



**Workshop on**  
***Using Open Source Content Management System***  
***Drupal to build Library Websites***

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Funded by: INASP, UK  
October 7, 2012  
Ayesha Abed Library  
<http://library.bracu.ac.bd>





# Workshop Outline

- \* **10:00AM - 10:30AM – Introduction to Drupal**
- \* **10:30AM - 10:45AM - Refreshment**
- \* **10:45AM - 11:15AM - Overview of Drupal Core Features**
- \* **11:15AM - 11:30AM - Overview of Drupal Themes**
- \* **11:30AM - 11:45AM - Overview of Drupal Modules**
- \* **11:45AM - 12:05PM - Installation & Configuration of a Simple Drupal Website (Theme and module installation included)**



# Workshop Outline

- \* 12:05PM - 1:30PM - Hands on Session
- \* 1:30PM - 2:15PM - Lunch Break
- \* 2:15PM - 2:30PM – Question Answering Session

## Launching Ceremony and Certificate Distribution

- \* Venue: Video Conference Room, 18<sup>th</sup> Floor
- \* 3:00PM - 4:00PM – Launching Ceremony and Certificate Distribution
- \* 4.00PM - 4:30PM - Refreshment



# Introduction to Drupal

## Part 1

# Most Common Features of a Library Website

- \* **The Ask Us service**
- \* **Library Hours (by date, by location)**
- \* **Calendars (containing library events, library instruction, etc.)**
- \* **Tabbed Search Boxes (homepage entry point to library resources -catalog, articles, databases, ejournals, videos, reserves, special collections, institutional research)**
- \* **A promotional space for featured and/or trialed resources, new and/or popular books**
- \* **Links to subject guides or other instructional aids**

# Most Common Features of a Library Website

- \* **Library News & Events blog**
- \* **Promotion of the unique resources of the library (Special Collections, University Archives)**
- \* **Integration with Social Media(Twitter, Facebook, RSS Feed, Blog)**
- \* **Requests for feedback on library services or resources (i.e., trials)**
- \* **Showcase of book jackets, new services, special announcements, etc.**
- \* **Site Search**

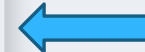
Search  Classic Catalogue | Databases A-Z | Institutional Repository

Search for books, journals and repository items ...

All Fields  [Advanced](#)

### Library Wifi Zones

Do you know that we have a wifi zone at both of our library floors? Have you used it yet? Facing trouble configuring the connection? Use the following proxy and port to configure your internet.  
Proxy Settings: 192.168.1.15



 **My Account**

Log in to your account for placing holds, checking and renewing loans

 **MyAthens**

Log in to MyAthens Account and access to electronic resources (e-journals and databases) off campus

 **Library Timings**

Sun - Thu (9:00 am - 9:00 pm)  
Friday (2:30 pm - 9:00 pm)  
Saturday (1:00 pm - 9:00 pm)  
**Closed on Holidays**

 **Ask a Librarian**

Contact | Email | Chat online

 **Latest News**

ACM Digital Library

### Calendar

October						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

### New Arrivals



[Details](#)



[Details](#)



[Details](#)



[Details](#)



### Downloads

- Book Requisition Form [BBRF.doc](#) 
- Student Membership Form [MFS.pdf](#) 
- Staff Membership Form [MFF.pdf](#) 
- New Book List [NB.pdf](#) 

### Events

- Library Session **Thu Oct 04**
- Drupal Workshop **Sun Oct 07**
- Library Session **Mon Oct 08**
- Library Session **Mon Oct 08**
- Library Session **Mon Oct 08**

[more ▶](#)



### Services

- Information Literacy and Classes
- Style Guides & Citation Builders
- Library Borrowing Privileges
- Library User Policy

### News Archive

- Drupal Workshop For Library...
- Social Science Library: Frontier...
- SMS Text Alerts: a faster option for...
- Free Trial Access to Elsevier Journal...

[more ▶](#)

### Tweets

#### BRACU LIBRARY

Access all our University Publications through [t.co/tRB3s8IX](http://t.co/tRB3s8IX)  
2 weeks 1 day ago.

# What is CMS

*“A content management system-(CMS) is a computer program that allows publishing, editing and modifying content on a web site as well as maintenance from a central interface”*

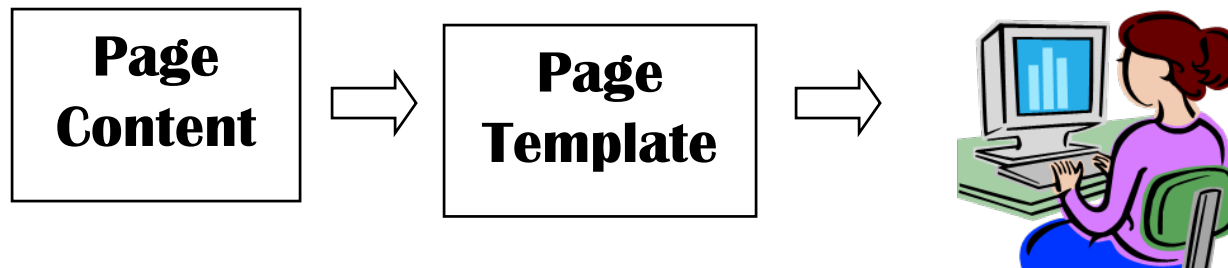
\* <http://en.wikipedia.org/wiki/>



# How does a CMS work ?

## \* Basic information flow

1. Template is designed
2. Content is entered as plain-text or HTML into database
3. Content is placed in a template for display to the end user





