINISTRATOR'. The 'Contact' row contains three items: 'Administer contact forms and contact form settings' (checkbox 1), 'Use the site-wide contact form' (checkbox 2), and 'Use users' personal contact forms'. The 'Use the site-wide contact form' row is highlighted with a yellow box. Both checkboxes 1 and 2 are checked for the 'ADMINISTRATOR' role.

PERMISSION	ANONYMOUS USER	AUTHENTICATED USER	ADMINISTRATOR
Contact			
Administer contact forms and contact form settings	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Use the site-wide contact form	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Use users' personal contact forms	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Contextual Links			
Use contextual links	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

2. **Drupal.org on Roles**

a. <https://www.drupal.org/node/120614>

- i. One of the great features of Drupal is the ability to control how and what people can access on your site. You can set permissions for these "users" to define who can do what for Drupal core features and contributed modules. For example, you probably won't want casual visitors to edit your homepage. However, the site owner or trusted user should be able to do so. To learn more about the term "user", learn about Differentiating the Four Different Kinds of "Users" Encountered When Installing Drupal.
- ii. Drupal allows you to setup any number of different kinds of users or 'Roles'. Many websites have editor and site administrator roles; editors to make content updates and site admins to install new modules and make larger configuration changes.
- iii. Out of the box, Drupal recognizes two types of site visitors - those who are logged in (or 'Authenticated' users) and those who are not (or 'Anonymous' users).
- iv. The exception is the first user created (user/1).
 - 1. User/1 – The site creator & is a Site Administrator
 - (1) Has the Role Administrator
 - 2. Authenticated user – has an account on the site
 - 3. Anonymous user – not logged into the site. A site visitor.
- v. Although it is not necessary, many sites have additional levels of users.

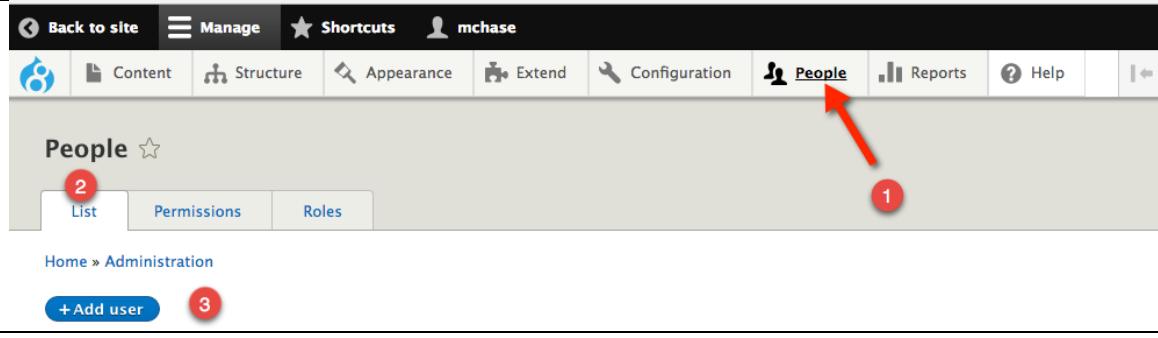
3. Role based security walk-thought – Review & demonstration
 - b. User roles – Anonymous, Authenticated, and Administrator
 - c. Roles > List
 - d. Roles > Permissions – Tie Modules & Permissions (Demo)

(A) Access Roles and Permissions by selecting the People menu link

(1) List – Lists all user accounts
(2) Permissions – Lists all modules and their Role Permissions
(3) Roles – Edit the Role name
(4) +Add user – Goes to the Add a user form
(5) Filter – filter the role search
(6) Action – apply changes to selected users
(7) The user list

4. Add a new User

(1) Select People
 (2) Should be on the List TAB
 (3) Select +Add user button



Enter in username, email, password and status.
 If set to active, the account is active once you save it.

Add user

Home » Administration » People

This web page allows administrators to register new users. Users' email addresses and usernames must be unique.

Email address A valid email address. All emails from the system will be sent to this address. The email address is not made public and will only be used if you wish to receive a new password or wish to receive certain news or notifications by email.

Username Several special characters are allowed, including space, period (.), hyphen (-), apostrophe ('), underscore (_), and the @ sign.

Password Password strength:

Confirm password Passwords match:

Provide a password for the new account in both fields.

Status Blocked Active

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- (6) Set the user Role based security
- (7) Notify user of new account – Sends them an email with a site login link
- (8) Picture
- (9) Set Time zone
- (10) Submit button

Roles

Authenticated user 6

Administrator 6

My custom role 6

Notify user of new account 7

Picture

No file chosen 8

Your virtual face or picture.
One file only.
30 KB limit.
Allowed types: png gif jpg jpeg.
Images larger than 85x85 pixels will be resized.

▼ CONTACT SETTINGS

Personal contact form
Allow other users to contact you via a personal contact form which keeps your email address hidden. Note that some privileged users such as site administrators are still able to contact you even if you choose to disable this feature.

▼ LOCALE SETTINGS

Time zone 9
Select the desired local time and time zone. Dates and times throughout this site will be displayed using this time zone.

10

Welcome message after adding new account.
Email sent to user, if the send email option was selected.

Add user ★

Home » Administration » People

✓ A welcome message with further instructions has been emailed to the new user [mchase2](#).

This web page allows administrators to register new users. Users' email addresses and usernames must be unique.

Email address 11

A valid email address. All emails from the system will be sent to this address. The email address is not made public and will only be used if you wish to...

5. Add a new Role

(1) Select People

(2) Should be on the List TAB, select the Roles TAB

Back to site Manage Shortcuts mchase

Content Structure Appearance Extend Configuration Reports Help

People

People ★

List Permissions Roles

Home » Administration

+ Add user

* On the Roles TAB

(3) Press the +Add role button

Content Structure Appearance Extend Configuration People Reports Help

Roles ★

List Permissions Roles

Home » Administration » People

A role defines a group of users that have certain privileges. These privileges are defined on the [Permissions page](#). Here, you can define the names and the display sort order of the roles on your site. It is recommended to order roles from least permissive (for example, Anonymous user) to most permissive (for example, Administrator user). Users who are not logged in have the Anonymous user role. Users who are logged in have the Authenticated user role, plus any other roles granted to their user account.

+ Add role 3

NAME	OPERATIONS
Anonymous user	Edit
Authenticated user	Edit
Administrator	Edit

Show row weights

Save

(4) Enter role name

(5) Press the Save button

Add role ★

Home » Administration » People » Roles

Role name *

My custom role 4 Machine name: my_custom_role [Edit]

The name for this role. Example: "Moderator", "Editorial board", "Site architect".

Save 5

Role has been added to the system

The screenshot shows the 'Roles' page in the Drupal administration interface. At the top, there are tabs for 'List', 'Permissions', and 'Roles'. Below the tabs, a success message says 'Role My custom role has been added.' A note explains that roles define groups of users with privileges. The table lists roles: 'Anonymous user', 'Authenticated user', 'Administrator', and 'My custom role'. Each role has an 'Edit' button next to it. A 'Save' button is at the bottom.

NAME	OPERATIONS
Anonymous user	<button>Edit</button>
Authenticated user	<button>Edit</button>
Administrator	<button>Edit</button>
My custom role	<button>Edit</button>

Select the OPERATIONS dropdown to Edit, Edit permissions, Delete the role

This screenshot shows the same 'Roles' page as above, but with a mouse cursor hovering over the 'Edit' dropdown menu for the 'My custom role' row. The menu is open and displays three options: 'Edit', 'Edit permissions', and 'Delete'. A green star icon is placed near the 'Edit' button in the table.

NAME	OPERATIONS
Anonymous user	<button>Edit</button>
Authenticated user	<button>Edit</button>
Administrator	<button>Edit</button>
My custom role	* <button>Edit</button> * <button>Edit permissions</button> * <button>Delete</button>

Improving the Drupal 8 Administration toolbars and menus

Extending Administration Menus through Modules

Notes on Versions:

Note that when examining a particular release available on these pages, the first part of the version number shows you which major release series of Drupal core a module, theme, or translation is compatible with. For example, a module with a version number of 7.x-1.2 will only work with Drupal 7, whereas a module with a version number of 8.x-1.2 will only work with Drupal 8.

Goal:

To install modules that improve the default Drupal Toolbar (the administration menu at the top of your site) to transform it into a drop-down menu, providing a fast access to all administration pages.

Modules:

1. Admin toolbar: https://www.drupal.org/project/admin_toolbar
2. Toolbar menu: https://www.drupal.org/project/toolbar_menu

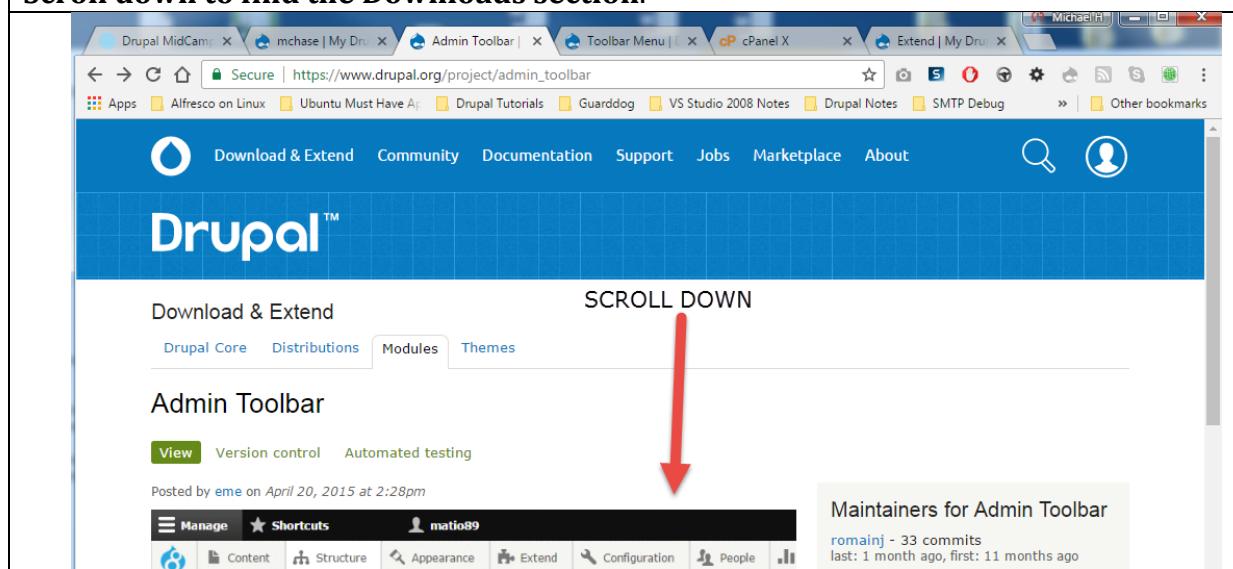
Adding a contrib. module to our Drupal site.

STEPS:

1. Open a web browser and navigate to the Module Project page
https://www.drupal.org/project/admin_toolbar

Read about the module project page.

Scroll down to find the Downloads section.



2. Decide which Version to download.

Stable releases are tagged with a shield symbol.

Version numbering syntax:

8.x is the compatible Drupal core version.

8.x-1.18 = Drupal 8 core, version 1.18 Stable release (**RECOMMENDED**)

8.x-1.x-dev = Drupal 8 core, version 1.x-dev - A nightly development snapshot

Downloads: 257,697
Automated tests: Enabled
Last modified: January 27, 2017

Stable releases for this project are covered by the security advisory policy.
Look for the shield icon below.

Downloads

Version	Download	Date
8.x-1.18	tar.gz (16.93 KB) zip (26.88 KB)	2016-Dec-01
Development releases		
8.x-1.x-dev	tar.gz (17.07 KB) zip (27.03 KB)	2017-Feb-24

[View all releases](#)

3. Download type: tar.gz or zip

If your web host or computer is a Linux based (Mac or Linux) – use ttar.gz

If your web host or computer is a Windows – use the zip

4. We do not have to download the file. We can capture the file path in a copy buffer

and back in the Drupal site, paste the file path into a text box.

5. To select the file path:

a. **Right click** on the file (tar.gz or zip)

b. Select “**Copy link address**”

Stable releases for this project are covered by the security advisory policy.
Look for the shield icon below.

Downloads

Version	Download	Date
8.x-1.18	tar.gz (16.93 KB) zip (26.88 KB)	2016-Dec-01
Development releases		
8.x-1.x-dev	tar.gz (17.07 KB) zip (27.03 KB)	2017-Feb-24

[View all releases](#)

Open link in new tab
Open link in new window
Open link in incognito window
Save link as...
Copy link address
AdBlock
Capture with Snagit
Inspect Ctrl+Shift+I

6. On the Drupal, access the Extend page

7. On the Extend page, select the “+ Add new module” button

The screenshot shows the Extend page in the Drupal admin interface. At the top, there is a navigation bar with links for Back to site, Manage, Shortcuts, and a user icon for mchase. Below the navigation bar, there are tabs for Content, Structure, Appearance, Configuration, and People. The Extend tab is highlighted with a red arrow labeled '6' pointing to it. Under the Extend tab, there are three buttons: List, Update, and Uninstall. Below these buttons is a search bar labeled 'Filter by name or description' and a text input field with placeholder text 'Enter a part of the module name or description'. A large blue button labeled '+ Install new module' is highlighted with a red arrow labeled '7' pointing to it.

8. Paste the download file path into the “Install from URL” text box.

Verify that the path is correct (It's the right module & right Drupal version)

9. Press the Install button

The screenshot shows the 'Install new module' page. At the top, there is a breadcrumb trail: Home > Administration > Extend. Below the breadcrumb, there is a message: 'You can find modules and themes on drupal.org. The following file extensions are supported: zip tar tgz gz bz2.' There are two main sections for installation: 'Install from a URL' and 'Upload a module or theme archive to install'. In the 'Install from a URL' section, there is a text input field containing the URL 'https://ftp.drupal.org/files/projects/admin_toolbar-8.x-1.18.tar.gz' with a red circle labeled '1' next to it. Below this field is a note: 'For example: http://ftp.drupal.org/files/projects/name.tar.gz'. In the 'Upload a module or theme archive to install' section, there is a 'Choose File' button with the text 'No file chosen' and a note: 'For example: name.tar.gz from your local computer'. At the bottom of the page is a blue 'Install' button with a red circle labeled '2' next to it.

Success message page appears

10. In our case, select “**Administration pages**”

My Drupal 8 Test Site 21

Update manager

Installation was completed successfully.

admin_toolbar

- Installed *admin_toolbar* successfully

Next steps

- [Install another module](#)
- [Enable newly added modules](#)
- [Administration pages](#)

1

Continued Extending Drupal Admin toolbar with Modules

Independent Exercise 3.1: Install the “Toolbar menu” module

Module Name: Toolbar menu

Project Page URL: https://www.drupal.org/project/toolbar_menu

Repeat the steps above to find and install the Toolbar menu module.

Extending Administration Modules Page through Modules

Enabling and configuring the newly added modules

Before an installed module can extend Drupal, it must be enabled, permissioned and configured.

Modules without a client facing user interface usually are not permissioned.

Let's enable the Admin toolbar and Toolbar menu modules

1. Select the Extend menu option
2. Filter modules by name. Enter "Admin Tool"
3. Check Admin Toolbar checkbox – to enable
4. Check Admin toolbar Extra Tools – to enable
5. Press the "Install" button

The screenshot shows the 'Extend' page in the Drupal administration interface. At the top, there is a navigation bar with links for Content, Structure, Appearance, Extend (which is highlighted), Configuration, People, Reports, and Help. Below the navigation bar, there is a breadcrumb trail: Home > Administration. The main content area has a heading 'Extend' with a star icon. There are three tabs: List, Update, and Uninstall. The 'List' tab is selected. A red arrow labeled '1' points to the 'Extend' menu item in the navigation bar. In the search bar, the text 'Admin Tool' is entered, with a red arrow labeled '2' pointing to the search input field. Below the search bar, there is a placeholder text 'Enter a part of the module name or description'. Under the heading 'ADMINISTRATION', there are two items listed: 'Admin Toolbar' and 'Admin Toolbar Extra Tools'. Each item has a checkbox next to its name. Red circles labeled '3' and '4' are placed next to the checkboxes for 'Admin Toolbar' and 'Admin Toolbar Extra Tools' respectively. A red arrow labeled '5' points to the 'Install' button at the bottom left of the list. The 'Install' button is highlighted with a blue background and white text.

6. After the Install has completed, a success message appears
7. Check the modules to determine if they require additional permissions and configuration settings. **(SEE BELOW)**
8. Select Extend menu option
 - (A) Shrink up the Core module list
 - (B) Open up the **Admin Toolbar** module description
 1. Check for links to Permissions and or Configuration
 - (C) Open up the **Admin Toolbar Extra Tools** description
 1. Check for links to Permissions and or Configuration

Neither module has links for Permission and confirmation.

Both modules are enabled (checked), so they are ready to use.