# Advantages of using a CMS to build a library website

- \* Separation of a design, functionality, Content
  - Each layer can be edited independent of the other layer
- \* Pages can be created or changed without knowing or using HTML
- \* Create roles with different access permissions
- \* Allow visitors to create their own content
- \* Easier or automatic integration with Web 2.0 tools
- \* Navigation can be dynamically generated
- \* Large-scale changes can be made to the site much easier

# Open Source Content Management Systems

- \* Joomla
- \* Word Press
- \* Drupal



# What is Drupal ?




- \* Drupal is a free Content Management System(CMS) that allows an individual, a community of users, or an enterprise to easily organize, manage and publish a wide variety of content in a website.
- \* Drupal is open-source software distributed under the GPL ([GNU General Public License](#)) and is maintained and developed by a community of 630,000+ users and developers.
- \* Created by Dries Buytaert as message board in 1999 and open sourced in 2001

# Why Drupal for Libraries

- \* **Free and Open Source**
- \* **Drupal has the biggest number of library dedicated modules compared to Joomla, Wordpress and Plone**
- \* **Stable, Secure and Flexible Platform**
- \* **Enormous active community of users and developers (630,000+ users and developers)**
- \* **Easy to deploy a robust web site quickly and easily**
- \* **Thousands contributed features**
- \* **Easy to include many elements of social networking (RSS Feed, Facebook, Twitter, Blog)**

# Stanford University Libraries


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Guides
Research support
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Search everything
Books & media

Not sure where to start? Try this.

Search

Examples:  
[renew books](#), [dissertations](#), [feminist studies](#), [Journal of Molecular Biology](#).


SearchWorks
eJournals
Course reserves
Interlibrary borrowing



Welcome to our new website! Please send us your feedback and suggestions.


**Library hours**  
what's open now?
 **Ask us!**  
chat online now
 **Print, copy, scan**  
find out where & how
 **Places to study**  
computers, coffee...
 **Collecti**  
new & notal

Library Hours for Tuesday, October 2, 2012



**Green Library**

Locations in Green	Hours	Phone
Library & circulation	8a-1a	(650) 723-1493
Privileges	8a-1a	(650) 723-1493
Information Center	10a-6p	(650) 725-1064
Media & Microtext Center	8a-9p	(650) 723-9394
Velma Denning Room	9a-5p	
SSDS walk-in consulting	1p-5p	



**Meyer Library**

Locations in Meyer	Hours	Phone
Meyer lobby	Open 24hr	(650) 723-9407
24-hour study room	Open 24hr	(650) 723-9407
2nd floor Tech Desk & group study area	8:45a-12a	(650) 723-9407
Multimedia Studio and Digital Language Lab	8:45a-12a	

All other libraries	Hours	Phone
Archive of Recorded Sound	1p-5p	(650) 723-9312
Art & Architecture	9a-10p	(650) 723-3408
Biology (Falconer)	9a-9p	(650) 723-1528
Business	8a-7p	(650) 725-2055
Chemistry & ChemEng (Swain)	9a-9p	(650) 723-9237
Earth Sciences (Branner)	9a-9p	(650) 723-2746
East Asia	9a-10p	(650) 725-3435
Education (Cubberley)	9a-8p	(650) 723-2121
Engineering (Terman)	9a-10p	(650) 723-0001
Hoover Archives	8:15a-4:45p	(650) 723-3563
Hoover	8a-5p	(650) 723-2058
Law (Crown)	8a-12a	(650) 725-0800
Marine Biology (Miller)	9a-5p	(831) 655-6229
Math & Statistics	9a-9p	(650) 723-4672
Medical (Lane)	8a-10p	(650) 723-6831
Music	9a-10p	(650) 723-1211
SLAC	9a-5p	(650) 926-2411
Special Collections	10a-5p	(650) 725-1022
SAL1&2	1p-5p	(650) 723-9201


<p><b>ABOUT</b></p> <ul style="list-style-type: none"> <li><a href="#">Hours &amp; locations</a></li> <li><a href="#">People</a></li> <li><a href="#">Contacts</a></li> <li><a href="#">News</a></li> <li><a href="#">Projects &amp; innovations</a></li> <li><a href="#">Blogs</a></li> <li><a href="#">Jobs</a></li> <li><a href="#">Supporting the Libraries</a></li> <li><a href="#">Copyright reminder</a></li> </ul>	<p><b>USING THE LIBRARY</b></p> <ul style="list-style-type: none"> <li><a href="#">Access &amp; privileges</a></li> <li><a href="#">Borrow, renew, return</a></li> <li><a href="#">Interlibrary borrowing</a></li> <li><a href="#">Connect from off campus</a></li> <li><a href="#">Places to study</a></li> <li><a href="#">Print, copy, scan</a></li> <li><a href="#">Access for persons with limited mobility</a></li> </ul>	<p><b>LIBRARIES COLLECTIONS</b></p>	<p><b>GUIDES</b></p> <ul style="list-style-type: none"> <li><a href="#">by Course</a></li> <li><a href="#">by Topic</a></li> </ul>	<p><b>RESEARCH SUPPORT</b></p> <ul style="list-style-type: none"> <li><a href="#">Subject Librarians</a></li> <li><a href="#">Academic Technology Specialists</a></li> <li><a href="#">SearchWorks</a></li> <li><a href="#">Databases</a></li> <li><a href="#">Socrates</a></li> <li><a href="#">eJournals</a></li> </ul>	<p><b>ASK US</b></p> <ul style="list-style-type: none"> <li><a href="#">(650) 723-1064</a></li> <li><a href="#">Chat</a></li> <li><a href="#">Email us</a></li> <li><a href="#">Give us feedback</a></li> </ul>
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Start your research here!

### Study


- Book a Workroom
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- TeamSpot
- Workroom Features

### Technology

- My Library Account
- Computer Availability
- Digital Media / Gaming
- Software & Technology


### Research

- Research Guides
- Consult with a Librarian
- Research Tutorials
- Check a Citation



UPCOMING WORKSHOPS  
*Citation Management*

< || >



Libraries and Cultural Resources  
University of Calgary  
410 University Court NW  
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#### Library Quicklinks

- Interlibrary Loan
- Book a workroom
- Classic Catalogue
- Forgot Password
- Copyright at UofC
- Database Access Problems

#### Academics

- Departments & Programs
- Undergraduate Studies
- Graduate Studies
- International Studies
- Continuing Studies
- Libraries at the University

#### Campus Life

- Go Dinos!
- Residence, Hotel & Conference
- Graduate Students' Association
- Athletics & Recreation
- Bookstore
- Students' Union

#### Media & Publications

- News
- Media Centre
- U Today
- U This Week
- U Magazine
- University Calendar



# Simon Fraser University Library

**SFU** SIMON FRASER UNIVERSITY LIBRARY Ask. Explore. Discover.

SFU.CA Burnaby | Surrey | Vancouver SFU Online | A-Z Links | SFU Search



▶ next item Create your own thematic map by plotting demographic variables, consumer variables, census data and business data. Try out SimplyMap Canada!

[Library Search](#) [Fast Search](#) [Catalogue](#)

Start here to locate library resources, including articles and books from Fast Search.

## NEWS & EVENTS

- Authors Norman & Allan Safarik read in Special Collections on October 11, 2012
- Building the Grateful Dead Archive Online: a presentation by Robin Chandler
- The Printing Room @ St. Michael's College
- Join us for a lecture by John Willinsky - November 8
- Gifts from the late Emily McWhinney, back issues of *The Peak* online, and more: SFU Library Sept 2012 Update
- Other news and events

### ABOUT

- Belzberg Library (Vancouver)
- Fraser Library (Surrey)
- Research Commons
- Student Learning Commons
- Other Collections ▶
- Hours
- Scholarly publishing
- Learn more about the Library ▶
- Feedback / Contact us

### MY LIBRARY

- My library record / renew books
- Services for you
- RefWorks
- Book a group study room ▶
- New library acquisitions
- More ▶

### HELP

- Ask a librarian
- Frequently asked questions
- Attend a library workshop
- Browse research guides
- Write your paper & cite your sources
- Online reference sources
- More ▶

### FIND

- Journal articles & databases
- Books, journals, media (catalogue)
- Reserves
- Electronic journals
- Other library catalogues
- Request items from other libraries
- Staff pages (employees only)



# University of Minnesota Libraries

Campus: Twin Cities Crookston Duluth Morris Rochester Other Locations

myU One Stop >

Search Library Web site Search

## UNIVERSITY LIBRARIES

To access your account: [LOG IN](#)

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### Peer Research Consultants

Research Your Way to an A!

Learn more >

Today's Building Hours  
October 2, 2012  
Wilson 7:00am - Midnight  
Walter 8:00am - Midnight  
Bio-Medical 7:00am - 11:00pm  
Magrath 8:00am - 10:00pm  
Anderson 8:30am - 6:30pm  
All Hours & Locations

Books Articles and Databases Journals Video and Media Course Resources Ask a Librarian

Databases are library search engines. Search selected databases or browse the full list of databases by title.

Search for Articles

in database: Academic Search Premier - General

If you have the citation for your article, use the [Citation Linker](#) to find full text.

Browse Databases

DATABASES BY TITLE

A B C D E F G H I J K L M N  
O P R S T U V W X Y Z

DATABASES BY SUBJECT

Select a subject

Google scholar  
How do I access the full text of an article?

### Log In

to see your saved databases, and receive recommendations from both peers and librarians to aid your research.

#### Libraries News & Events


10/5 Intro to Library Research Part 1  
Intro to Library Research Part 1  
Fri, 10/05/2012 - 1:30 p.m. - 2:45 p.m. 310 Wal...

For the Common Good  
When: September 10 - November 30, 2012 Where: Andersen Atrium Gallery Free and O...

Celebrating Dr. Kerlan's 100th!  
The University of Minnesota Libraries celebrated the anniversary of Dr. Irvin Ke...

More News  
More Events  
More Workshops


#### Archives & Special Collections



Happy Birthday, Dr. Kerlan  
Dr. Irvin Kerlan, who in 1945 started collecting children's books, manuscripts, & artwork, would have turned 100 on September 18, 2012. This exhibit honors him with highlights from the collection.

Archives & Special Collections


#### Researcher & Instructor Support



Maximize your Research  
Evaluate emerging publishing models and identify open access journals and related publishing practices that provide broad access to knowledge created within the academy.

Instructor Support  
Researcher Support

#### Tools



RefWorks is a web-based citation manager that allows you to create your own databases of citations.