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A ► CORE

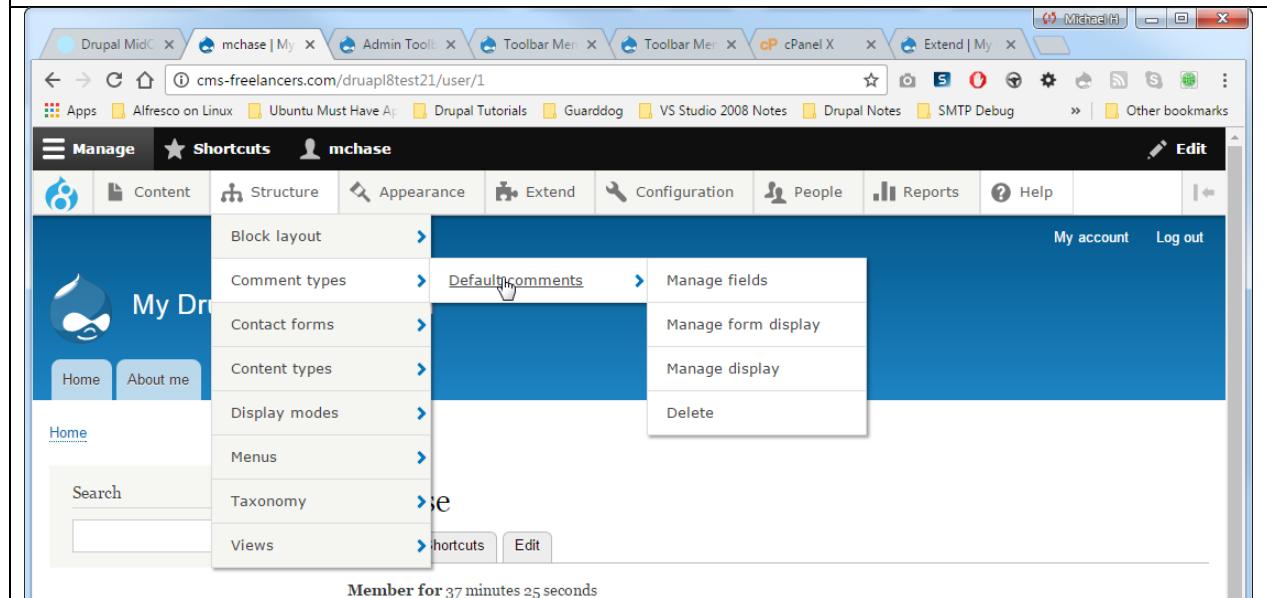
▼ ADMINISTRATION

Admin Toolbar B ▼ Provides a drop-down menu interface to the core Drupal Toolbar.
Machine name: admin_toolbar
Version: 8.x-1.18
Requires: Toolbar,Breakpoint
Required by: Admin Toolbar Extra Tools
[? Help](#) 1

Admin Toolbar Extra Tools C ▼ Adds menu links to the Admin Toolbar.
Machine name: admin_toolbar_tools
Version: 8.x-1.18
Requires: Admin Toolbar,Toolbar,Breakpoint
[? Help](#) 2

Admin Toolbar module extensions:

The Administrative submenu bar has been extended, it now operates with dropdown menu items



Admin Toolbar Extra Tools module extensions:

A new Drupal 8 menu link has been added to the Administrative submenu bar.

It has links to

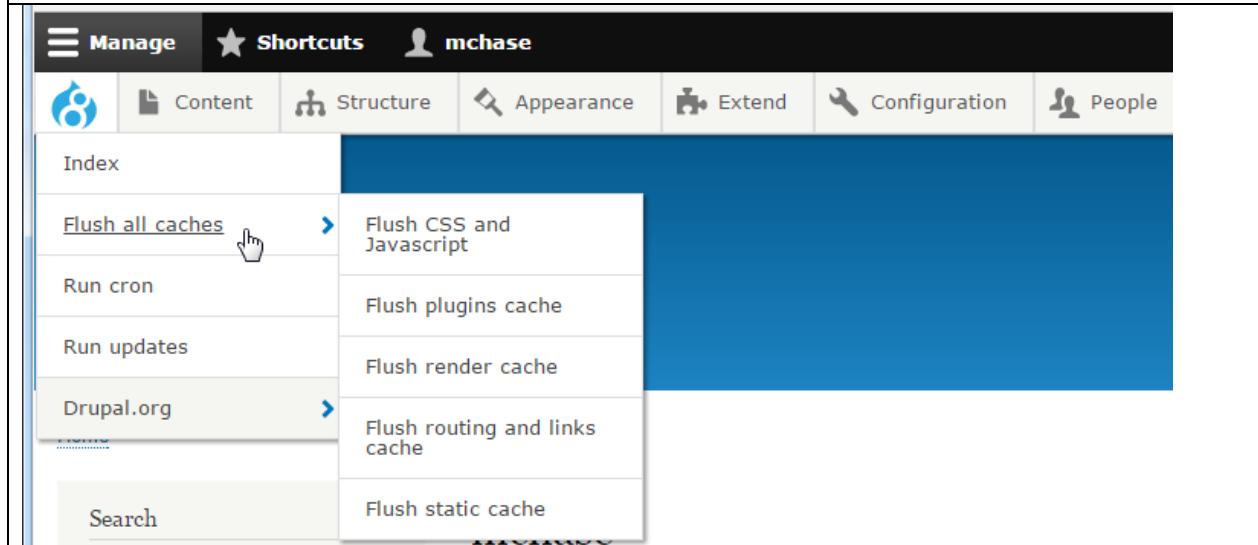
Index - re-index the site

Flush all caches – and individual sub-menu Flush cache menu items

Run cron – to run cron and rebuild the Drupal site

Run updates – run the updates.php script

And a link to **Drupal.org**



Improving the Drupal 8 Modules page

Extending Administration Extend Page through Modules

Independent Exercise 3.2: Install the “MODULE FILTER” module

Background:

The (EXTEND) modules list page can become quite big when dealing with a fairly large site or even just a dev site meant for testing new and various modules being considered. What this module aims to accomplish is the ability to quickly find the module you are looking for without having to rely on the browsers search feature which more times than not shows you the module name in the 'Required by' or 'Depends on' sections of the various modules or even some other location on the page like a menu item.

Goal:

To install modules that improve the default Drupal Toolbar (the administration menu at the top of your site) to transform it into a drop-down menu, providing a fast access to all administration pages.

Module Name: Module Filter

Project Page URL: https://www.drupal.org/project/module_filter

Repeat the steps above to find and install and enable the **Module Filter** module.

Hints:

- Selecting the correct download:
- We are running Drupal 8 core and we are interested in a stable version of the Module filter module
- Tar.gr files are for Linux computers and Zip files are for Windows computers

* If you are unsure which version or file to download, please ask for assistance.

Downloads		
Version	Download	Date
8.x-3.0 	tar.gz (20.13 KB) zip (30.94 KB)	2017-Jan-02
7.x-2.0 	tar.gz (28.45 KB) zip (36.11 KB)	2015-Feb-22
Development releases		
8.x-3.x-dev	tar.gz (20.13 KB) zip (30.94 KB)	2017-Mar-26
7.x-2.x-dev	tar.gz (28.93 KB) zip (37.83 KB)	2017-Feb-01
View all releases		

When you are done installing and enabling the Module Filter module, the Extend

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page will look like the page below

BEFORE:

The screenshot shows the 'Extend' page under 'Administration'. The top navigation bar includes 'Back to site', 'Manage', 'Shortcuts', and a user icon. The 'Extend' tab is selected. Below the tabs are buttons for 'List', 'Update', and 'Uninstall'. A breadcrumb trail shows 'Home > Administration'. A note says 'Download additional contributed modules to extend your site's functionality.' It advises regular review and installation of available updates. A prominent blue button '+ Install new module' is at the top right. A search bar 'Filter by name or description' is followed by a placeholder 'Enter a part of the module name or description'. A section titled 'CORE' is expanded, showing several modules with checkboxes and descriptions. Modules listed include 'Actions', 'Activity Tracker', 'Aggregator', 'Automated Cron' (which is checked), 'Ban', and 'Block'. A note about 'Block' explains its function: 'Controls the visual building blocks a page is constructed with. Blocks are boxes of content rendered into an area or region of a web page.'

AFTER:

The screenshot shows the 'Extend' page after modifications. The top navigation bar remains the same. The 'Content' tab is now selected instead of 'Extend'. The rest of the interface is identical to the 'BEFORE' screenshot, including the 'List', 'Update', and 'Uninstall' buttons, the 'CORE' module list, and the 'Block' note.

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Extending Drupal through Front End Client Facing Themes

What is a theme?

- Themes change the look and feel of the client facing Drupal website.
- A theme is a collection of files of various extensions that define the presentation layer.
- You can also create one or more "sub-themes" or variations on a theme.
- Drupal 8 themes are defined with an .info.yml file.
Twig is the default template engine for Drupal 8.
- Themes contain defined regions, where we can position content blocks.

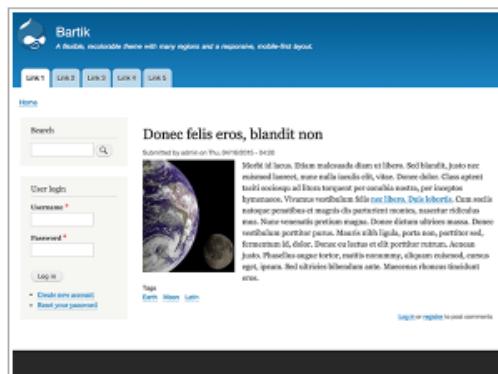
There are two types of Drupal themes. Front end Client-Facing and Administrative themes. They are different types of themes and should not be used interchangeably.
Do not set an Administrative theme as a default Front end theme.
Do not set a front-end theme as the site Administrative theme.

Setting the Administrative theme is done on the Appearance page, at the bottom, in the ADMINSTRAION THEME section. Seven is the default Administrative theme.

The screenshot shows the 'ADMINISTRATION THEME' configuration page. It has a dropdown menu set to 'Seven'. Below it is a note: 'Choose "Default theme" to always use the same theme as the rest of the site.' There is a checked checkbox for 'Use the administration theme when editing or creating content' with a note: 'Control which roles can "View the administration theme" on the [Permissions page](#)'. At the bottom is a blue 'Save configuration' button.

The Default themes are identified on the Appearance page with the text (default theme), to the right of the theme name.

Installed themes



Bartik 8.2.7 (default theme)

A flexible, recolorable theme with many regions and a responsive, mobile-first layout.

Settings

...

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New themes are added to the system as uninstalled.

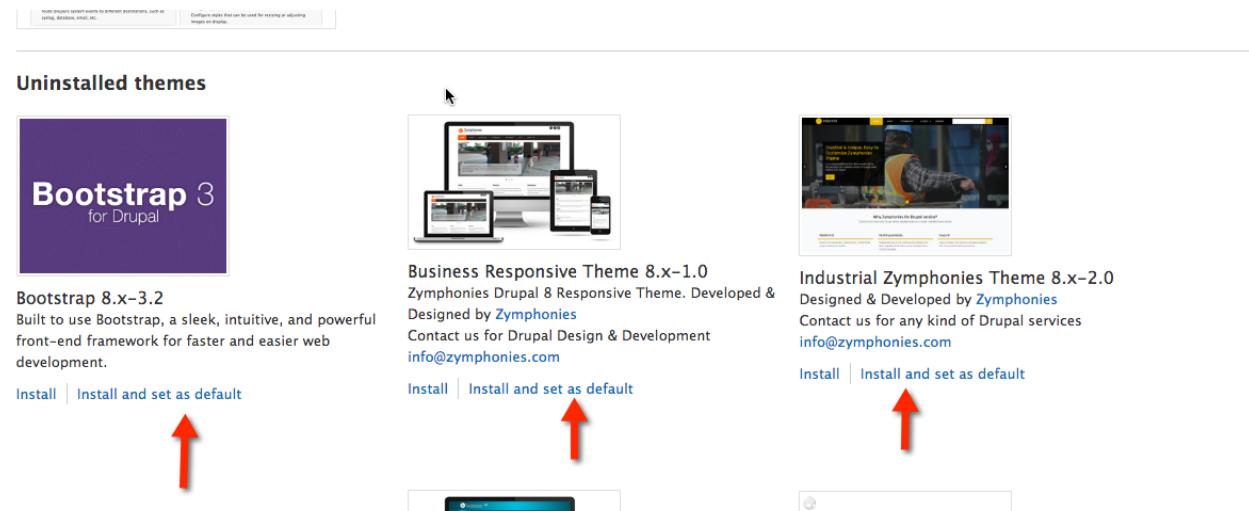
Uninstalled themes are listed toward the bottom of the Appearance page, in the Uninstalled themes section.

Setting the client-facing front-end theme is done within the Appearance page.

Themes can be Installed and set as default by selecting the

"Install and set as default" link.

Once installed and set as default is clicked, the theme is set as the Drupal site's default theme.



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Themes – Installing front end client facing and site administration themes

First theme:

Drupal8 Zymphonies Theme

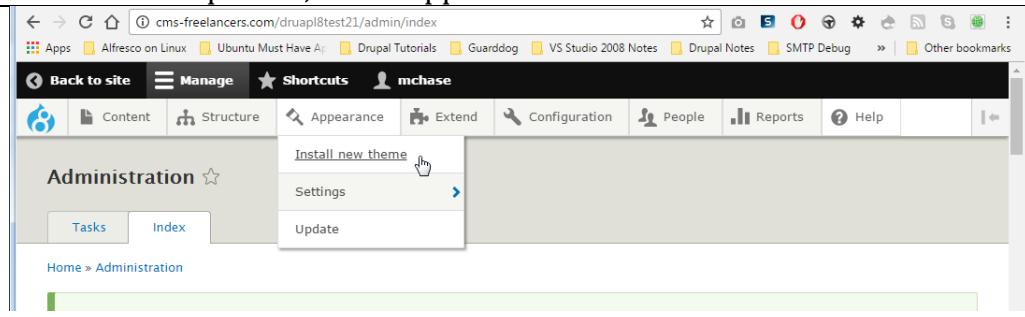
Theme Project Page URL: https://www.drupal.org/project/drupal8_zymphonies_theme

Installing Client-Facing Front End Themes & Setting the default

PLEASE NOTE:

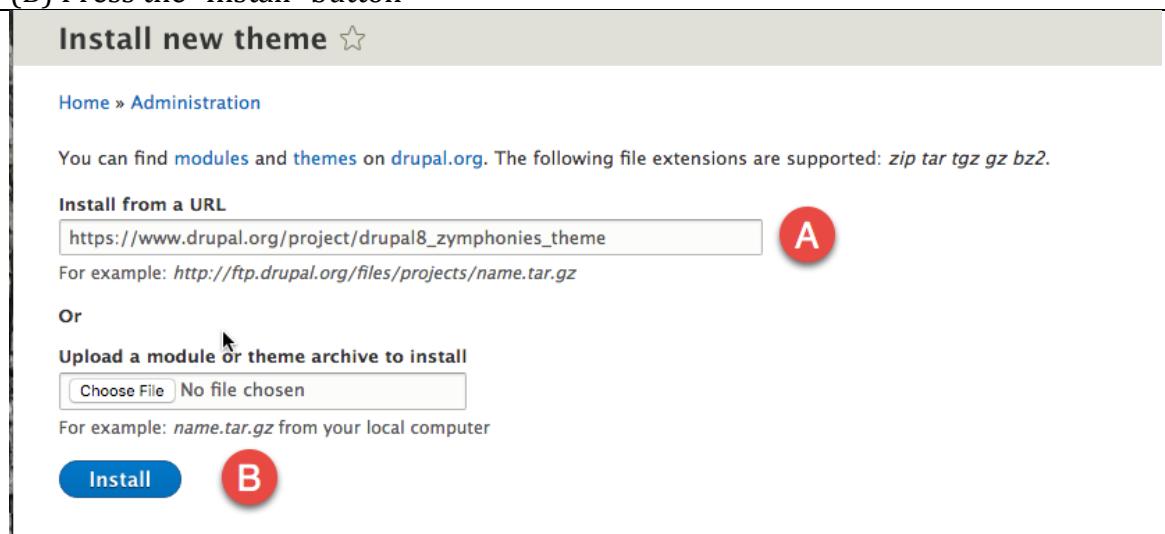
Screen captures refer to a different theme. Please do not install the Custom theme.

Open a web browser and navigate to the theme project page https://www.drupal.org/project/drupal8_zymphonies_theme
1. Scroll down to the Downloads section
2. Select & copy the correct download file path Copy link address
3. On the Drupal site, select Appearance > Install a new theme



On the Install a new theme page:

- (A) Paste the download file path into the “Install from a URL” text box
- Verify that the theme is
(B) Press the “Install” button



Install new theme ☆

Home » Administration

You can find [modules](#) and [themes](#) on [drupal.org](#). The following file extensions are supported: `zip tar tgz gz bz2`.

Install from a URL

A

For example: `http://ftp.drupal.org/files/projects/name.tar.gz`

Or

Upload a module or theme archive to install

No file chosen

For example: `name.tar.gz` from your local computer

B

Upon completion of the install, the success message displays.

(A) Select the [Install newly added themes](#) link to go to the [Appearance](#) page

My Drupal 8 Test Site 21

Update manager

Installation was completed successfully.

drupal8_custom_theme

- Installed drupal8_custom_theme successfully

Next steps

- [Install newly added themes](#)

On the Appearance page, scroll down to the Uninstalled themes section and select the “install and set as default” link

Uninstalled themes

Bootstrap 3 for Drupal

Bootstrap 8.x-3.2
Built to use Bootstrap, a sleek, intuitive, and powerful front-end framework for faster and easier web development.

[Install](#) | [Install and set as default](#)

Business Responsive Theme 8.x-1.0
Zymphonies Drupal 8 Responsive Theme. Developed & Designed by Zymphonies
Contact us for Drupal Design & Development
info@zymphonies.com

[Install](#) | [Install and set as default](#)

Industrial Zymphonies Theme 8.x-2.0
Designed & Developed by Zymphonies
Contact us for any kind of Drupal services
info@zymphonies.com

[Install](#) | [Install and set as default](#)

The selected theme is now at the top of the Appearance page and is listed as the default theme

Appearance [Add to Default shortcuts](#)



[List](#)

[Update](#)

[Settings](#)

[Home](#) » [Administration](#)

Set and configure the default theme for your website. Alternative [themes](#) are available.

You can place blocks for each theme on the [block layout](#) page.