Citation Management Tools  
U of M Digital Conservancy  
UThink: blogs at the U of M

More Tools

## SUPPORT



the Libraries

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System status

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Federal Depository Library Program

# Cornell University Library



Cornell University  
Library

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Library pages  Cornell

[Home](#) [About Us](#) [Libraries](#) [Hours and Maps](#) [Help](#) [My Account](#) [Ask a Librarian](#)

Search:

Catalog

Articles, Ebooks...

Database Names

E-journal Titles

Images

Experts

for

Search for books, journals, and more at Cornell and libraries worldwide

[Advanced Search](#)  
[Search Tips](#)



[Classic Catalog](#)

One of millions of images from our collections. [Click for details.](#)

## Course Help

## Research Help

## Library Services

## Requests

## Search Course Info and Reserves

Enter course name,  
number, or professor:  
e.g., Shakespeare  
e.g., ENGL 1105  
e.g., Floyd

[Blackboard](#)

[Library Guides](#)

[For Faculty and Instructors](#)

## News

### The library that never sleeps

Several months ago, assistant professor of comparative literature Tom McEnaney heard whispers that the library was about to acquire... [more](#)

## LibeScope

### Data plan consultations



"I've used the consulting service from the Research Data Management Services Group (RDMSG), and they were immensely helpful in... [more](#)

## Events

### Collecting Imagination: Treasures from the Walker Library of the History of Human Imagination

Through a remarkable array of rare books, manuscripts, and artifacts from the collection of Jay ('77) and Eileen ('76), [more](#)

# The White House

http://www.whitehouse.gov/

the WHITE HOUSE PRESIDENT BARACK OBAMA

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BLOG PHOTOS & VIDEO BRIEFING ROOM ISSUES the ADMINISTRATION the WHITE HOUSE our GOVERNMENT

## Your WEEKLY ADDRESS

President Obama speaks about the tragic loss of four of our fellow Americans who were serving in our diplomatic post in Benghazi, Libya

Watch the Video

1 2 3 4



President Barack Obama tapers the Weekly Address, White House Photo, Sonya N. Hebert, 9/14/12

### POPULAR TOPICS



#### Get the Facts

Since his first day in office, President Obama has focused on laying the foundation for an economy built to last. Explore the progress that President Obama has made on the issues that matter most to you, and find out what's next.

[Learn More](#)

◀ BACK | NEXT ▶

### THE BLOG

September 18, 2012 at 6:54 PM EDT

#### Celebrating the 2011 WNBA Champions

President Obama welcomes the Minnesota Lynx to the White House.

September 18, 2012 at 4:34 PM EDT

#### You're Invited: Join the White House Fall Garden Tour

White House followers on Twitter, Facebook and Google+ are invited to attend a special preview of the White House Fall Garden Tour and share their experience through social media. Learn how you can join us.

September 18, 2012 at 1:40 PM EDT

#### Behind the Scenes Video: Team USA at the White House

This new video lets you go behind the scenes

### WHITE HOUSE SCHEDULE

The President's Schedule

The Vice President's Schedule

### FEATURED LEGISLATION

Veteran Skills to Jobs Act

Signed: Monday, July 23, 2012

The Temporary Surface Transportation Extension Act of 2012

Signed: Friday, June 29, 2012

Export-Import Bank Reauthorization Act of 2012

Signed: Wednesday, May 30, 2012

Jumpstart Our Business Startups Act

Signed: Thursday, April 5, 2012

### SEARCH the SITE

Search WhiteHouse.gov

**WE the PEOPLE** YOUR VOICE IN OUR GOVERNMENT

Create and Sign Petitions on WhiteHouse.gov

[GET STARTED NOW ▶](#)

### PHOTO of the DAY



President Barack Obama greets Minnesota Lynx

# Cabinet Office UK

<http://www.cabinetoffice.gov.uk/>

The screenshot shows the Cabinet Office UK website homepage. At the top, there is a navigation bar with links for Cookies, Contact us, Press Office, Subscribe, News, and Resource Library. The main header features the Cabinet Office logo and a search bar. Below this is a horizontal menu with categories: About the Cabinet Office, National Security, Constitutional Reform, Government Efficiency, Transparency, Big Society, and Government: How it works.

The main content area is divided into several sections:

- Organisations selected to deliver National Citizen Service contracts**
- Government's first use of Contestable Policy Fund**
- Francis Maude celebrates City Year's London expansion**
- Chief Operating Officer for government appointed**
- Civil Service Graduate Fast Stream opens for new applications**
- Successful bidder, IPPR, commissioned to review how other civil services work**

There is a "Stay in touch" section with a search bar and social media icons for RSS, Email, Twitter, Facebook, and YouTube. Below this is a "Real time energy use" section featuring a bar chart and the text "£26.26 per hour" with a link to "See more on CarbonCulture".

The "Explore Cabinet Office" section includes a grid of images and titles: "Number 10", "Deputy Prime Minister", "Government Efficiency" (with the slogan "Work better"), "Big Society", "National Security", and "Transparency".

The "Most recent resources" section lists five items:

- Principal Civil Service Pension Scheme 2015 – Equality Impact Assessment
- Procurement Policy Note 08/12 – Update on Modernisation of the European Union Procurement Rules
- Procurement Policy Note 07/12 - Tax Arrangements of Public Appointees
- Making it easier to set up and run a charity, social enterprise or voluntary organisation: Progress Update
- Innovation in Giving Fund – Round 1 Grant recipients

A "View all resources" link is provided at the bottom of this section.