[+ Install new theme](#)

Installed themes

Drupal8 Zymphonies Theme 8.x-1.0 (default theme)

Zymphonies Drupal 8 Responsive Theme. Developed & Designed by [Zymphonies](#)
Contact us for Drupal Design & Development info@zymphonies.com

[Settings](#)

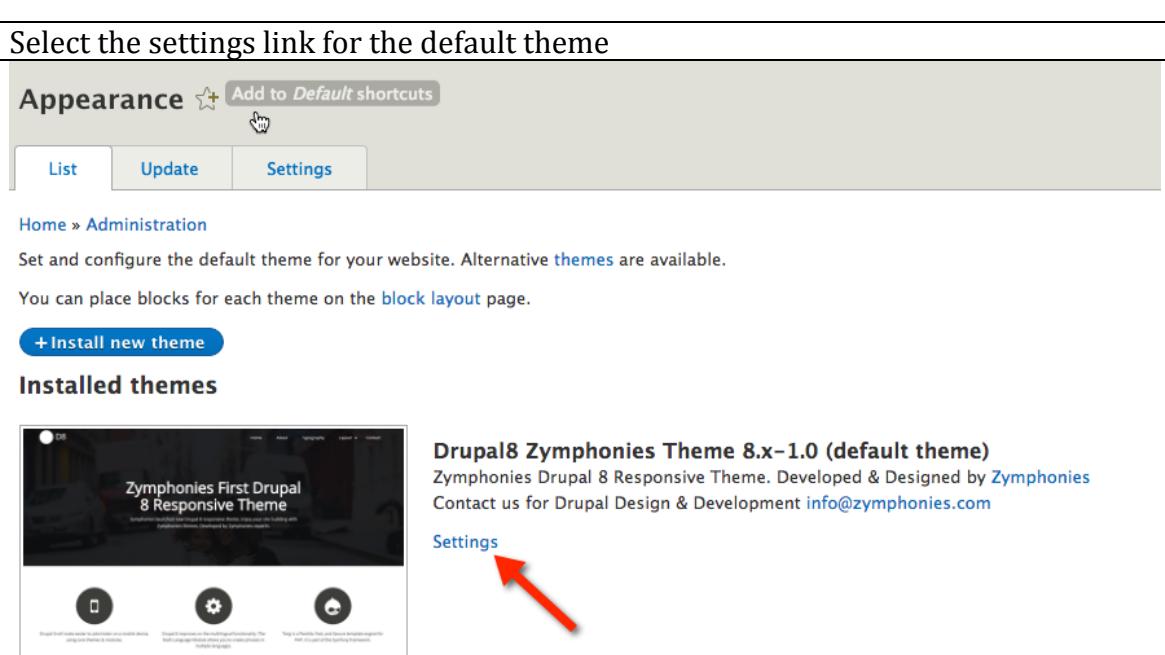
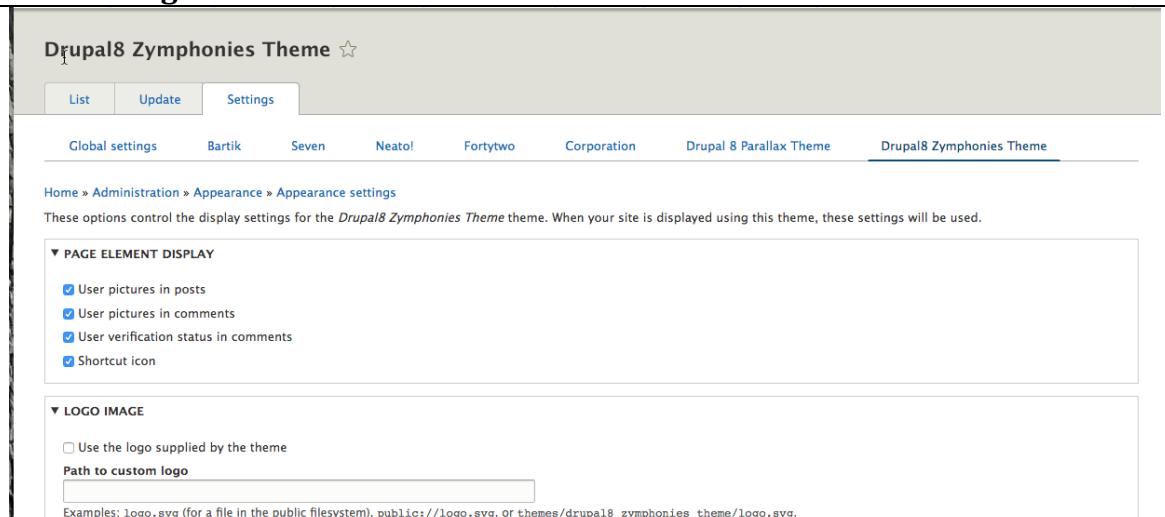
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Configuring the default Client-Facing Front End Theme

Themes must be set as the default theme to display on the site.

To set the theme as the default theme:

Open the Appearance page
Select the settings link for the default theme

Review Page Elements


Review social media link settings

▼ SOCIAL MEDIA LINK

Show Social Icons
Show/Hide social media links

Facebook Link

Google plus Link

Twitter Link

LinkedIn Link

Pinterest Link

RSS Link

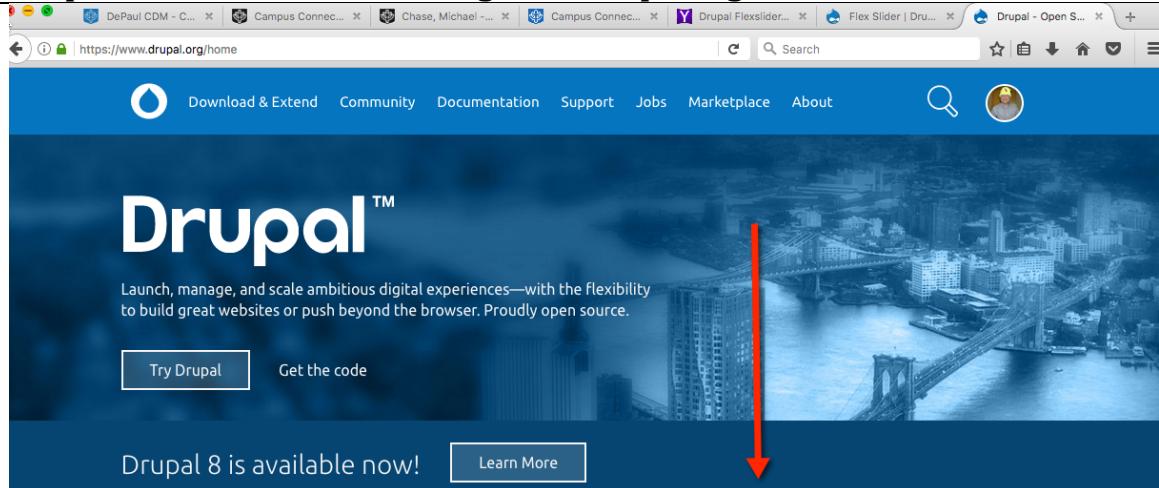
► FOOTER CREDIT LINK

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Independent Exercise 3.3 – Search for Drupal 8 themes on Drupal.org

1. Open a web browser and navigate to Drupal.org



2. Scroll to the bottom footer and select Themes

A screenshot of the Drupal.org footer. The footer is divided into several sections: "More case studies", "Drupal is powered by an open source community" (with "Get involved" button), and three statistics boxes (106,431 users, 2,271 commits, 4,791 comments). At the bottom, there are five columns of links: News, Planet Drupal, Social media directory, Security announcements, Jobs; Community, Getting involved, Services, Training & Hosting, Groups & Meetups, DrupalCon, Code of conduct; Documentation, Drupal 8 docs, Drupal 7 docs, Developer docs, api.drupal.org; Download & Extend, Drupal core, Modules, Themes, Distributions; and About, Web accessibility, The Drupal Association, About Drupal.org, Terms of service, Privacy policy. A red circle highlights the "Themes" link under the "Download & Extend" column. A small note at the bottom states "Drupal is a registered trademark of Dries Buytaert."

Restrict your search to only Drupal 8 themes, by setting Core compatibility to 8.x

The screenshot shows the 'Themes' section of the Drupal.org website. At the top, there are tabs for 'Drupal Core', 'Distributions', 'Modules', and 'Themes'. Below the tabs, a message states '2,439 Themes match your search'. There are several filter dropdowns: 'Maintenance status' (set to 'Any'), 'Development status' (set to 'Any'), 'Core compatibility' (set to '8.x') which is circled in red with the number '3', 'Status' (set to 'Full projects'), and a 'Search Themes' input field containing the number '3' which is also circled in red. A 'Sort by' dropdown is set to 'Most installed'. Below these filters are two buttons: a green 'Search' button and a red '4' button.

Themes allow you to change the look and feel of your Drupal site. You can use themes contributed by others or create your own to share with the community. Contributed themes are not part of any official release and may not have optimized code/functionality for your purposes.

Scroll down and find **Nexus** Theme

The screenshot shows the 'Themes' section of the Drupal.org website. At the top, there are tabs for 'Drupal Core', 'Distributions', 'Modules', and 'Themes'. Below the tabs, a message states '191 Themes match your search' which is highlighted with a yellow box. There are several filter dropdowns: 'Maintenance status' (set to 'Any'), 'Development status' (set to 'Any'), 'Core compatibility' (set to '8.x'), 'Status' (set to 'Full projects'), and a 'Search Themes' input field. A 'Sort by' dropdown is set to 'Most installed'. Below these filters are two buttons: a green 'Search' button and a red '4' button. To the right, there is a sidebar with a thumbnail for 'Maybe the Grass' theme, a text block about advertising, and a 'New Themes' section listing 'True Admin', 'Bridge', 'News Symphonies Theme', and 'Showcase Lite'. A red arrow points from the bottom of the search results area towards the 'New Themes' sidebar.

Themes allow you to change the look and feel of your Drupal site. You can use themes contributed by others or create your own to share with the community. Contributed themes are not part of any official release and may not have optimized code/functionality for your purposes. You can also create a sub-theme of an existing theme. A sub-theme inherits a parent theme's resources. [Read more about Sub-theme structure and inheritance](#). You can also [view a full index](#).

Select the Nexus Theme image to navigate to the Nexus Theme Project page. Once there, copy the correct download file path and install the Nexus Theme and make it your site's default theme

Nexus Theme

Posted by [devsaran](#) on September 4, 2013 at 2:06pm

Nexus theme is an elegant and flat responsive Drupal theme design by Devsaran. This theme could easily be used for a blog, small business, portfolio or a variety of other websites. The theme was designed using flat elements for the header, navigation, buttons and more. This sharp design is elegant, modern and functional. The clean elements are easy for users to understand and make navigating your website a pleasure.

Features

- Responsive, Mobile-Friendly Theme
- Simple, Minimal and Clean Design
- 1-column and 2-columns layout
- Mobile support (Smartphone, Tablet, Android, iPhone, etc)
- Flex Image Slideshow with Caption (Customizable)
- Multi-level drop-down menus (Multilingual menu)
- HTML5 & super clean markup
- A total of 12 block regions
- Drupal standards compliant and Supported standard theme features
- Google Font and nice typography
- Ideal for business, company and portfolio sites
- Detailed CSS rules for Typography, Forms Elements, Node Teaser, Comments, etc.

Like this? Have a look at our [Free Themes](#).



Independent Exercise 3.4 – Find and Install New Drupal 8 Front End Themes

Repeat the Drupal 8 Theme search. Find install and test two different themes. Be careful and do not select Administration themes.

Hint: Last time I tried to install “Adaptive Themes” it did not list on my Themes page,

Part 4 - Contributed Modules + Custom Content Types

Extending the Drupal Site Functionality through Contrib. Modules

Contributed (contrib.) modules extend Drupal by adding additional functionality. How they do that depends on the module. Each module extends Drupal differently, but there are patterns we will explore in this training session.

- (1) Adding a field Formatter to the system so we can make Google Maps
- (3) Adding an entire new Content type, fields and all so we can make FAQs

Acquire a Google Map API key

Google Maps Module: Extends by adding a Field Formatter before we can extend our Drupal site with the Google Map module, every developer must acquire their own Google Map API key.

- (1) Open a web browser and navigate to:

<https://developers.google.com/maps/documentation/javascript/get-api-key>

- (2) Select the “Get A KEY” button (see below)

To use the Google Maps JavaScript API, you must register your app project on the Google API Console and get a Google API key which you can add to your app.

Quick guide to getting a key ↑

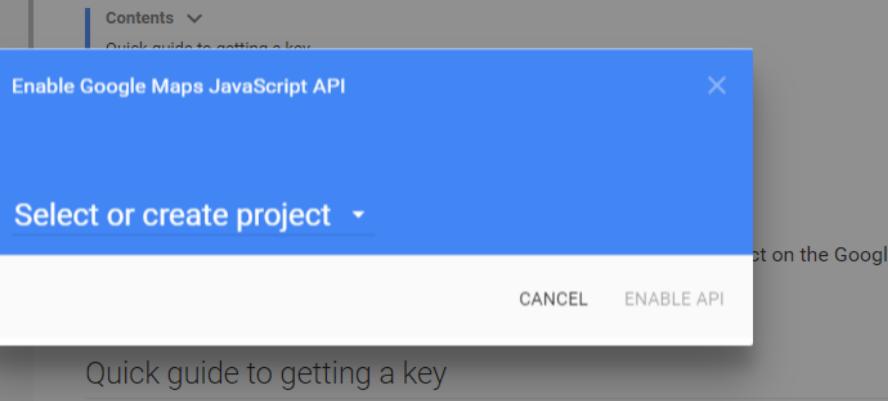
Step 1: Get an API Key from the Google API Console

Click the button below, which guides you through the process of registering a project in the Google API Console, activates the Google Maps JavaScript API and any related services automatically, and generates a generic, unrestricted API key.

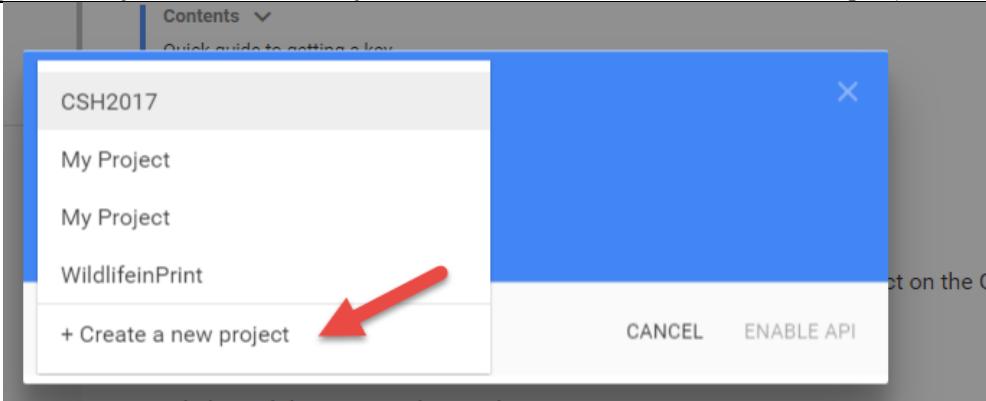
GET A KEY



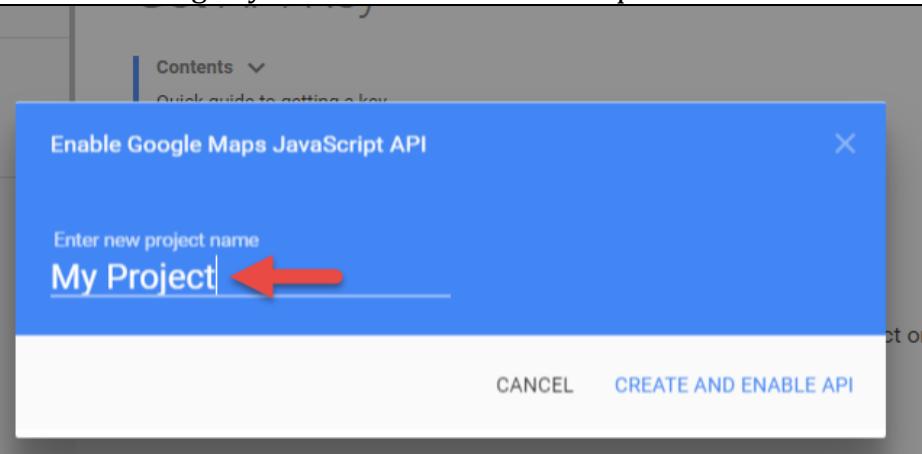
- (3) Select or create a project



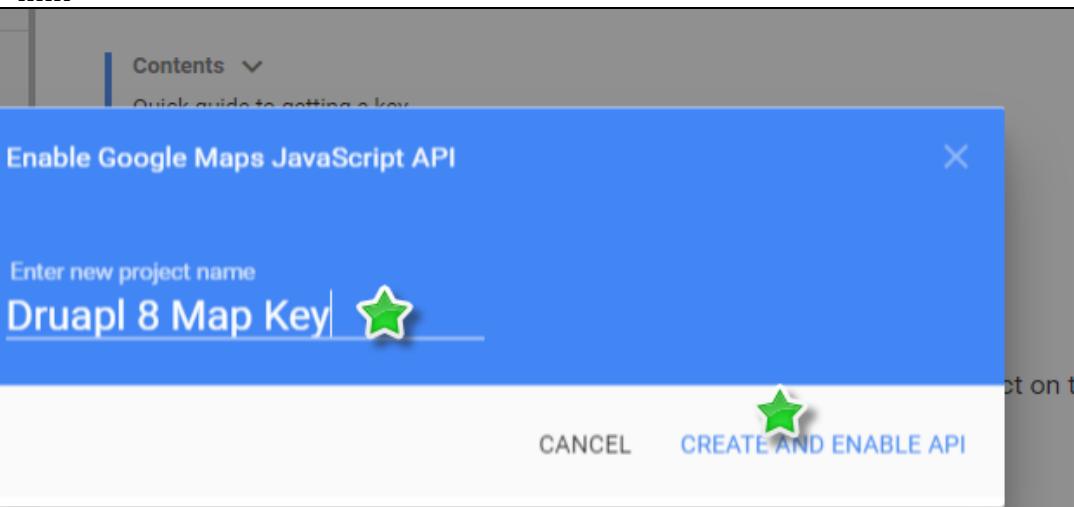
- (4) I already have several keys, so I have to select +Create a new project



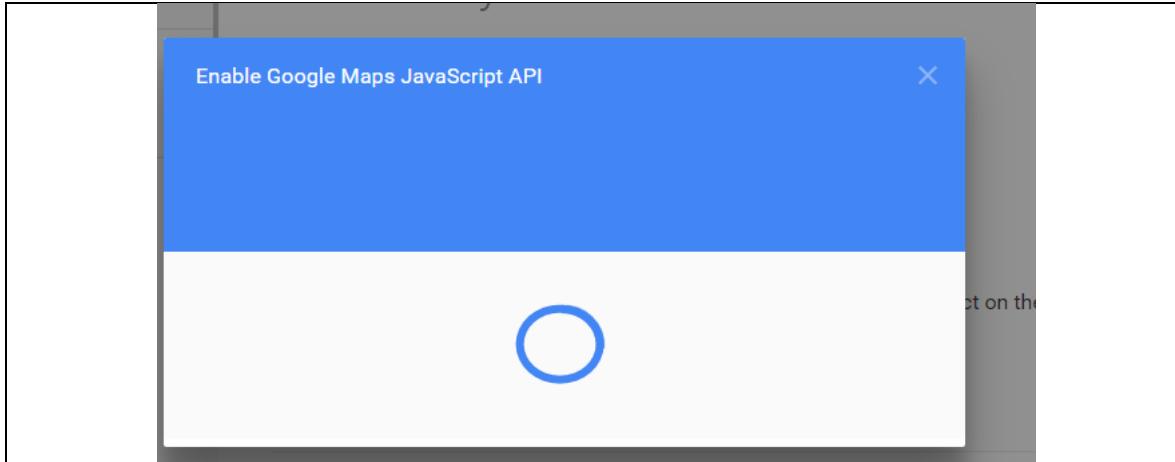
- (5) Back over the default “My Project” name and add your own project name. I selected “**Drupal 8 Map Key**” – Please use your own project name.
Consider adding in your initials to make it unique.



- (6) After entering in the API Project Key, select the “**Create AND ENABLE API**” link



- (7) Please wait while the Key is built



- (8) When the key is built, it displays on the page.
(9) This would be a good time to copy and paste the key to a text file and save it somewhere safe. A good file name also helps. Something like "My Google map API Key 2017.txt"

NOTE: The key below is fake and invalid

A screenshot of the Google API Console. The top bar says "You're all set!". Below it, a message says "You're ready to start developing with Google Maps JavaScript API". Underneath, there is a section labeled "YOUR API KEY" containing the text "ABcdfty65789556661". A red arrow points to this text. To the right of the key is a "Copy" button. Below the key, there is a note: "To improve your app's security, restrict this key's usage in the [API Console](#)". At the bottom right is a "FINISH" button. At the very bottom of the screen, there is a footer bar with the text "Click the button below, which guides you through the process of registering".

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Simple Google Maps Module:

This module is about the simplest way to get a Google Map, and/or a link to a Google Map, displayed with your content. It provides a field formatter for Drupal plain text fields (it can also be used on Computed Fields module fields). You enter an address that Google Maps can recognize in the field, and the formatter displays it as a dynamic map, a static map (without the ability to zoom/pan etc.), a link to Google Maps, or some combination.

The Simple Google Map module extends Drupal by adding a Filed Formatter.

*To take advantage of the extension, we will create a new Content Type, named “**GMap Test**”. We will add a new text field to the content type structure named “Address”. After creating the Address filed, we will change its filed formatter, from text, to Simple Google Map one line address. What this does, is when we create a node of “**GMap Test**”, add a single line address in the Address field, it will be displayed as a Google map on the page.*

High level Overview: <http://cms-freelancers.com/druapl8test21>

3. Install the **Simple Google Map Module**
4. Create new content type (template) named “**GMap Test**”
 - a. Configure the structure to use menu options, not front page display
5. Add a new filed to the content type named Address as a text field
6. In the Manage Display TAB, set Address Field Formatter to Simple Google Map One line Address
7. Create 1 node of type “**GMap Test**”, named “**My GMap Test**”

<ol style="list-style-type: none"> 1. Find and install the “Simple Google Maps Module” <ol style="list-style-type: none"> a. https://www.drupal.org/project/simple_gmap 															
<ol style="list-style-type: none"> 2. Recommend download is 8.x Stable release (3-27-2017 was 8.x-1.2) 															
<p> Stable releases for this project are covered by the security advisory policy. Look for the shield icon below.</p> <p>Downloads</p> <table border="1"> <thead> <tr> <th>Version</th> <th>Download</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>8.x-1.2</td> <td>tar.gz (11.18 KB) zip (13.52 KB)</td> <td>2017-Jan-27</td> </tr> <tr> <td>7.x-1.4</td> <td>tar.gz (10.95 KB) zip (12.22 KB)</td> <td>2017-Jan-27</td> </tr> </tbody> </table> <p>Development releases</p> <table border="1"> <tbody> <tr> <td>8.x-1.x-dev</td> <td>tar.gz (11.15 KB) zip (13.49 KB)</td> <td>2017-Feb-13</td> </tr> <tr> <td>7.x-1.x-dev</td> <td>tar.gz (10.95 KB) zip (12.22 KB)</td> <td>2016-Dec-22</td> </tr> </tbody> </table> <p>View all releases</p>	Version	Download	Date	8.x-1.2	tar.gz (11.18 KB) zip (13.52 KB)	2017-Jan-27	7.x-1.4	tar.gz (10.95 KB) zip (12.22 KB)	2017-Jan-27	8.x-1.x-dev	tar.gz (11.15 KB) zip (13.49 KB)	2017-Feb-13	7.x-1.x-dev	tar.gz (10.95 KB) zip (12.22 KB)	2016-Dec-22
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3. Copy the appropriate download link path.
Right click and select “Copy link address”
4. On the Drupal site, select the Extend > Install a new module
5. Paste the file path into the “Install from” a URL text box
6. Verify that the module path and the Drupal version are correct
7. Press the “Install” button

The screenshot shows the 'Install new module' page. At the top, there is a title bar with the text 'Install new module' and a star icon. Below the title, the breadcrumb navigation shows 'Home » Administration » Extend'. A note states: 'You can find modules and themes on drupal.org. The following file extensions are supported: zip tar tgz gz bz2.' There are two main sections: 'Install from a URL' and 'Upload a module or theme archive to install'. In the 'Install from a URL' section, a text input field contains the URL 'https://ftp.drupal.org/files/projects/simple_gmap-8.x-1.2.tar.gz' and a green star icon is positioned next to it. Below this, a note says 'For example: http://ftp.drupal.org/files/projects/name.tar.gz'. In the 'Upload a module or theme archive to install' section, there is a 'Choose File' button with the text 'No file chosen' and a green star icon. Below this, a note says 'For example: name.tar.gz from your local computer'. At the bottom of the page are a blue 'Install' button and a green star icon.

8. Select the Enable newly added modules link

The screenshot shows the 'My Drupal 8 Test Site 21' dashboard. The main heading is 'My Drupal 8 Test Site 21'. Below it, the 'Update manager' section displays a success message: 'Installation was completed successfully.' with a green checkmark icon. Under the 'simple_gmap' section, it lists: 'Installed simple_gmap successfully'. The 'Next steps' section includes three items: 'Install another module', 'Enable newly added modules' (with a green star icon), and 'Administration pages'.

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9. To find the Simple Google Map module quickly, enter the word “map” in the Filter text box
10. Enable the Simple Google Maps module (check the checkbox)
11. Press the “Install” button to begin the installation process

Extend ☆

List Update Uninstall

Home » Administration

Download additional contributed modules to extend your site's functionality.

Regularly review and install available updates to maintain a secure and current site. Always run the update script each time a mo

+ Install new module

map 1

Enter a part of the module name or description

▼ CORE

Responsive Image ► Provides an image formatter and breakpoint mappings to output responsive images

▼ FIELD TYPES

Simple Google Maps ► Provides a Google Maps link/map formatter for simple Text fields.

Install 3

12. Back on Expends modules page, re-enter “map” in the filter.

13. Locate the Simple Google Maps module, and open the description to determine if this module requires and permissions or configurations.
It does not have any permissions or configuration links, so we should be good to go.

map

Enter a part of the module name or description

▼ CORE

Responsive Image ► Provides an image formatter and breakpoint mappings to output responsive images

▼ FIELD TYPES

Simple Google Maps ▼ Provides a Google Maps link/map formatter for simple Text fields.

Machine name: simple_gmap
Version: 8.x-1.2
Requires: Field,Text,Filter,User,System

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14. Create a new content type named “GMap Test”

Structure > Content types > Add content type

The screenshot shows the Drupal 8 administration interface under the 'Structure' tab. In the 'Content types' section, there is a sub-menu with 'Content types' and 'Add content type'. Both of these items are highlighted with red boxes. A red arrow points from the 'Content types' link to the 'Add content type' link.

15. Select “+ Add content type”

The screenshot shows the 'Content types' page. At the top left, there is a blue button labeled '+ Add content type'. A large red arrow points to this button. Below the button, there is a table with two rows. The first row has columns for 'NAME' and 'DESCRIPTION'. The second row contains 'Article' and 'Basic page' with their respective descriptions.

NAME	DESCRIPTION
Article	Use <i>articles</i> for time-sensitive content like news, press releases or blog posts.
Basic page	Use <i>basic pages</i> for your static content, such as an 'About us' page.

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16. Enter name and description:

Name: **GMap Test**

Description: A content type to use the Simple google Map module to create Maps.

17. Scroll down to the bottom block settings

The screenshot shows the 'Add content type' page. At the top, there is a 'Help' link. Below it, the title 'Add content type' is displayed with a star icon. The URL in the address bar is 'Home > Administration > Structure > Content types'. A note says 'Individual content types can have different fields, behaviors, and permissions assigned to them.' The 'Name *' field contains 'GMap Test' (marked with a red circle labeled '1'). The 'Machine name' is 'gmap_test' with a '[Edit]' link. The 'Description' field contains 'A content type to use the Simple Google Map Module to create Maps' (marked with a red circle labeled '2'). A note below the description says 'This text will be displayed on the Add new content page.' A red arrow points downwards from the 'Description' field towards the 'Submission form settings' section.

Submission form settings:

Also known as the Bottom Block Settings – Sets the template properties for adding new content

Title: Keep default values Title & Preview before submitting

The screenshot shows the 'Submission form settings' page. On the left, there is a sidebar with 'Submission form settings' (marked with a green star), 'Publishing options' (marked with a green star), 'Display settings' (marked with a green star), and 'Menu settings'. The main area has several sections: 'Title field label *' (labeled 'Title' with a green star), 'Preview before submitting' (with radio buttons for 'Disabled', 'Optional' (which is selected), and 'Required'), and 'Explanation or submission guidelines' (a large text area with a note 'This text will be displayed at the top of the page when creating or editing content of this type.'). At the bottom, there is a blue 'Save and manage fields' button.

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Submission form settings:

publishing options:

Published: Checked

Promoted to front page: NOT CHECKED

Sticky at top of lists: NOT CHECKED

Create new revisions: Checked

This text will be displayed on the *Add new content* page.

Submission form settings Title	Default options  <input checked="" type="checkbox"/> Published  <input type="checkbox"/> Promoted to front page  <input type="checkbox"/> Sticky at top of lists  <input checked="" type="checkbox"/> Create new revision
Publishing options ★ Published , Create new revision	Users with the <i>Administer content</i> permission will be able to override these options.
Display settings Display author and date information	
Menu settings	
Save and manage fields	

This text will be displayed on the *Add new content* page.

Submission form settings Title	 <input checked="" type="checkbox"/> Display author and date information Author username and publish date will be displayed.
Publishing options Published , Create new revision	
Display settings Display author and date information ★	
Menu settings	
Save and manage fields	

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This text will be displayed on the *Add new content* page.

Submission form settings

Title

Publishing options

Published , Create new revision

Display settings

Display author and date information

Menu settings

Available menus

Administration

Footer

Main navigation

Tools

User account menu

The menus available to place links in for this content type.

Default parent item

<main>

Choose the menu item to be the default parent for a new link in the content type.

Save and manage fields

Manage fields ☆

Edit Manage fields Manage form display Manage display

Home » Administration » Structure » Content types » Gmap test

✓ The content type *GMap Test* has been added.

+ Add field

LABEL	MACHINE NAME	FIELD TYPE	OPERATIONS
Body	body	Text (formatted, long, with summary)	Edit

? Help

Add field ☆

Home » Administration » Structure » Content types » Gmap test » Manage fields

Add a new field

Text (plain) ① or – Select an existing field –

Re-use an existing field

Label *

Address ② Machine name: field_address [Edit]

Save and continue ③

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Address ☆

Edit Field settings

Home » Administration » Structure » Content types » Gmap test » Manage fields » Address

These settings apply to the *Address* field everywhere it is used. These settings impact the way that data is saved and changed once data has been created.

Maximum length*
255
The maximum length of the field in characters.

Allowed number of values
Limited ▾ 1

Save field settings 

Address settings for *GMap Test* ☆

Edit Field settings

Home » Administration » Structure » Content types » Gmap test » Manage fields

✓ Updated field *Address* field settings.

Label*
Address 

Help text
Enter in a single line address. 

Instructions to present to the user below this field on the editing form.
Allowed HTML tags: <a> <big> <code> <i> <ins> <pre> <q> <small> <sub> <sup> <tt> <p>

This field supports tokens.

 Required field 

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The first screenshot shows the 'Default value' configuration for the 'Address' field. A red arrow points from the 'Save settings' button to the 'Delete' link below it.

The second screenshot shows the 'Manage fields' page for the 'Gmap test' content type. A red arrow points from the 'Manage display' tab to the 'Manage display' configuration table below. A green success message indicates that the 'Address' configuration was saved.

The third screenshot shows the 'Manage display' configuration table for the 'Gmap test' content type. It lists three fields: 'Links' (Visible), 'Body' (Hidden, Default format), and 'Address' (Above, Plain text). A red arrow points to the 'Plain text' dropdown menu for the 'Address' field.

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Manage display ★

Edit Manage fields Manage form display Manage display

Default Teaser

Home > Administration > Structure > Content types > Gmap test

Content items can be displayed using different view modes: Teaser, Full content, Print, RSS, etc. *Teaser* is a short format that is typically used in lists of multiple content items. *Full content* is typically used when the content is displayed on its own page.

Here, you can define which fields are shown and hidden when *GMap Test* content is displayed in each view mode, and define how the fields are displayed in each view mode.

Show row weights

FIELD	LABEL	FORMAT
Links		Visible
Body	- Hidden -	Default
Address	Above	Plain text Plain text Google Map from one-line address - Hidden -
Disabled		

No field is hidden.

Show row weights

FIELD	LABEL	FORMAT
Links		Visible
Body	- Hidden -	Default
Address	Above	Google Map from one-line address
Disabled		

No field is hidden.

► CUSTOM DISPLAY SETTINGS

Save

Dynamic map: 200 x 200
Map Type: Map
Zoom Level: 14
Language: en



Address Above Format settings: Google Map from one-line address

Embedded map

Include embedded dynamic map

Include embedded static map

Width of embedded map 100% Change from 200 to 100%

You can set sizes in px or percent (ex: 600px or 100%). Note that static maps only accept without the suffix px (ex: 600).

Height of embedded map 200

You can set sizes in px or percent (ex: 600px or 100%). Note that static maps only accept without the suffix px (ex: 600).

General settings

Zoom level 14 – Default

Include original address text

Map type Map

Choose a default map type for embedded and linked maps

Language en

Enter a two-letter language code that Google Maps can recognize, or enter 'page' (without the quote) to use the current page's language code

Update Cancel

Disabled

Show row weights

FIELD	LABEL	FORMAT
Links	Visible	
Body	- Hidden -	Default
Address	Above	Google Map from one-line address

Dynamic map: 100% x 200
Map Type: Map
Zoom Level: 14
Language: en

Disabled

No field is hidden.

► CUSTOM DISPLAY SETTINGS

Save ◀

Frequently Asked Questions Module – Extends by adding a new FAQ Content type

High-level Overview:

1. Install Frequently Asked Questions **Module**
2. Enable the Frequently Asked Questions Module
3. Permission the Frequently Asked Questions Module so all users can see it
4. Configure the Frequently Asked Questions Module so it uses the accordion effect
5. Installing the Frequently Asked Questions Module adds a new FAQ content type to the system
6. Create 3 FAQ nodes – with questions and answers
7. Create a new main menu item to display an aggregate of the FAQ nodes

Frequently Asked Questions module:

1. Find, download, install, and enable the FAQ
2. Permission FAQ so all roles can see it
3. Create 1 FAQ node as a class.
 - a. use the provided asset content for FAQ Q & A
 - b. **Do not promoted to FAQ nodes to the front page**
4. Create menu item for **/faq-page**
 - a. FAQ module already has a path to a view that aggregates the FAQ nodes

Find, download, install the FAQ module

<https://www.drupal.org/project/faq>

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Drupal™

Download & Extend

Drupal Core Distributions Modules Themes

Frequently Asked Questions

View Version control Automated testing

Posted by stella on May 2, 2006 at 3:57pm

The Frequently Asked Questions (faq) module allows users, with appropriate permissions, to create question and answer pairs which they want displayed on the 'faq' page. The 'faq' page is automatically generated from the FAQ nodes configured. Basic Views layouts are also provided and can be customised via the Views UI (rather than via the module settings page).

Features

The layout of the FAQ page can be modified on the settings page. There are four question and answer layouts to choose from. In addition, if the 'Taxonomy' module is enabled, it is possible to put the questions into different categories when editing. Users will need the 'view faq page' permission to view the built-in 'faq' page and will need the 'administer faq' permission to configure the layout, etc.

There are 3 blocks included in this module. The first shows a list of FAQ categories. The other two can show a configurable number of FAQs – one shows recent FAQs, while the other just displays random ones.

 Stable releases for this project are covered by the [security advisory policy](#). Look for the shield icon below.

Downloads

This module has not been ported to Drupal 8. Refer to this [issue](#) to find out its progress.

Version	Download	Date
7.x-2.0-alpha2	tar.gz (39.87 KB) zip (58.23 KB)	2014-Sep-10
7.x-1.1 	tar.gz (41.3 KB) zip (57.26 KB)	2015-Sep-08

Development releases

8.x-1.x-dev	tar.gz (31.95 KB) zip (57.22 KB)	2016-Jul-20
7.x-2.x-dev	tar.gz (39.74 KB) zip (58.03 KB)	2014-Nov-09
7.x-1.x-dev	tar.gz (41.31 KB) zip (57.27 KB)	2015-Sep-08

[View all releases](#)

Extend > Install new module
Paste the Download file path and press the “Install” button

Maintain Asked Q

sumitmada – last: 8 mon

podarok – last: 2 year

sudev.pra – last: 2 year

stella – 55 last: 4 year

FatGuyLau – last: 5 year

[View all co](#)

[View comm](#)

Issues 1 Questio

78

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The screenshot shows the Drupal administration interface with the 'Extend' tab selected. The main title is 'Install new module'. Below it, the breadcrumb navigation shows 'Home > Administration > Extend'. A note says you can find modules and themes on drupal.org. It lists supported file extensions: zip, tar, tgz, gz, bz2. There are two main sections: 'Install from a URL' and 'Upload a module or theme archive to install'. In the 'Install from a URL' section, there is a text input field containing 'https://ftp.drupal.org/files/projects/faq-8.x-1.x-dev.tar.gz' and a green star icon. Below it is an example: 'For example: http://ftp.drupal.org/files/projects/name.tar.gz'. In the 'Upload a module or theme archive to install' section, there is a 'Choose File' button with 'No file chosen' and a green star icon. Below it is an example: 'For example: name.tar.gz from your local computer'. A blue 'Install' button is at the bottom.