The "Quick Links" section is organized into a grid of boxes for various areas:

- About us:** Our ministers, Our board, Our structure, Our partners, Plans and performance, Supporting the Cabinet Office, Working for the Cabinet Office
- National Security:** National Security Council, Civil Contingencies, Our structure, Intelligence, Government Security, Cyber Security, Who's who, Contact us
- Constitutional reform:** Overview, Who's who, Contact us, FAQs, Useful links
- Government Efficiency:** Overview, News, Contact us
- Transparency:** Overview, Who's who, Contact us, FAQs, Useful links
- Big Society:** Overview, Who's who, Contact us, FAQs, Useful links
- How Government works:** The Executive, Government structure, Conduct and ethics, Honours and awards, Privy Council, Parliamentary business
- Contact:** Contact us, Technical queries
- News:** Latest news
- Resource Library:** Documents and resources

At the bottom, there are logos for CIVILSERVICE, Directgov, and Number10, along with a footer containing links for Terms and conditions, Privacy Policy, Crown Copyright, Freedom of Information, Accessibility, and Cabinet Office web archive.



# Parliament of Canada

<http://www.parl.gc.ca/>

 **PARLIAMENT of CANADA**

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PARL.GC.CA

41st Parliament, 1st Session



## Senate

Find a senator by province or territory.

### Current Business

The Senate is adjourned until Tuesday, September 25, 2012.

- ♦ [Order Paper and Notice Paper](#)
- ♦ [Latest Journals](#)
- ♦ [Latest Debates](#)
- ♦ No committee meetings scheduled today
- ♦ [Newsroom](#)

Visit the [Senate Portal](#).

Webcasts of proceedings are available via ParlVu.

For more information on previous sittings and committee meetings, please consult the [Parliamentary Business](#) section.

The Senate of Canada has taken measures to enhance transparency and oversight of public resources by disclosing [reports](#).



## House of Commons

Find an M.P. by postal code.

### Current Business

- ♦ [Projected Order of Business](#)
- ♦ [Order Paper and Notice Paper](#)
- ♦ [Latest Journals](#)
- ♦ [Latest Debates](#)
- ♦ [Today in the House Web site](#)
- ♦ [Today's Committee Meetings](#)

Webcasts of proceedings are available via ParlVu.

For more information on previous sittings and committee meetings, please consult the [Parliamentary Business](#) section.

The [Board of Internal Economy](#) is the governing body of the House of Commons. Learn more about the Board and the information that is disclosed to the public.



## Bills

[Bills Before Parliament](#)

LEGISinfo provides information on legislation dating back to the 37th Parliament in 2001.

## What's New



- ♦ To mark [Canada's Democracy Week](#), the Library of Parliament has launched a new online resource, [Explore Our Country, Our Parliament](#), which encourages young Canadians to connect with Parliament using games, videos and interactive media. A new YouTube channel and the updated website [Discover How Canadians Govern Themselves](#) are also available at [www.parl.gc.ca/youth](http://www.parl.gc.ca/youth).  
September 17, 2012
- ♦ The [Hansard](#) and Committee Evidence is now offering more detailed information on Persons and Bills. By clicking on the MP's name in the intervention, a picture of the MP

Thank You

The image features a solid blue background with a white wavy line at the bottom. The text "Thank You" is centered in the upper half of the image.

# Part 2

## Contents

- \* System Requirements
- \* Understanding Drupal Core Features
- \* Understanding Drupal Theming
- \* Understanding Drupal Modules
- \* Installing and Configuring Drupal
- \* Creating, Publishing and Promoting Contents
- \* Installing Drupal Themes
- \* Installing Drupal Modules
- \* Resources
- \* Questions & Answers Session

# Part – 2

## Contents

- \* System Requirements
- \* Understanding Drupal Core Features
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- \* Installing Drupal Modules
- \* Resources
- \* Questions & Answers Session




# Assumptions

- \* No previous knowledge on the Drupal System
- \* Little to no knowledge of web development

- 
- \* **System Requirements**
  - \* Understanding Drupal Core Features
  - \* Understanding Drupal Theming
  - \* Understanding Drupal Modules
  - \* Installing and Configuring Drupal
  - \* Creating, Publishing and Promoting Contents
  - \* Installing Drupal Themes
  - \* Installing Drupal Modules
  - \* Resources
  - \* Questions & Answers Session

# System Requirements

- \* Apache Web server
  - \* This is the software system that lets others on the internet access our whole website or web contents
- \* PHP
  - \* This is the base language that has been used to develop Drupal
- \* MYSQL
  - \* This is the database management system that we are going to use for letting Drupal store it's data
- \* XAMPP (Windows) / LAMP (Linux) / MAMP (Mac)
  - \* This is a complete package system that automates the process of installing Apache Web Server, PHP and MySQL all at once very easily.