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faq installed successfully

My Drupal 8 Test Site 21

Update manager

✓ Installation was completed successfully.

faq

- Installed *faq* successfully

Next steps

- Install another module
- Enable newly added modules
- Administration pages

Enable (install) the Module on the Extends (module) page

Filter the list, entering “faq”

Enable (check) the Frequently asked questions module check box

Press the Install button

Extend ★

List Update Uninstall

Home » Administration

✓ Cron ran successfully.

Download additional [contributed modules](#) to extend your site's functionality.

Regularly review and install [available updates](#) to maintain a secure and current site. Always run the [update script](#) each time a module is updated.

+ Install new module

faq ★

Enter a part of the module name or description

▼ FAQ



Frequently Asked Questions

► Manages configuration of questions for a FAQ page.

Install



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Back on the Extends (module) page, re-filter with “faq” and expand the Frequently asked questions module description to check for Permissions and Configuration links

The screenshot shows the Extend page of the Drupal administration interface. At the top, there are tabs for List, Update, and Uninstall. Below the tabs, the breadcrumb navigation shows Home > Administration. A green success message box displays: "Module Frequently Asked Questions has been enabled." A note below it says: "Download additional contributed modules to extend your site's functionality. Regularly review and install available updates to maintain a secure and current site. Always run the update script each time a module is updated." A blue button labeled "+Install new module" is visible. In the search bar, "faq" is typed, and a green star icon is shown next to it. Below the search bar, there is a placeholder text: "Enter a part of the module name or description". Under the "FAQ" section, the "Frequently Asked Questions" module is listed with the following details: Machine name: faq, Version: 8.x-1.x-dev, Requires: Node,Text,Field,Filter,User,System. Below the details are three buttons: Help (A), Permissions (B), and Configure. At the bottom of the module listing is a blue "Install" button.

FAQ does require Permissions – we want Anonymous, Authenticated and Administrator users to see the FAQ website page.

Select the Permissions link.

This will transfer you to the People > Permissions page, just below the Frequently Asked Questions section title. Scroll up a bit, to until you see “Frequently Asked Questions”.

The screenshot shows the Permissions page of the Drupal administration interface. The top navigation bar includes Back to site, Manage, Shortcuts, and a user icon. Below the navigation are links for Content, Structure, Appearance, Extend, Configuration, People, Reports, and Help. The main content area is titled "Frequently Asked Questions". It lists three permissions under the "PERMISSION" section: "Administer FAQ module", "Administer FAQ order", and "View FAQ pages". The "View FAQ pages" permission is highlighted with a yellow box around its description and checkboxes. The permissions are categorized by role: ANONYMOUS USER, AUTHENTICATED USER, and ADMINISTRATOR. For "Administer FAQ module", the checkboxes are empty. For "Administer FAQ order", the checkboxes are empty. For "View FAQ pages", the checkboxes are checked for AUTHENTICATED USER and ADMINISTRATOR, while the ANONYMOUS USER checkbox is empty. Below the permissions, there is a section titled "Image". At the bottom left, there is a note: "(SEE ABOVE)" followed by text: "The FAQ permission item we are interested in is the “View FAQ pages” We want all current roles to be able to see the FAQ page." A numbered list at the bottom right starts with "1. Check ANONOMOUS USER".

2. Check AUTHENTICTED USER
3. Scroll down to the bottom of the Permissions page
4. Press the “Save permissions” button

PERMISSION	ANONYMOUS USER	AUTHENTICATED USER	ADMINISTRATOR
Frequently Asked Questions			
Administer FAQ module <small>Warning: Give to trusted roles only; this permission has security implications. Allows user to administer FAQ module settings.</small>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Administer FAQ order <small>Warning: Give to trusted roles only; this permission has security implications. Allows user to order FAQ entities.</small>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
View FAQ pages <small>Warning: Give to trusted roles only; this permission has security implications. Allows user to view FAQ pages.</small>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
VIEW USER INFORMATION			
Views UI			
Administer views <small>Warning: Give to trusted roles only; this permission has security implications.</small>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Save permissions	4		

Back on the Extend (modules) page, filter for “faq”

open the Module description

Select the Configuration link

Select the Questions TAB

General ★

General Questions Categories

Home » Administration » Configuration » Content authoring

Title
Frequently Asked Questions

FAQ Description

Your FAQ description. This will be placed at the top of the page, above the questions and can serve as an introductory text.

Create custom breadcrumbs for the FAQ
This option set the breadcrumb path to "Home > Frequently Asked Questions > category trail".

Save configuration

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Select Clicking on question opens/hides answer under question.

Scroll down

Questions ★

General

Questions

Categories

Home » Administration » Configuration » Content authoring » General

Page layout

- Questions inline
- Clicking on question takes user to answer further down the page
- Clicking on question opens/hides answer under question
- Clicking on question opens the answer in a new page

This controls how the questions and answers are displayed on the page and what happens when someone clicks on the question.

▼ MISCELLANEOUS LAYOUT SETTINGS

Questions listing style

This allows to select how the questions listing is presented. It only applies to the layouts: 'Clicking on question takes user to answer further down the page' and 'Clicking on question opens the answer in a new page'. An ordered listing would number the questions, whereas an unordered list will have a bullet to the left of each question.

Label questions and answers

This option is only valid for the "Questions Inline" and "Clicking on question takes user to answer further down the page" layouts. It labels all questions on the faq page with the "question label" setting and all answers with the "answer label" setting. For example these could be set to "Q:" and "A:".

Question Label

Select Use accordion effect for "opens/hides answer under question" layout

Scroll down and Save configuration

▼ MISCELLANEOUS LAYOUT SETTINGS

Questions listing style

This allows to select how the questions listing is presented. It only applies to the layouts: 'Clicking on question takes user to answer further down the page' and 'Clicking on question opens the answer in a new page'. An ordered listing would number the questions, whereas an unordered list will have a bullet to the left of each question.

Label questions and answers

This option is only valid for the "Questions Inline" and "Clicking on question takes user to answer further down the page" layouts. It labels all questions on the faq page with the "question label" setting and all answers with the "answer label" setting. For example these could be set to "Q:" and "A:".

Question Label

The label to pre-pend to the question text in the "Questions Inline" layout if labelling is enabled.

Answer Label

The label to pre-pend to the answer text in the "Questions Inline" layout if labelling is enabled.

Question length

Display longer text

Display short text

Display both short and long questions

The length of question text to display on the FAQ page. The short question will always be displayed in the FAQ blocks.

Allow long question text to be configured

Use accordion effect for "opens/hides answer under question" layout

This enables an "accordion" style effect where when a question is clicked, the answer appears beneath, and is then hidden when another question is opened.

Show "expand / collapse all" links for collapsed questions

The links will only be displayed if using the "opens/hides answer under question" or "opens/hides questions and answers under category" layouts.

Use answer teaser

This enables the display of the answer teaser text instead of the full answer when using the 'Questions inline' or 'Clicking on question takes user to answer further down the page' display options. This is useful when you have long descriptive text. The user can see the full answer by clicking on the question.

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<p><input type="checkbox"/> Show "expand / collapse all" links for collapsed questions The links will only be displayed if using the "opens/hides answer under question" or "opens/hides questions and answers under category" layouts.</p> <p><input type="checkbox"/> Use answer teaser This enables the display of the answer teaser text instead of the full answer when using the 'Questions inline' or 'Clicking on question takes user to answer page' display options. This is useful when you have long descriptive text. The user can see the full answer by clicking on the question.</p> <p>"Back to Top" link text <input type="text" value="Back to Top"/></p> <p>This allows the user to change the text displayed for the links which return the user to the top of the page on certain page layouts. Defaults to "Back to Top" have no link.</p> <p><input type="checkbox"/> Disable question links to nodes This allows the user to prevent the questions being links to the faq node in all layouts except "Clicking on question opens the answer in a new page".</p> <p>Default sorting for unordered FAQs <input type="button" value="Date Descending"/></p> <p>This controls the default ordering behaviour for new FAQ nodes which haven't been assigned a position.</p>
<p>Save configuration </p>
<p>We now have an FAQ that is properly permissioned and configured. What comes next is creating FAQ nodes. One for each question and answer. After that we make a main menu item that will display an aggregate of the FAQ nodes on one page.</p>

Create FAQ Nodes

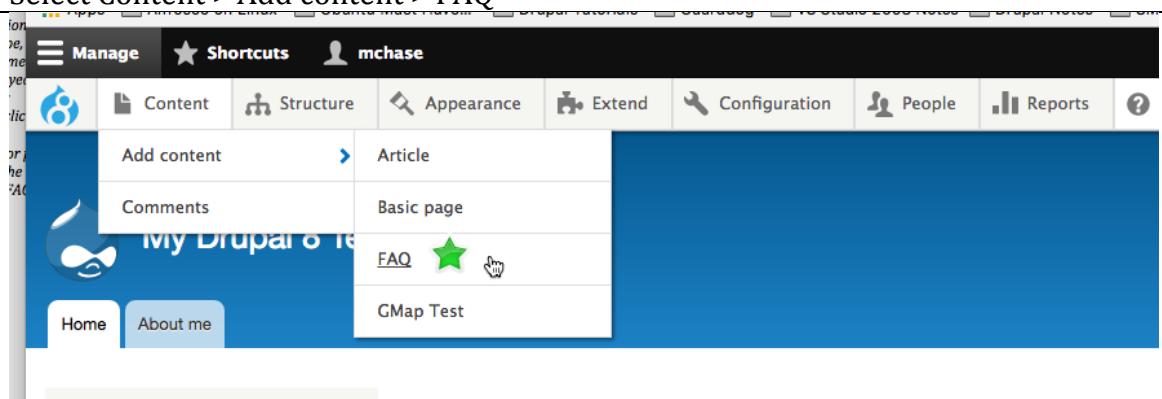
In this part we will create one (1) FAQ node. The Frequently Asked Questions module extends Drupal by adding a new content type named FAQ. The content type, is similar to Basic page, except that the Frequently Asked Questions module also comes with its own VIEW. The view has the path "faq-page". This view path, when displayed as menu item page, aggregates the FAQ nodes on one page. Combine that with our configuration changes to use the accordion effects, and we will have one slick looking FAQ page.

In order to make this work, we need to remember not to set a menu item or promote any FAQ nodes to the front page. The view will take care of aggregating the FAQ nodes on the display. We only need to list 1 link to "/faq-page" to display all the FAQ nodes as one FAQ page with accordion view.

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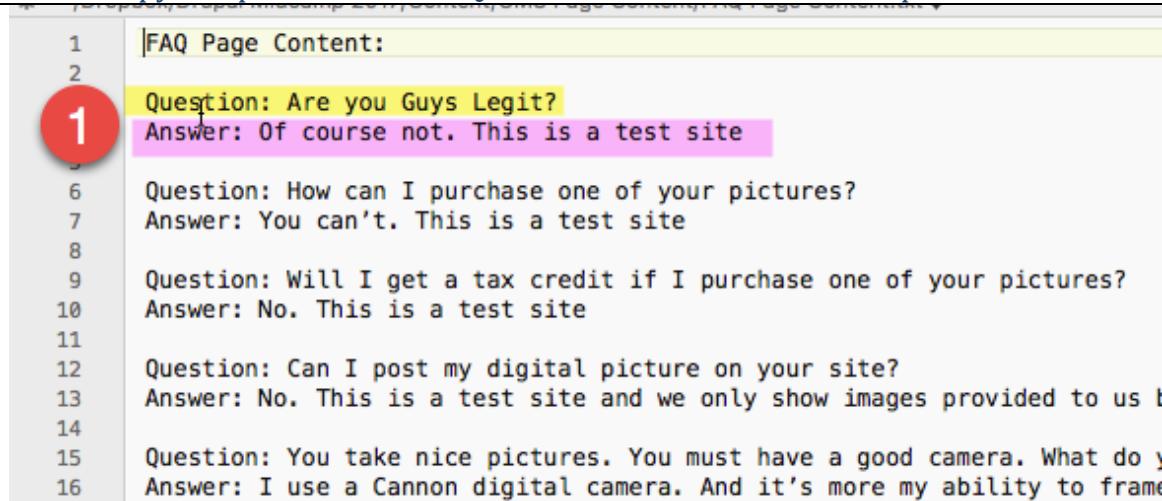
Create FAQ Nodes

Select Content > Add content > FAQ



The screenshot shows the Drupal 8 admin bar with 'Manage', 'Shortcuts', and user 'mchase'. Below it is a navigation menu with 'Content', 'Structure', 'Appearance', 'Extend', 'Configuration', 'People', and 'Reports'. A dropdown menu titled 'Add content' is open, showing 'Article', 'Comments', 'Basic page', 'FAQ' (which has a green star icon and a cursor pointing at it), and 'GMap Test'.

Open the Asset "FAQ Page Content.txt" file in an ASCII Editor
Do not copy and paste the words Question: and Answer: into Drupal



1 |FAQ Page Content:
2 |
1 |Question: Are you Guys Legit?
1 |Answer: Of course not. This is a test site
6 |Question: How can I purchase one of your pictures?
7 |Answer: You can't. This is a test site
9 |Question: Will I get a tax credit if I purchase one of your pictures?
10 |Answer: No. This is a test site
12 |Question: Can I post my digital picture on your site?
13 |Answer: No. This is a test site and we only show images provided to us by our users.
15 |Question: You take nice pictures. You must have a good camera. What do you use?
16 |Answer: I use a Cannon digital camera. And it's more my ability to frame the subjects.

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Complete the FAQ Content Type template

- (A) Title: The questions
 - (B) Detailed question: The question
 - (C) Body: The answer
 - (D) Do not check Provide menu link (should be un-checked by default)
 - (E) Do not check any PROMOTION OPTIONS
- Promote to front page is checked by default, so un-check it.**
- (F) Press “Save and publish”**

Create FAQ ★

Home » Add content

Title * A

Detailed Question B

Text format Basic HTML C

Body D

Text format Basic HTML E

Save and publish F Preview

Last saved: Not saved yet
Author: mchase
 Create new revision
Revision log message
Briefly describe the changes you have made.
▼ MENU SETTINGS
 Provide a menu link
► URL PATH SETTINGS
► AUTHORIZING INFORMATION
▼ PROMOTION OPTIONS
 Promoted to front page
 Sticky at top of lists

Independent Exercise 4.1 – Create 3 additional nodes of Content type FAQ

- use asset content file “FAQ Page Content.txt” (or create your own Q & A)
- Do not assign these nodes a main menu link
- Do not set these nodes as promoted to front page (**Have to do this every time**)
- Do not set these nodes as sticky on top of lists

Add a link to the FAQ View on the Main Menu

The FAQ content type, is similar to Basic page, except that the Frequently Asked Questions module also comes with its own VIEW. The view has the path “faq-page”. This view path, when displayed as menu item page, aggregates the FAQ nodes on one page. Combine that with our configuration changes to use the accordion effects, and we will have one slick looking FAQ page.

From the Frequently Asked Questions Module Project Page:

This is where the module author informs us that the path for the FAQ node aggregate view is **faq-page**.

If upgrading from Drupal 6 to Drupal 7, note the default path for the faq page has changed from 'faq' to '**faq-page**' so as to allow you to use that path if using one of the Views layouts. If you wish to keep using the 'faq' path for the built-in page, then you can create a url alias to point to it.

Use the new Admin menu extension to go directly to add a link to the Main navigation

Structure > Menu > Main navigation > Add link

The screenshot shows the Drupal 8 Admin menu interface. The top navigation bar includes 'Manage', 'Shortcuts', and user information ('mchase'). Below the bar, there are several menu items: 'Content' (selected), 'Structure', 'Appearance', 'Extend', 'Configuration', 'People', and 'Reports'. On the left, a sidebar shows 'Help', 'My Dr...', 'Home', and 'About me'. A green checkmark is next to 'FAQ Will I get a t...'. The main content area features a search bar and the text 'Will I get a t... of your pictures?'. A modal window is open over the content, showing a hierarchical menu structure under 'Main navigation': 'Add menu', 'Administration', 'Footer', 'Add link' (which is highlighted with a cursor icon and a green star icon), 'Delete', and 'User account menu'. The 'Add link' option is the target of the exercise.

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Fill out the add menu link form:

1. Title: FAQ
2. Link: /faq-path ← This is the path f the FAQ View
3. Description: FAQ
4. Parent Link: <Main navigation>
5. Weight: 10
6. Save

1.

The screenshot shows the 'Add menu link' form in the Drupal administration interface. The form fields are numbered 1 through 6:

- 1. **Menu link title ***: FAQ
- 2. **Link ***: /faq-page
- 3. **Description**: FAQ
- 4. **Parent link**: <Main navigation>
- 5. **Weight**: 10
- 6. **Save** button

Below the form, a success message is displayed: "The menu link has been saved." The URL in the browser's address bar is "Home » Administration » Structure » Menus".

Check out the FAQ Main menu link

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The screenshot shows the 'Frequently Asked Questions' page of a Drupal site. At the top right, there are links for 'My account' and 'Log out'. Below the header, there's a search bar and a navigation menu with 'Home', 'About me', and 'FAQ' buttons. The main content area has a title 'Frequently Asked Questions' and two tabs: 'List' and 'Order'. The 'Order' tab is highlighted with a grey background. Under the title, there are two questions listed: 'Will I get a tax credit if I purchase one of your pictures?' and 'How can I purchase one of your pictures?'. Each question has a timestamp ('Submitted by mchase on Tue, 03/28/2017 - 20:24') and a response ('You can't. This is a test site'). Below the questions, there's a 'Detailed Question' section with the same two questions, followed by a 'Back to Top' link and a link to 'Are you Guys Legit?'.

To Re-Order FAQ Items, select the Order TAB on the FAQ page

This screenshot is identical to the one above, showing the 'Frequently Asked Questions' page. However, a large red arrow points specifically to the 'Order' tab in the navigation bar, which is now highlighted. The rest of the page content, including the questions, timestamps, responses, and other links, remains the same.

Just link menu items, select the cross-hair and move an FAQ item, then Save

The screenshot shows the 'Order' page for FAQ items. At the top, there's a blue header bar with the word 'FAQ'. Below it, a sidebar on the left has a heading 'ed Questions'. The main content area is titled 'Order' and contains two tabs: 'List' and 'Order'. A table lists three FAQ items:

	Question
⊕	Will I get a tax credit if I purchase one of your pictures?
⊕	How can I purchase one of your pictures?
⊕	Are you Guys Legit?

A red arrow points to the third row ('Are you Guys Legit?'). Another red arrow points to the 'Save order' button at the bottom left.

Part 5: Extending Drupal

Taxonomy-Vocabulary-Terms + Custom Content Types + Views

Extending the Drupal – Taxonomy-Vocabulary-Terms

Taxonomy, a **powerful** Drupal core module, and gives our Drupal sites use of the organizational keywords “**terms**”.

Terms are known in other systems as **categories**, **tags**, or **metadata**.

Taxonomy allows you to **connect, relate and classify your website's content**.

In Drupal, these “**terms**” are gathered within “**vocabularies**.”

The Taxonomy module allows you to create, manage and apply those vocabularies.”

Note about adding Terms to Taxonomy-Vocabularies:

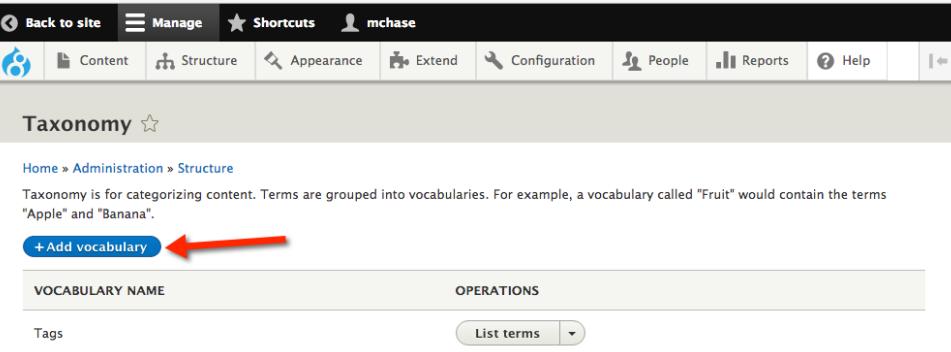
Drupal knows that site developers usually always add more than one Term to a vocabulary. The add vocabulary page returns to itself when you submit.

To end the add process, select the Taxonomy bread-crumb (see below).

1. Create Taxonomy: Eye color with 1 term Blue, Blue eyes

Structure > Taxonomy

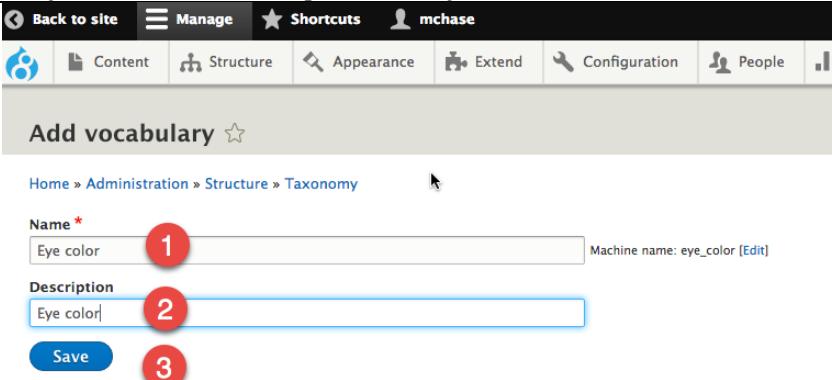
Select “+Add vocabulary”



+ Add vocabulary

VOCABULARY NAME OPERATIONS

Add Vocabulary Name and Description of “Eye color ” and Save



Name * Eye color Machine name: eye_color [Edit]

Description Eye color

Save

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The Eye color Vocabulary has been created successfully.
Now let's add 1 Term.
Click the “+Add term” button

The screenshot shows the 'Eye color' vocabulary management page. At the top, there are tabs for List, Edit, Manage fields, Manage form display, and Manage display. Below the tabs, a breadcrumb navigation shows Home > Administration > Structure > Taxonomy > Eye color. A green success message box contains the text "Created new vocabulary Eye color." Below the message, a note says "You can reorganize the terms in Eye color using their drag-and-drop handles, and group terms under a parent term by sliding them under and to the right of the parent." A blue button labeled "+Add term" is highlighted with a red arrow pointing to it. To the right of the button is a link "Show row weights". The main table has columns for NAME, WEIGHT, and OPERATIONS. A note below the table says "No terms available. Add term."

Enter the Term Name and Description:

Name: Blue, Description: Blue eyes

Press the Save button

Instructor will demon the RELATIONS settings

The screenshot shows the 'Add term' form for the 'Blue' term. The 'Name' field is filled with 'Blue' (marked with a red circle 1). The 'Description' field contains 'Blue eyes' (marked with a red circle 2). The 'RELATIONS' section is visible (marked with a red circle 3). The 'Save' button is at the bottom (marked with a red circle 4). The page includes a toolbar with icons for Content, Structure, Appearance, Extend, Configuration, People, Reports, and Help. The URL alias field is empty, and the text format is set to Basic HTML.

About RELATIONS:

The taxonomy Vocabulary we are building is flat, or non-hierarchical.

That means that all the terms are at the same level, and none are Parent terms that have their own child terms. Flat vocabularies have one parent term named “<root>”. In a flat vocabulary, all terms are children of “<root>”.

To create a flat vocabulary, leave the Parent terms dropdown at “<root>”.

Drupal resets the Parent terms dropdown to “<root>” after each new term is added. So you won’t have to change this value when adding additional “Eye color” Terms.

A description of the term.

▼ **RELATIONS**

Parent terms

Weight *

Terms are displayed in ascending order by weight.

The term “Blue” has been added successfully.

Add term ★

Home » Administration » Structure » Taxonomy » Eye color

✓ Created new term **Blue**.

Name *

The term name.

Description

B I Format Source

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Independent Exercise 5.1 – Create 2 additional “Eye color” Terms

- Green, Green eyes
- Brown, Brown eyes

Extending the Drupal – Creating Custom Content Types

We will now create new content type template for Staff records. We do not want Staff records to display on the front page or on a menu item. Instead we want to aggregate all staff records to display on a view page.

1. Enable the Existing Drupal 8 Telephone Module – Under Field Types
 - a. It's not enabled by default

The screenshot shows a list of field types in the 'FIELD TYPES' section of the Drupal configuration. The 'Telephone' field type is highlighted with a yellow box and a green star icon. Other listed field types include Address, Datetime, File, Image, Link, Options, Simple Google Maps, Text, and a few others that are not highlighted.

2. Please use the Assets Staff content file for this activity task.

The screenshot shows the 'Asset Folder: Staff Profiles and Pictures' interface. The 'Staff Content.txt' file is highlighted with a pink box. The folder structure includes CMS Front Page Articles, CMS Page Content, Pictures, and Staff Profiles and Pictures, which contains the highlighted file.

Staff Content. Txt – Contains 5 staff records

```

C:\Users\mchase2\Dropbox\Drupal Midcamp 2017\Content\Staff Profiles and Pictures\Staff Content.txt - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
Staff Content.txt

1 STAFF Content
2
3 Full Name: Alice Smith
4 Description: (Goes in the Content Type Body)
5 I am a freelance photographer specializing in music, product, event, TV, media, fine art,
6 fashion, and street photography.
7 I handle all contracts with clients. As well as, shooting, editing, retouching all work as
needed.
8 Job Title: Freelance photographer
9 Phone: 312-111-1111
10 Eye Color: Blue
11 Picture: AliceSmith.png
12
13 Full Name: Jane Jones
14 Description: (Goes in the Content Type Body)
15 Freelance Photographer, Retoucher, Curator, Social Media, Production-Assistant
16 Job Title: Freelance photographer
17 Phone: 312-222-2222
18 Eye Color: Green
19 Picture: JaneJones.png

```

3. Create a new content type named “Staff”
 - a. Fields:
 - i. Full name (We will rename the Title to Full Name)
 - ii. Job Title – As Text field
 - iii. Phone – A telephone number field – Phone settings under Manage Display
 - iv. Eye Color – term Ref to Eye Color vocabulary
 - v. Picture – as an image field, Thumbnail setting in Manage display
4. Create 1 staff node with no menu options and do not promote to the Front page

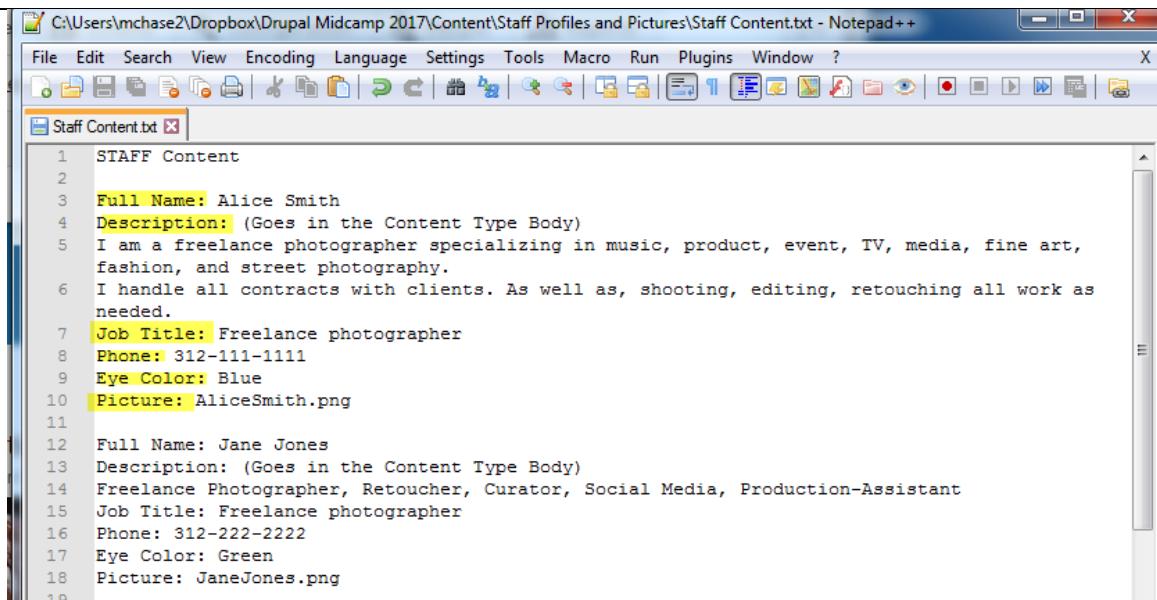
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(1) Open the “Staff Content.Txt” Assets file up in an ASII Editor

Windows: Notepad++ (Note Notepad or Word)

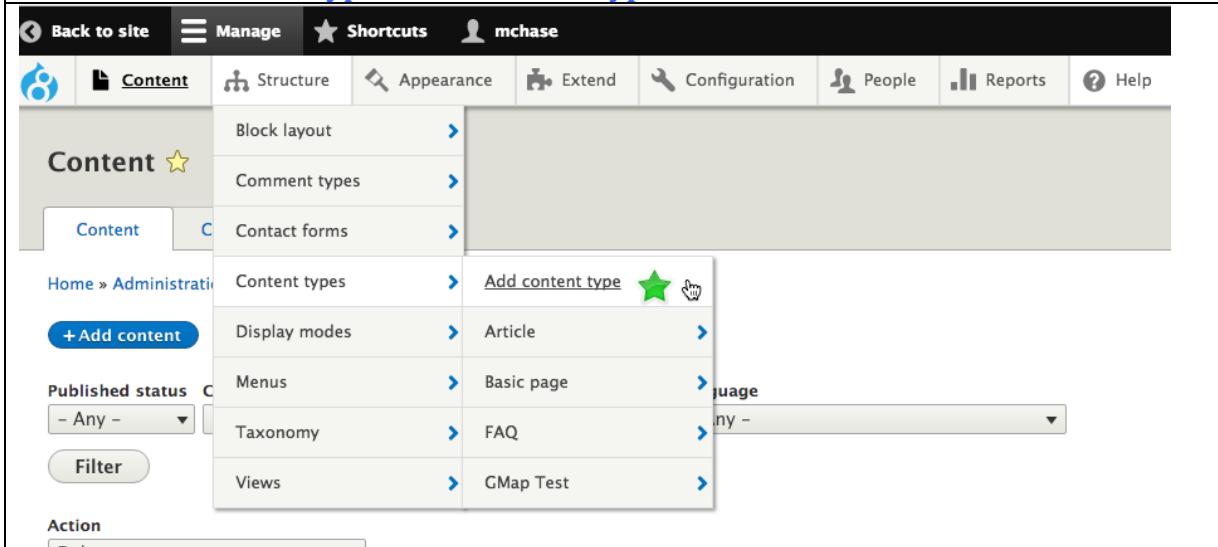
Mac: brackets, Text Wrangler



```
1 STAFF Content
2
3 Full Name: Alice Smith
4 Description: (Goes in the Content Type Body)
5 I am a freelance photographer specializing in music, product, event, TV, media, fine art,
fashion, and street photography.
6 I handle all contracts with clients. As well as, shooting, editing, retouching all work as
needed.
7 Job Title: Freelance photographer
8 Phone: 312-111-1111
9 Eye Color: Blue
10 Picture: AliceSmith.png
11
12 Full Name: Jane Jones
13 Description: (Goes in the Content Type Body)
14 Freelance Photographer, Retoucher, Curator, Social Media, Production-Assistant
15 Job Title: Freelance photographer
16 Phone: 312-222-2222
17 Eye Color: Green
18 Picture: JaneJones.png
19
```

(2) On the Drupal site, create a new content type named “Staff”

[Structure > Content type > Add content type](#)



The screenshot shows the Drupal 8 Admin interface with the 'Content' tab selected. A modal dialog is open over the 'Content types' list, which includes options like Block layout, Comment types, Contact forms, Content types, Display modes, Menus, Taxonomy, and Views. The 'Content types' option is highlighted, and a sub-menu is open with the 'Add content type' button visible, accompanied by a green star icon and a hand cursor.

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Enter in Name and Description

Submission Form Settings: Change “Title” to “Full Name”

Add content type 

Home » Administration » Structure » Content types

Individual content types can have different fields, behaviors, and permissions assigned to them.

Name *
Staff  Machine name: staff [\[Edit\]](#)

The human-readable name of this content type. This text will be displayed as part of the list on the *Add content* page. This name must be unique.

Description
Staff record template 

This text will be displayed on the *Add new content* page.

Submission form settings

Full Name 	Title field label * Full Name 
Publishing options Published , Promoted to front page , Create new revision	Preview before submitting <input type="radio"/> Disabled <input checked="" type="radio"/> Optional <input type="radio"/> Required
Display settings Display author and date information	Explanation or submission guidelines 
Menu settings	This text will be displayed at the top of the page when creating or editing content of this type.

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Publishing options: Keep Published on, Turn off Promoted to front page and Sticky on top of lists

This text will be displayed on the *Add new content* page.

Submission form settings Title	Publishing options ★ Published , Create new revision	Display settings Display author and date information	Menu settings
<p>Default options</p> <p>★ <input checked="" type="checkbox"/> Published ✗ <input type="checkbox"/> Promoted to front page ✗ <input type="checkbox"/> Sticky at top of lists ★ <input checked="" type="checkbox"/> Create new revision</p> <p>Users with the <i>Administer content</i> permission will be able to override these options.</p>			
Save and manage fields			

Display settings: Turn off (un-check) Display author and date information

This text will be displayed on the *Add new content* page.

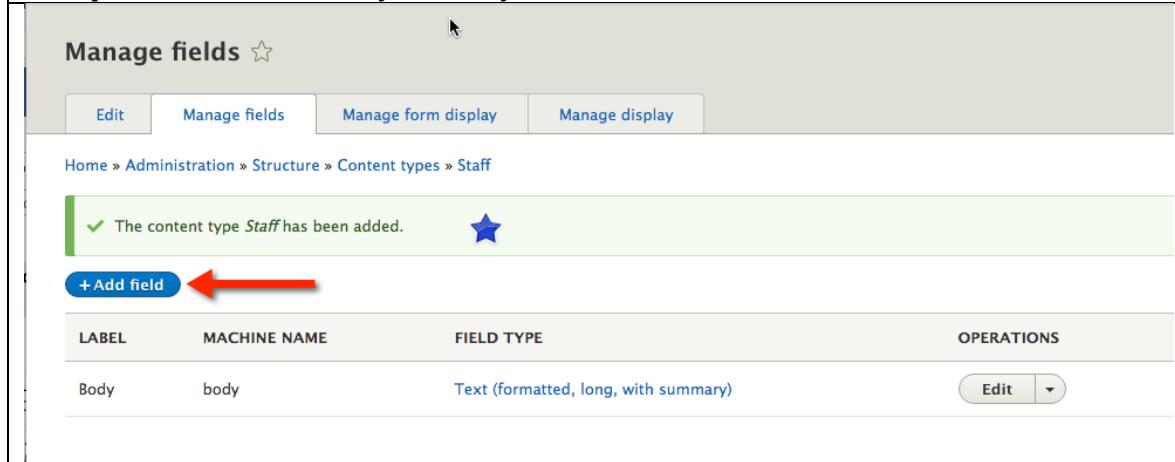
Submission form settings Title	Publishing options Published , Create new revision	Display settings ★ Don't display post information	Menu settings
<p>✗ <input type="checkbox"/> Display author and date information Author username and publish date will be displayed.</p>			
Save and manage fields			

Menu settings: Turn off (un-check) Main navigation

This text will be displayed on the *Add new content* page.

Submission form settings Title	Publishing options Published , Create new revision	Display settings Don't display post information	Menu settings ★
<p>✗ <input type="checkbox"/> Available menus</p> <p><input type="checkbox"/> Administration <input type="checkbox"/> Footer <input type="checkbox"/> Main navigation <input type="checkbox"/> Tools <input type="checkbox"/> User account menu</p> <p>The menus available to place links in for this content type.</p>			
Save and manage fields 			

The “Staff” Content type temalte has been created successfully.
 Now we must add the fields to define the template reciord structure.
 Druap add a Title and Body fields by default.