- 
- \* System Requirements
  - \* **Understanding Drupal Core Features**
  - \* Understanding Drupal Theming
  - \* Understanding Drupal Modules
  - \* Installing and Configuring Drupal
  - \* Creating, Publishing and Promoting Contents
  - \* Installing Drupal Themes
  - \* Installing Drupal Modules
  - \* Resources
  - \* Questions & Answers Session

# Understanding Drupal Features

- \* Content Concepts
- \* Regions, Menus & Blocks
- \* Users, Roles & Permissions

# Understanding Drupal Features

- \* **Content Concepts**
- \* Regions, Menus & Blocks
- \* Users, Roles & Permissions

# Content Concepts

- \* Nodes
  - \* Any piece of site content that has been linked
  - \* Typically a single page on the site
  - \* Belongs to Content Types

# Content Concept

These Links are connecting to some inside site contents that are known as nodes

The screenshot displays a library website with several sections. A black callout box on the left points to various links across the site, identifying them as 'nodes'. The sections include:

- My Account**: Log in to your account for placing holds, checking and renewing loans.
- MyAthens**: Log in to MyAthens Account and access to electronic resources (e-journals and databases) off campus.
- Library Timings**: Sun - Thu (9:00 am - 9:00 pm), Friday (2:30 pm - 9:00 pm), Saturday (1:00 pm - 9:00 pm). Closed on Holidays.
- Ask a Librarian**: Contact | Email | Chat offline.
- Latest News**: Emerald subscription activated.
- Calendar**: A calendar for October with dates 1 through 31.
- New Arrivals**: Four book covers with 'Details' links: Human Resource Management, Winner-Take-All Politics, Statistics for Research, and Android for Management.
- Downloads**: Book Requisition Form (BBRF.doc), Student Membership Form (MFS.pdf), Staff Membership Form (MFE.pdf), and New Book List (NB.pdf).
- Events**: A list of events including Library Sessions and a Drupal Workshop, with dates from Oct 04 to Oct 08.
- Services**: Information Literacy and Classes, Style Guides & Citation Builders, Library Borrowing Privileges, and Library User Policy.
- News Archive**: Social Science Library: Frontier..., SMS Text Alerts: a faster option for..., Free Trial Access to Elsevier Journal..., and Emerald subscription activated.
- Tweets**: BRACU\_LIBRARY tweet: Access all our University Publications through t.co/tRB3s8IX, 2 weeks 18 hours ago.

Red boxes highlight the 'Services' and 'News Archive' sections at the bottom. A red box also highlights the 'Events' section. Arrows from the callout box point to the 'Details' links in 'New Arrivals', the PDF links in 'Downloads', and the 'Library Session' links in 'Events'.



# Understanding Drupal Features

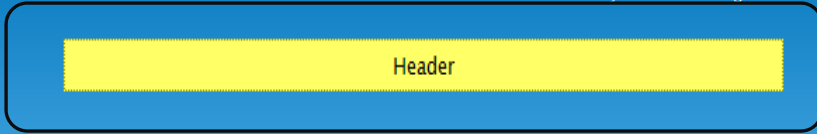
- \* Content Concepts
- \* **Regions, Menus & Blocks**
- \* Users, Roles & Permissions

Exit block region demonstration

My account Log out



# My Library



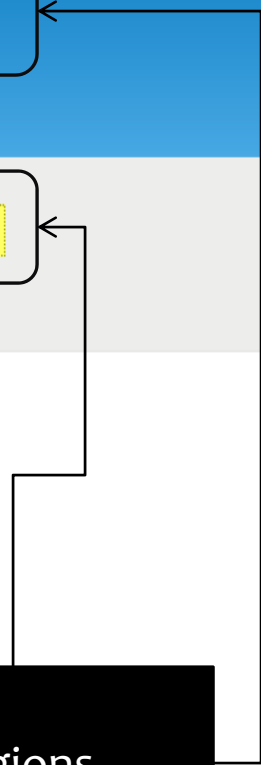
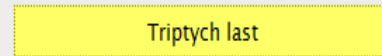
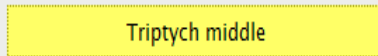
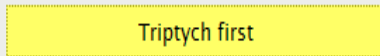
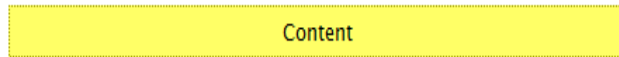
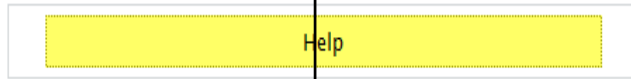
Home



Home



## Bartik





# My Library

Home

Contact



## Welcome to My Library

No front page content has been created yet.

- [Add new content](#)

Navigation

▸ [Add content](#)