Manage fields ☆

Edit Manage fields Manage form display Manage display

Home » Administration » Structure » Content types » Staff

✓ The content type *Staff* has been added. ★

+ Add field

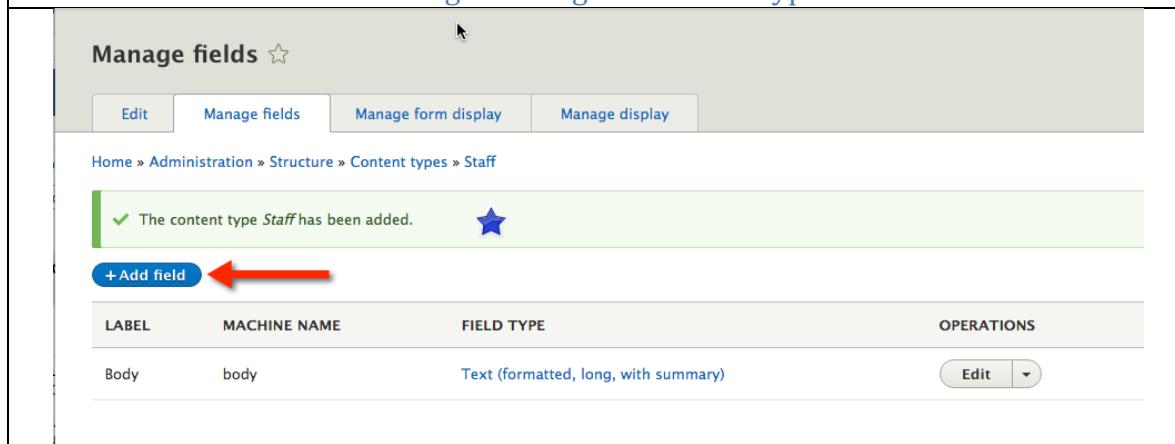
LABEL	MACHINE NAME	FIELD TYPE	OPERATIONS
Body	body	Text (formatted, long, with summary)	Edit

Adding Fields to the Staff Content type:

Fields to add:

- (1) Job title – Text
- (2) Phone – Telephone Field
- (3) Eye Color – as a Taxonomy term
- (5) Photograph – as an image, thumbnail image

Select “+add field” button to begin adding the Content type fields



Manage fields ☆

Edit Manage fields Manage form display Manage display

Home » Administration » Structure » Content types » Staff

✓ The content type *Staff* has been added. ★

+ Add field

LABEL	MACHINE NAME	FIELD TYPE	OPERATIONS
Body	body	Text (formatted, long, with summary)	Edit

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Add Job title

Add field

Home » Administration » Structure » Content types » Staff » Manage fields

Add a new field or Re-use an existing field

Text (plain) or – Select an existing field –

Label *
Job title Machine name: field_job_title [\[Edit\]](#)

Save and continue

Keep default Job title Field settings
We only want 1 Job title on the template form

Job title

[Edit](#) [Field settings](#)

Home » Administration » Structure » Content types » Staff » Manage fields » Job title

These settings apply to the *Job title* field everywhere it is used. These settings impact the way that data is stored.

Maximum length *
255

The maximum length of the field in characters.

Allowed number of values
Limited 1

Save field settings

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Job title settings for Staff

- (1) The default Label is fine “Job title”
- (2) help text: enter the job title text here
- (3) Make this a required field
- (4) Save settings

Job title settings for Staff ☆

[Edit](#) [Field settings](#)

Home » Administration » Structure » Content types » Staff » Manage fields

✓ Updated field *Job title* field settings.

Label *
Job title 

Help text
Enter the Job Title text here 

Instructions to present to the user below this field on the editing form.
Allowed HTML tags: <a> <big> <code> <i> <ins> <pre> <q> <small> <sub> <sup> <tt> <p>

This field supports tokens.

 Required field 

▼ DEFAULT VALUE
The default value for this field, used when creating new content.
Job title

 [Save settings](#) [Delete](#)

Job title field has been created sucessfully.

Add the next field, Phone as a Telephone field

Manage fields ☆

[Edit](#) [Manage fields](#) [Manage form display](#) [Manage display](#)

Home » Administration » Structure » Content types » Staff

✓ Saved *Job title* configuration.

[+ Add field](#) 

LABEL	MACHINE NAME	FIELD TYPE	OPERATIONS
Body	body	Text (formatted, long, with summary)	Edit 
Job title	 field_job_title	Text (plain)	Edit 

Add field:

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Field type: Telephone number
Label: Phone
press Save and continue

Add field 

Home » Administration » Structure » Content types » Staff » Manage fields

Add a new field

Telephone number

Re-use an existing field

or

– Select an existing field – ▾

Label *

Phone

Machine name: field_phone [Edit]

Save and continue

We only want 1 Phone field on the template, so keep the default value of 1

Phone 

Edit

Field settings

Home » Administration » Structure » Content types » Staff » Manage fields » Phone

These settings apply to the *Phone* field everywhere it is used. These settings impact the way that data is stored in the database .
been created.

Allowed number of values

Limited ▾

1

Save field settings

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Phone settings for Staff

Do not make Phone required
Press Save settings to continue

Phone settings for Staff ☆

[Edit](#) [Field settings](#)

Home » Administration » Structure » Content types » Staff » Manage fields

✓ Updated field *Phone* field settings.

Label *

Phone

Help text

Instructions to present to the user below this field on the editing form.

Allowed HTML tags: <a> <big> <code> <i> <ins> <pre> <q> <small> <sub> <sup> <tt> <p>

This field supports tokens.

Required field

▼ DEFAULT VALUE

The default value for this field, used when creating new content.

Phone

[Save settings](#) [Delete](#)

Phone number field has been created successfully.

Add the next field, Eye color as a Taxonomy term

Manage fields ☆

[Edit](#)

[Manage fields](#)

[Manage form display](#)

[Manage display](#)

Home » Administration » Structure » Content types » Staff

✓ Saved *Phone* configuration.

[+ Add field](#)

LABEL	MACHINE NAME	FIELD TYPE	OPERATIONS
Body	body	Text (formatted, long, with summary)	Edit ▾
Job title	field_job_title	Text (plain)	Edit ▾
Phone	field_phone	Telephone number	Edit ▾

Add field:

Field type: Taxonomy term

Label: Eye color

Press Save and continue

Add field 

Home » Administration » Structure » Content types » Staff » Manage fields

Add a new field

Taxonomy term

Re-use an existing field

or – Select an existing field –

Label *

Eye Color

Machine name: field_eye_color [Edit]

Save and continue

Eye Color 

Edit

Field settings

Home » Administration » Structure » Content types » Staff » Manage fields » Eye Color

These settings apply to the *Eye Color* field everywhere it is used. These settings impact the way that data is stored in the database has been created.

Type of item to reference *

Taxonomy term

Allowed number of values

Limited

1

Save field settings

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Eye color settings for Staff

Enter Help text:

Enter the Eye color. If it exists, select it from the dropdown, if not it will be added to the vocabulary.

Make Eye color a REQUIRED Field.

CHECK the checkbox “Create reference entities if they don’t already exist”

b. This means, if the Eye Color is not in the Vocabulary, add it.

Select Available Vocabularies: Eye color

Press Save settings

The screenshot shows the 'Edit' tab of the 'Eye color' field configuration. The 'Label' is 'Eye color'. The 'Help text' is: 'Enter the Eye color. If it exists, select it, if it does not exist in the Taxonomy-Vocabulary,it will be added.' The 'Required field' checkbox is checked. The 'Default value' is 'Eye color'. In the 'REFERENCE TYPE' section, 'Available Vocabularies' is selected, and 'Eye color' is checked under it. The 'Save settings' button is highlighted in blue.

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Eye color added successfully:

Add last field Photograph, as an image type

Manage fields ☆

Edit Manage fields Manage form display Manage display

Home » Administration » Structure » Content types » Staff

✓ Saved Eye color configuration.

+ Add field

LABEL	MACHINE NAME	FIELD TYPE	OPERATIONS
Body	body	Text (formatted, long, with summary)	Edit ▾
Eye color	field_eye_color	Entity reference	Edit ▾
Job title	field_job_title	Text (plain)	Edit ▾
Phone	field_phone	Telephone number	Edit ▾

Add Photograph Field

Add field ☆

Home » Administration » Structure » Content types » Staff » Manage fields

Add a new field

Image



Re-use an existing field

or

- Select an existing field - ▾

Label *

Photograph



Machine name: field_photograph [Edit]

Save and continue



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Keep default values of 1 photograph per template record
Save field settings to continue

Photograph ★

[Edit](#) [Field settings](#)

Home » Administration » Structure » Content types » Staff » Manage fields » Photograph

These settings apply to the *Photograph* field everywhere it is used. These settings impact the way that data is stored in the database and cannot be changed once data has been created.

Upload destination

Public files

Select where the final files should be stored. Private file storage has significantly more overhead than public files, but allows restricted access to files within this field.

▼ DEFAULT IMAGE

If no image is uploaded, this image will be shown on display.

Image

No file chosen

Image to be shown if no image is uploaded.

Alternative text

This text will be used by screen readers, search engines, and when the image cannot be loaded.

Title

The title attribute is used as a tooltip when the mouse hovers over the image.

Allowed number of values

Limited ▾ 1 

Save field settings 

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Enter help text:

Find and add the staff members photograph

Make this field REQUIRED.

Keep default setting and press “Save settings” to continue

Photograph settings for Staff 

[Edit](#) [Field settings](#)

Home » Administration » Structure » Content types » Staff » Manage fields

 Updated field *Photograph* field settings.

Label *
Photograph

Help text
Find and add the staff members photograph



Instructions to present to the user below this field on the editing form.
Allowed HTML tags: <a> <big> <code> <i> <ins> <pre> <q> <small> <sub> <sup> <tt> <p>

This field supports tokens.
 Required field 

Allowed file extensions *
png, gif, jpg, jpeg

Separate extensions with a space or comma and do not include the leading dot.

File directory
[date:custom:Y]-[date:custom:m]

Optional subdirectory within the upload destination where files will be stored. Do not include preceding or trailing slashes.

Maximum image resolution
 x pixels

The maximum allowed image size expressed as WIDTHxHEIGHT (e.g. 640x480). Leave blank for no restriction. If a larger image is uploaded, it will be resized to reflect the given width and height. Resizing images on upload will cause the loss of [EXIF data](#) in the image.

Minimum image resolution
 x pixels

The minimum allowed image size expressed as WIDTHxHEIGHT (e.g. 640x480). Leave blank for no restriction. If a smaller image is uploaded, it will be rejected.

Maximum upload size

Enter a value like "512" (bytes), "80 KB" (kilobytes) or "50 MB" (megabytes) in order to restrict the allowed file size. If left empty the file sizes will be limited only by PHP's maximum post and file upload sizes (current limit **128 MB**).

Enable *Alt* field
The alt attribute may be used by search engines, screen readers, and when the image cannot be loaded. Enabling this field is recommended.

Alt field required
Making this field required is recommended.

Enable *Title* field
The title attribute is used as a tooltip when the mouse hovers over the image. Enabling this field is not recommended as it can cause problems with screen readers.

 [Save settings](#) [Delete](#)

All fields added.

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Manage fields

Home » Administration » Structure » Content types » Staff

✓ Saved *Photograph* configuration.

+ Add field

LABEL	MACHINE NAME	FIELD TYPE	OPERATIONS
Body	body	Text (formatted, long, with summary)	Edit
Eye color	field_eye_color	Entity reference	Edit
Job title	field_job_title	Text (plain)	Edit
Phone	field_phone	Telephone number	Edit
Photograph	field_photograph	Image	Edit

Demo Manage Display TAB

Reordering and formatting Labels and Fields – Change image to Thumbnail

Original Manage Display TAB:

Manage display

Home » Administration » Structure » Content types » Staff

Content items can be displayed using different view modes: Teaser, Full content, Print, RSS, etc. *Teaser* is a short format that is typically used in lists of multiple content items. *Full content* is typically used when the content is displayed on its own page.

Here, you can define which fields are shown and hidden when *Staff* content is displayed in each view mode, and define how the fields are displayed in each view mode.

Show row weights

FIELD	LABEL	FORMAT
Links		Visible
Body	- Hidden -	Default
Job title	Above	Plain text
Phone	Above	Telephone link
Eye color	Above	Label
Photograph	Above	Image

Original image

Modified Manage Display TAB:

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displayed in each view mode.

Show row weights

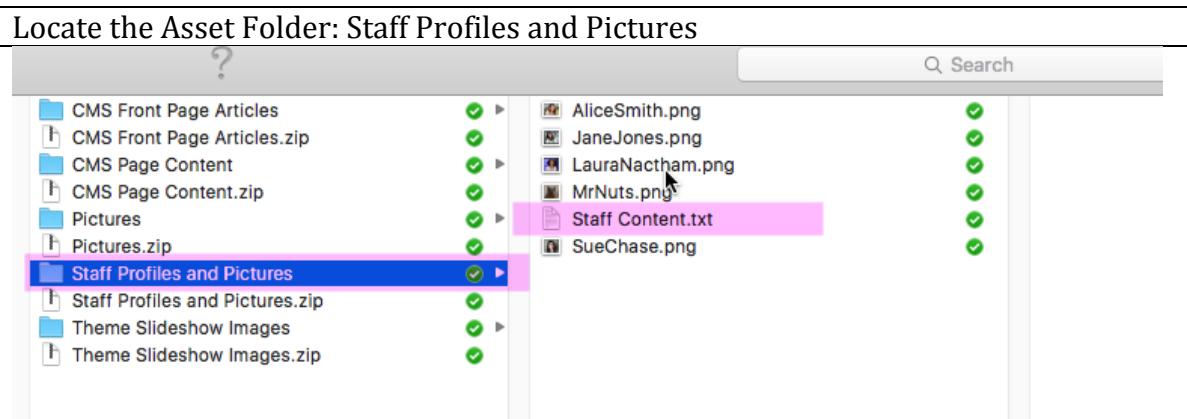
FIELD	LABEL	FORMAT	
Links		Visible	
Body	- Hidden -	Default	
Job title	Inline	Plain text	
Phone	Inline	Telephone link	Link using provided telephone number.
Eye color	Inline	Label	Link to the referenced entity
Photograph	- Hidden -	Image	Image style: Thumbnail (100x100)
Disabled			

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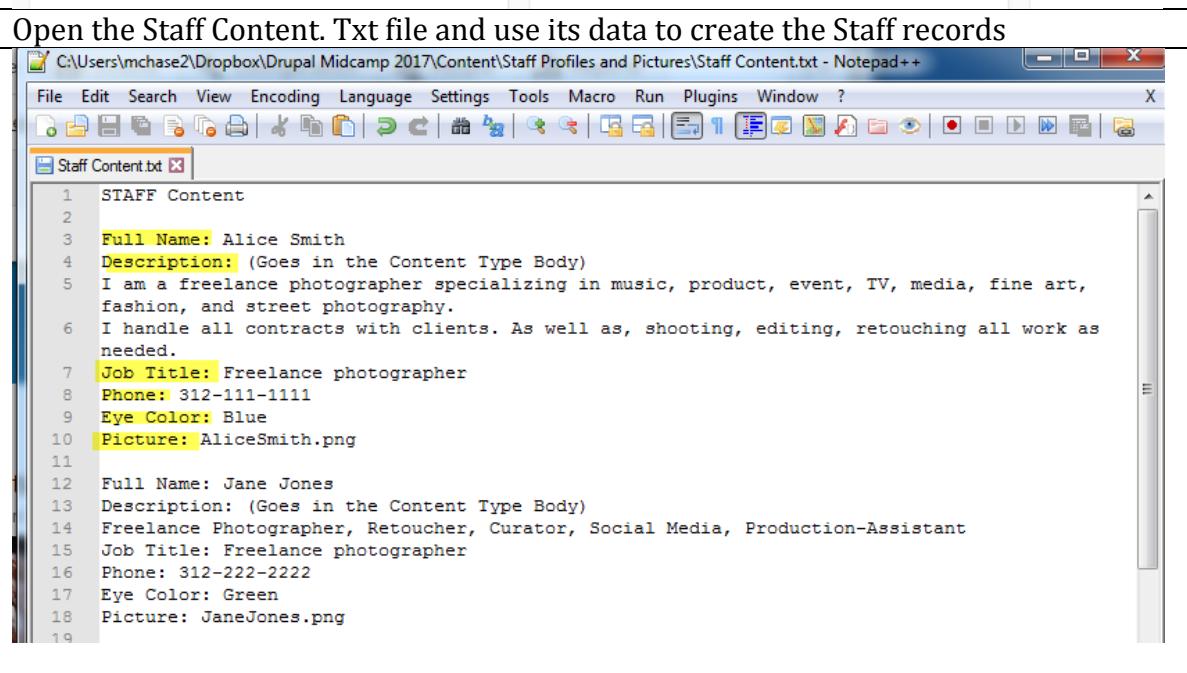
Creating Staff Nodes:

Create 1 staff node – First record “Alice Smith”

Locate the Asset Folder: Staff Profiles and Pictures



Open the Staff Content.Txt file and use its data to create the Staff records

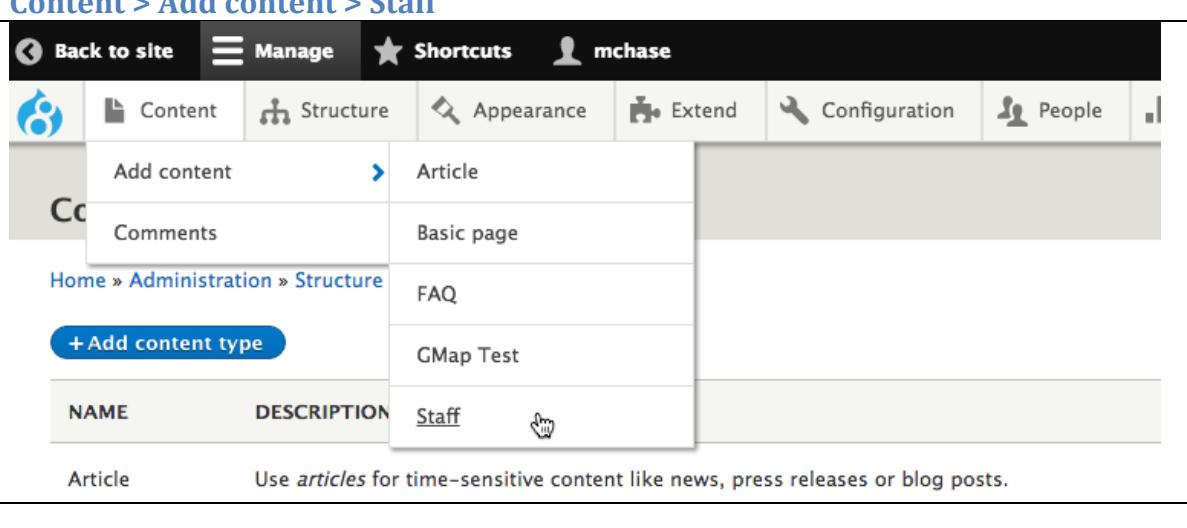


```
1 STAFF Content
2
3 Full Name: Alice Smith
4 Description: (Goes in the Content Type Body)
5 I am a freelance photographer specializing in music, product, event, TV, media, fine art,
fashion, and street photography.
6 I handle all contracts with clients. As well as, shooting, editing, retouching all work as
needed.
7 Job Title: Freelance photographer
8 Phone: 312-111-1111
9 Eye Color: Blue
10 Picture: AliceSmith.png
11
12 Full Name: Jane Jones
13 Description: (Goes in the Content Type Body)
14 Freelance Photographer, Retoucher, Curator, Social Media, Production-Assistant
15 Job Title: Freelance photographer
16 Phone: 312-222-2222
17 Eye Color: Green
18 Picture: JaneJones.png
19
```