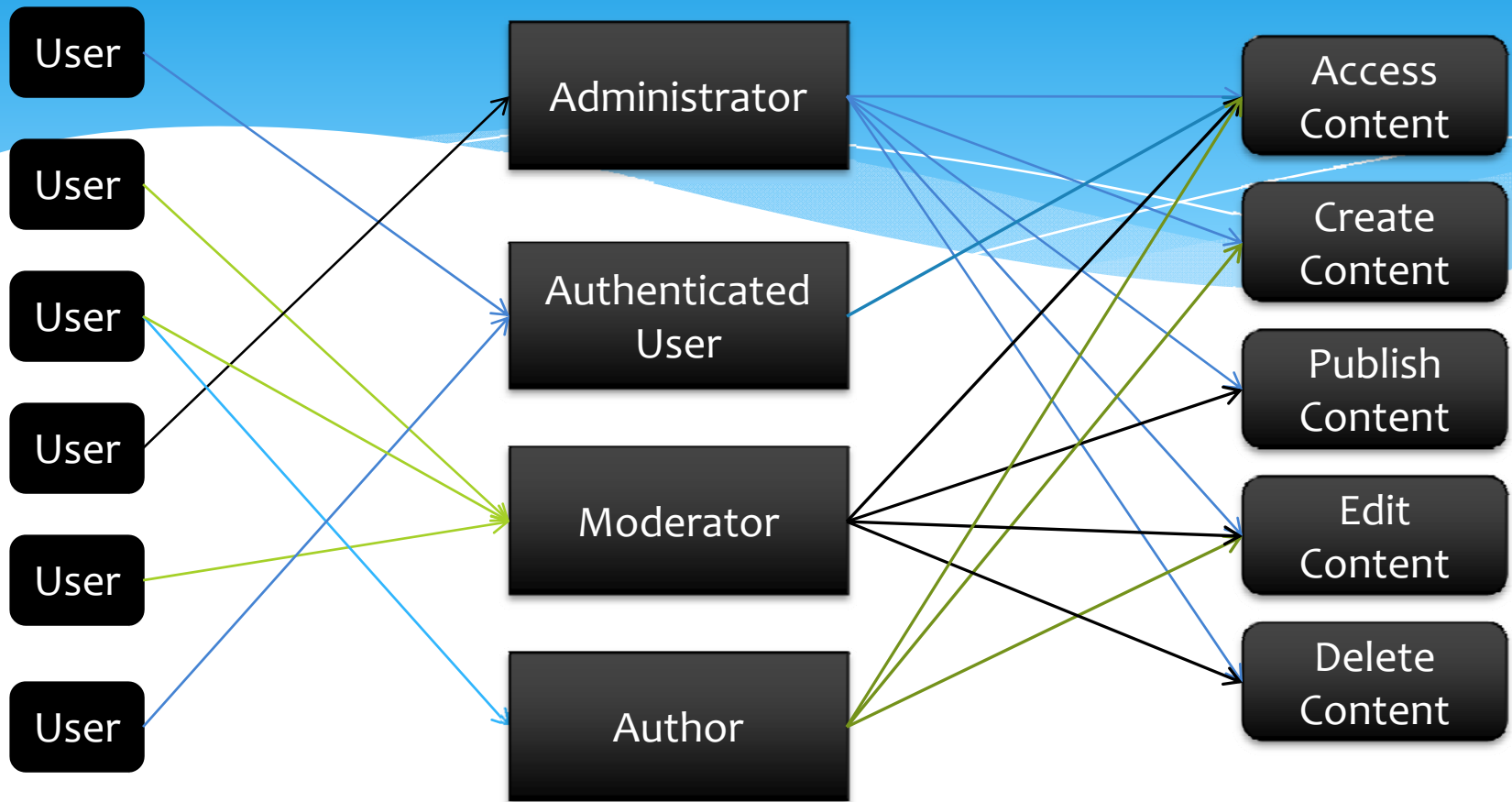
Menus

Blocks

# Understanding Drupal Features

- \* Content Concepts
- \* Regions, Menus & Blocks
- \* **Users, Roles & Permissions**

# Users, Roles And Permissions




Users

Roles

Permissions

# Users, Roles And Permissions

- \* Users
  - \* Anonymous, Registered, Administrators etc.
- \* Roles
  - \* Roles are like groups
  - \* One user can have multiple roles
- \* Permissions
  - \* Provided to roles
  - \* Greatly flexible for implementing multi – level privileges

- 
- \* System Requirements
  - \* Understanding Drupal Core Features
  - \* **Understanding Drupal Theming**
  - \* Understanding Drupal Modules
  - \* Installing and Configuring Drupal
  - \* Creating, Publishing and Promoting Contents
  - \* Installing Drupal Themes
  - \* Installing Drupal Modules
  - \* Resources
  - \* Questions & Answers Session

# Drupal Themes

- \* Controls the look and feel of the website
- \* Built upon PHP, JAVASCRIPT, HTML & CSS
- \* Theme Types
  - \* Default
    - \* Bartik, Garland, stark
  - \* Starter
    - \* Zen, Fusion etc.
  - \* Contributed
    - \* CorporateClean, Corolla, Aura etc.
  - \* Custom





## Sample product name

General  
*Client name*

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

[Tell me more](#)



### Welcome to My Library

The library supports the instructional and research mission of the university through the development, organization and maintenance of on-site collections in multiple locations; access to off-site resources; personalized assistance in the use of library and information resources; and instruction on research strategies and tools.

[Read more](#)



Your choice for Library CMS?

Joomla	<input type="text"/>	0%
Drupal	<input type="text"/>	0%

Total votes: 0

[Older polls](#)


### User login

**Username \***

**Password \***

- [Create new account](#)
- [Request new password](#)

[Log in](#)

- 
- \* System Requirements
  - \* Understanding Drupal Core Features
  - \* Understanding Drupal Theming
  - \* **Understanding Drupal Modules**
  - \* Installing and Configuring Drupal
  - \* Creating, Publishing and Promoting Contents
  - \* Installing Drupal Themes
  - \* Installing Drupal Modules
  - \* Resources
  - \* Questions & Answers Session

# Drupal Modules

- \* Provides Advanced Functionality to the Site
- \* Types
  - \* Core Modules
  - \* Contributed Modules
    - \* Library Modules
  - \* In House Built Modules

# Modules Used For Our Library (Contributed)

- \* Views
- \* QuickTabs
- \* Custom Search
- \* Date / Time
- \* Querypath
- \* Backup and Migrate
- \* Mollom
- \* Twitter Pull
- \* Beauty Tips
- \* Webform
- \* Ckeditor