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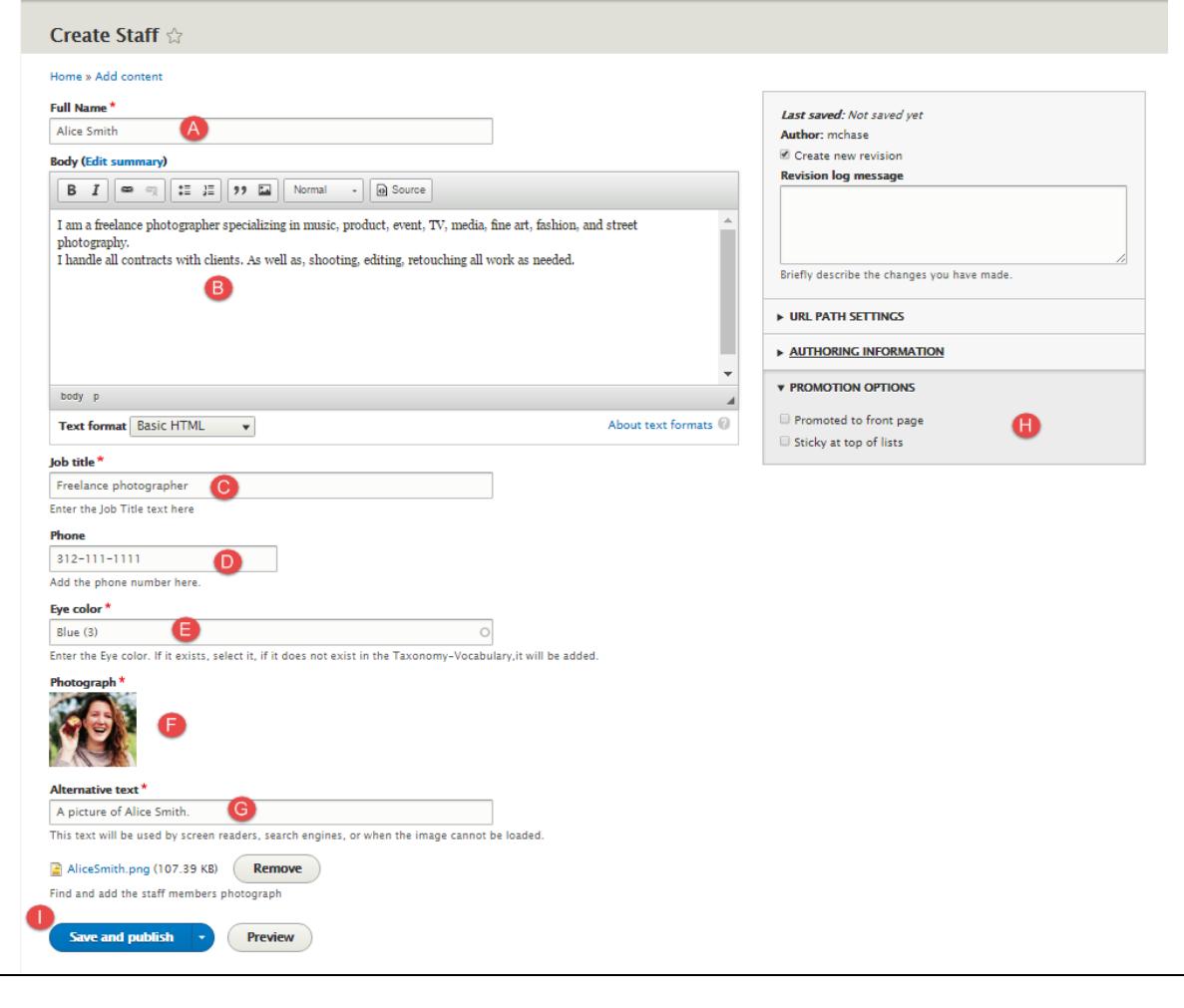
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Content > Add content > Staff



The screenshot shows the 'Add content' menu with the 'Staff' option highlighted. The menu items include 'Add content' (selected), 'Article', 'Comments', 'Basic page', 'FAQ', and 'GMap Test'. Below the menu, there is a table with columns 'NAME' and 'DESCRIPTION'. The 'NAME' column contains 'Article' and 'Staff'. The 'DESCRIPTION' column contains a brief description for 'Article' and a link to 'Staff' which is being pointed at by a cursor.

Create Staff



The screenshot shows the 'Create Staff' form. Various fields and settings are highlighted with red circles:

- A:** Full Name field containing "Alice Smith".
- B:** Body (Edit summary) WYSIWYG editor with some text about Alice Smith.
- C:** Job title field containing "Freelance photographer".
- D:** Phone field containing "312-111-1111".
- E:** Eye color dropdown menu showing "Blue (3)".
- F:** Photograph upload field showing a thumbnail of a woman holding an apple.
- G:** Alternative text field containing "A picture of Alice Smith".
- H:** Revision log message field.
- I:** Save and publish button.

On the right side of the form, there are several sections with checkboxes and descriptions:

- Last saved: Not saved yet
- Author: mchase
- Create new revision
- Revision log message: Briefly describe the changes you have made.
- URL PATH SETTINGS
- AUTHORING INFORMATION
- PROMOTION OPTIONS:
 - Promoted to front page
 - Sticky at top of lists

Note about Taxonomy-Vocabulary-Terms display when adding them to nodes

Notice below that each added Taxonomy-Vocabulary-term has a number in to its right. **Blue (4)**, **Green (5)**.

The number is the database key and not the number of times the Term has been used.

<p>Eye color *</p> <p>Blue (4) </p> <p>Enter the Eye color. If it exists, select it, if it does not exist in the Taxonomy-Vocabulary, add it.</p> <p>Photograph *</p> 	<p>Add the phone number here.</p> <p>Eye color *</p> <p>Green (5) </p> <p>Enter the Eye color. If it exists, select it, if it does not exist in the Taxonomy-Vocabulary, add it.</p> <p>Photograph *</p> 
<p>Alternative text *</p>	

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Independent Exercise 5.2 – Create 3 Staff nodes

- Use asset content to create the Staff nodes
- Do not add a Menu option
- Do not promote to front page
- Staff member pictures are by Staff member full name

Extending Drupal with Views

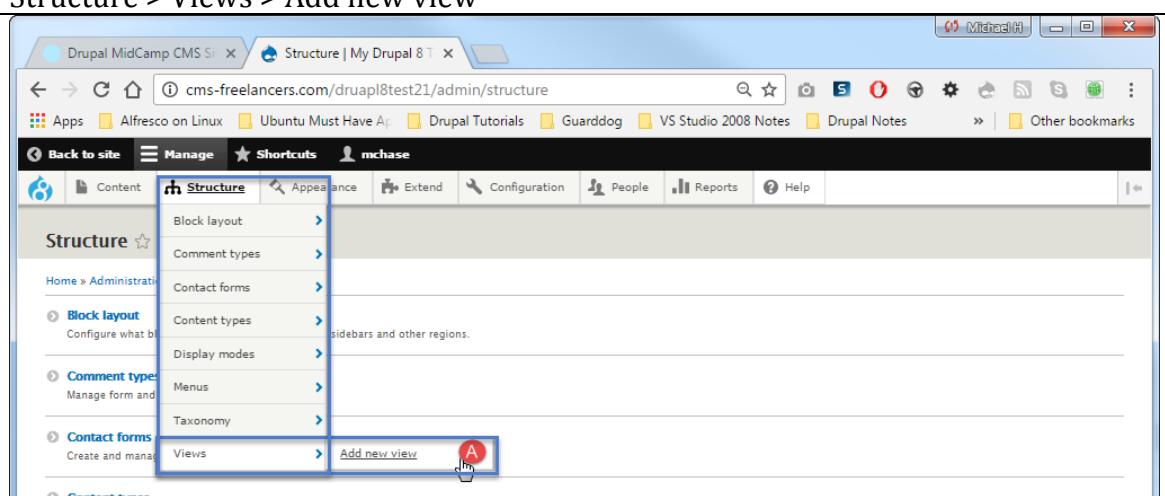
Drupal is a CMS. As a CMS Drupal stores all site content in a database.

A view is a database term, for a type data aggregation.

Drupal's use of the term View is 100% correct. A Drupal view is an aggregation of content from the sites database. Drupal provides an Administrative User interface to create views. What this Admin UI does, is allow a site admin to configure the view, so that Drupal can create the correct database SQL statement to query and retrieve the correct content and its formatting options, as configured by the admin.

We will create a view that displays teaser record "Staff" nodes.

Create the View
Structure > Views > Add new view



The screenshot shows the Drupal 8 Admin interface. The left sidebar has 'Structure' selected. Under 'Structure', 'Views' is highlighted with a blue box and a red letter 'A' over the 'Add new view' link. The main content area shows the 'Add view' form with the title 'View name: Our Staff'. The form fields include 'View name' (Our Staff), 'Machine name' (our_staff), and a 'Description' field (An aggregate view of our staff records). Below the form is a 'VIEW SETTINGS' section with dropdowns for 'Show' (Content), 'of type' (Staff), and 'sorted by' (Newest first).

View name: Our Staff

Add view ★

Home > Administration > Structure > Views

VIEW BASIC INFORMATION

View name *
Our Staff Machine name: our_staff [Edit]

Description
An aggregate view of our staff records

VIEW SETTINGS
Show: Content of type: Staff sorted by: Newest first

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PAGE SETTINGS

Create a page

Page title
Our Staff

Path
our-staff

PAGE DISPLAY SETTINGS

Display format:
Unformatted list of: teasers

Items to display
10

Use a pager

Create a menu link

Menu
Main navigation

Link text
Our Staff

Include an RSS feed

BLOCK SETTINGS

Create a block

Save and edit **Cancel**

Our Staff (Content) ☆

The view Our Staff has been saved.

Displays

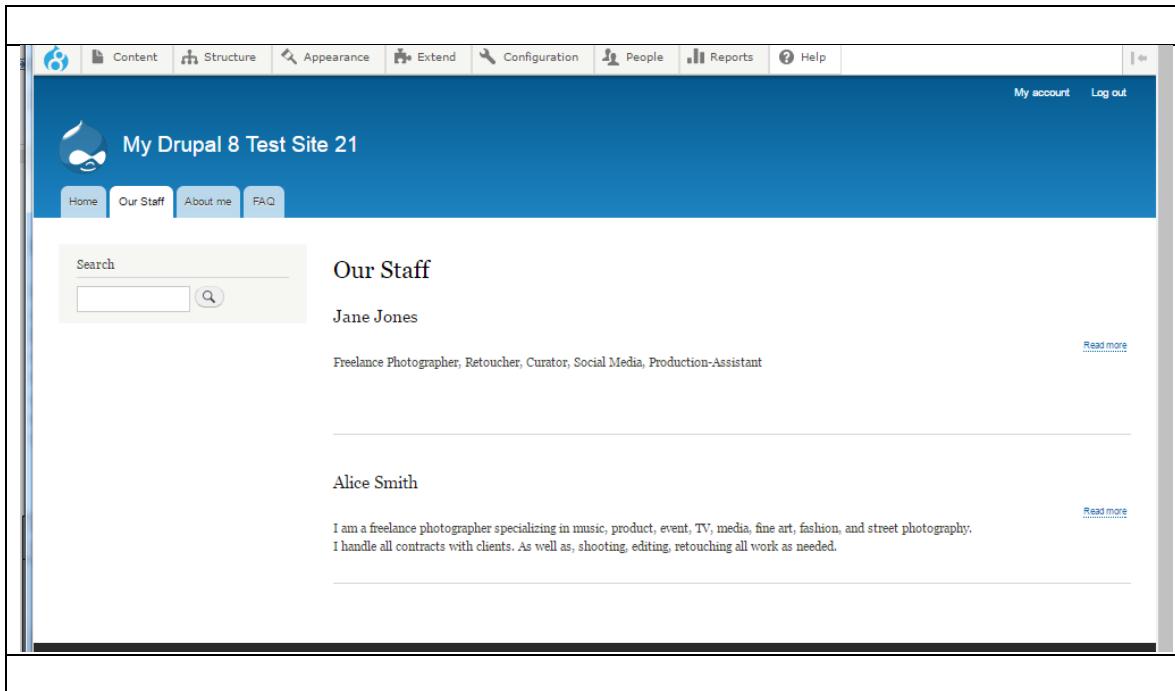
Page **Add** **Edit view name/description** **View Page**

TITLE Title: Our Staff	PAGE SETTINGS Path: /our-staff Menu: Normal: Our Staff
FORMAT Format: Unformatted list Settings Show: Content Teaser	ACCESS Access: Permission View published content
FIELDS The selected style or row format does not use fields.	HEADER Add
FILTER CRITERIA Content: Publishing status (= Yes) Content: Content type (= Staff)	FOOTER Add
SORT CRITERIA Content: Authored on (desc)	NO RESULTS BEHAVIOR Add
	PAGER Use pager: Mini Mini pager, 10 items More link: No

Save **Cancel**

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Example site: <http://cms-freelancers.com/druapl8test21/>

Independent Exercise 5.3 – Jobs – Content type, nodes & View

Jobs content is provided in Assets.

1. Create a new content type named Jobs
Fields: (Besides Title and Body)
 - a. Job Number
5. Create 3 Job nodes
6. Create a view of Jobs - named Jobs view – Teaser view + Main Menu link

Independent Exercise 5.4 - Responsive Slideshow

1. Install the following Contrib. Modules
 - a. https://www.drupal.org/project/responsive_slideshow
 - a. <https://www.drupal.org/project/bootstrap>
2. Change the default theme to Nexus Theme
 - a. <https://www.drupal.org/project/nexus>
3. The instructions in the Responsive slideshow Project page to implement the slideshow

Responsive Slide-show Module:

When we are trying to create a carousel using Bootstrap theme, mostly the carousel was not showing as the responsive behavior and also not able to give the bootstrap classes to the carousel view. I have created this module by solving the above-mentioned issues.

This module uses the Bootstrap theme engine and can be used to create responsive slide-show while using Bootstrap theme/subtheme.

A new content type 'Responsive Slideshow' will be created on the Module installation. Enable the block 'Responsive Slideshow' provided by the module to the required region. Here, privileged user can configure the user interface settings of the Responsive Slideshow. Please find the attached screen shot, responsive_slideshow_entry.png

The Responsive Slideshow Block is configured to appear in the front page. The visibility settings can be configured as per the requirement.

Instructions that I found to be successful:

1. Install the Bootstrap theme **but do not make it the default theme.**
 - a. **I was unable to make the Slideshow display on the site**
2. Make the Nexus the default theme.
3. **Enable the Responsive Slideshow module**
4. Create Nodes of Responsive slideshow (use Asset Slideshow images)

5. Once you have created Slide nodes, turn off the Nexus theme slide show and assign the Responsive Slideshow Block view to the Highlighted region as follows:
- Select Manage to display the Admin toolbar
 - Select Structure > Block layout
 - The Slideshow block is listed within the **Disabled** blocks, at the bottom of the Blocks page
 - Scroll down to the bottom, select the “Place block” button to the right of Disabled

A screenshot of the 'Blocks' page in the Drupal admin interface. The page lists several regions: 'Third Bottom', 'Fourth Bottom', 'Disabled', and 'Fifth Bottom'. Each region has a 'Place block' button. A red arrow points to the 'Place block' button in the 'Disabled' region. Below the regions, there is a 'Save blocks' button.

Third Bottom Place block

No blocks in this region

Fourth Bottom Place block

No blocks in this region

Disabled Place block

No blocks in this region

Save blocks

- Responsive Slideshow should be the first entry. Select its “Place block” button

A screenshot of the 'Place block' modal dialog. It shows a list of blocks with their names, categories, and 'Place block' buttons. A red arrow points to the 'Place block' button for the 'Responsive Slideshow' block, which is listed under the 'Blocks' category.

BLOCK	CATEGORY	OPERATIONS
Responsive Slideshow	Blocks	Place block
Page title	core	Place block
Primary admin actions	core	Place block
Tabs	core	Place block

- f. Configure the Responsive Slideshow block as follows
- i. Set the Pages (restricted to certain pages) to <front>
 - ii. Set the Region to Highlighted
 - iii. Press Save the Block

Configure block

Block description: Responsive Slideshow

Title *

Responsive Slideshow Machine name:
responsiveslideshow_3 [Edit]

Display title **A**

Visibility

Content types
Not restricted

Pages **B**
Restricted to certain pages

Roles
Not restricted

Pages **C**
<front> **D**

Specify pages by using their paths. Enter one path per line.
The '*' character is a wildcard. An example path is /user/*
for every user page. <front> is the front page.

Show for the listed pages
 Hide for the listed pages

Region
Highlighted **E**

Select the region where this block should be displayed.

Save block

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The screenshot shows a Drupal 8 test site with the title "MY DRUPAL 8 TEST SITE 21". The main content area features a responsive slideshow of purple flowers. A red callout box highlights the first slide with the text "Slide 1" and "Edit". Below the slideshow, there is a node titled "Brownie Directions" posted by "mchase" on Sunday, March 26, 2017, at 23:55. The node includes an image of brownies and a preparation time of "Prep 15 m". To the right of the content area is a search bar and a user menu with links to "My account" and "Log out". The top navigation bar includes links for "Content", "Structure", "Appearance", "Extend", "Configuration", "People", "Reports", and "Help". The browser's address bar shows the URL "cms-freelancers.com/drupal8test21".