# In House Built Modules / Contributed Library Modules

- \* KOHA Patron Information

- \* Used for showing id specific user information
- \* Utilizes KOHA ILS API

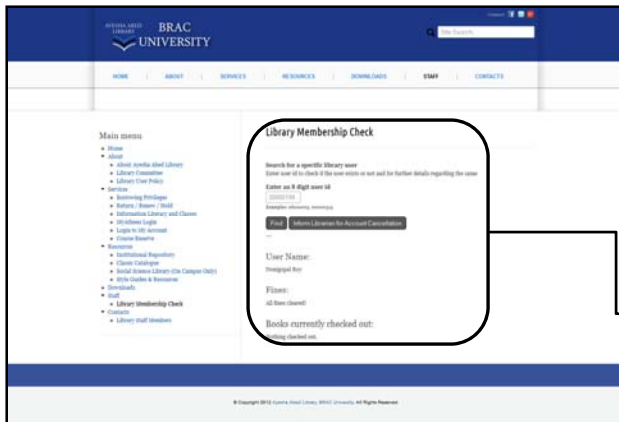
- \* Book Records

- \* Provides a list of book entries within the provided date range
- \* Utilizes OAI-PMH

- \* ILS Authentication Module

- \* Contributed Module
- \* Used for authenticating users against KOHA user database inside Drupal
- \* Driver developed based on KOHA ILS API

# Koha Patron Information



## Library Membership Check

### Search for a specific library user

Enter user id to check if the user exists or not and for further details regarding the same

### Enter an 8 digit user id

Examples: 06101003, 00000315

### User Name:

Nonigopal Roy

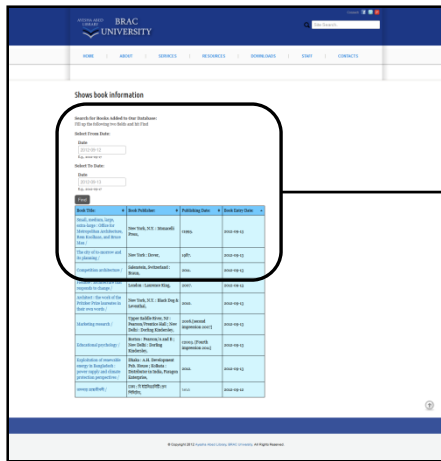
### Fines:

All fines cleared!

### Books currently checked out:

Nothing checked out.

# Book Records Retrieval



## Search for Books Added to Our Database:

Fill up the following two fields and hit Find

### Select From Date:

Date

E.g., 2012-09-17

### Select To Date:

Date

E.g., 2012-09-17

**Find**

Book Title: ◆	Book Publisher: ◆	Publishing Date: ◆	Book Entry Date: ▲
Small, medium, large, extra-large : Office for Metropolitan Architecture, Rem Koolhaas, and Bruce Mau /	New York, N.Y. : Monacelli Press,	c1995.	2012-09-13
The city of to-morrow and its planning /	New York : Dover,	1987.	2012-09-13
Competition architecture /	Salenstein, Switzerland : Braun,	2011.	2012-09-13

Search Classic Catalogue Databases A-Z Institutional Repository

Search for books, journals and repository items ...

All Fields Find Advanced

ACM Digital Library Access Activated

Now you get access to 300,957 Full-text articles. 20,000+ New full-text articles are being added every year and there's even more.. You can access all of these from our University campus..



Custom Search Module

QuickTabs Module

**My Account**

Log in to your account for placing holds, checking and renewing loans

**MyAthens**

Log in to MyAthens Account and access to electronic resources (e-journals and databases) off campus

**Library Timings**

Sun - Thu (9:00 am - 9:00 pm)  
Friday (2:30 pm - 9:00 pm)  
Saturday (11:00 pm - 9:00 pm)  
Closed on Holidays

**Ask a Librarian**

Contact | Email | Chat online

Views Module

**Latest News**

ACM Digital Library

**Calendar**

October

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Calendar Module

**New Arrivals**

Details

Details

Details

Details

**Downloads**

Book Requisition Form	BBRF.doc
Student Membership Form	MFS.pdf
Staff Membership Form	MFF.pdf
New Book List	NB.pdf

**Events**

Library Session	Thu Oct 04
Drupal Workshop	Sun Oct 07
Library Session	Mon Oct 08
Library Session	Mon Oct 08
Library Session	Mon Oct 08

more

Twitter Pull Module

**Services**

- Information Literacy and Classes
- Style Guides & Citation Builders
- Library Borrowing Privileges
- Library User Policy

**News Archive**

- Social Science Library: Frontier...
- SMS Text Alerts: a faster option for...
- Free Trial Access to Elsevier Journal...
- Emerald subscription activated

more

**Tweets**

**BRACU\_LIBRARY**

Drupal workshop for library professionals on 07.10.2012

22 hours 18 min ago.



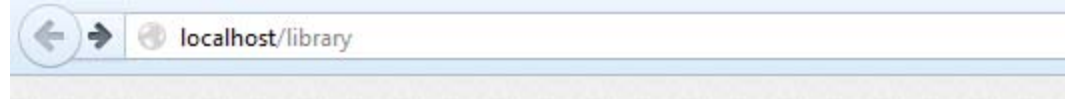
# A Step by Step Guide for Installing and Configuring Drupal (Windows Environment)

- \* XAMPP Installation
- \* Drupal Installation
- \* Creating and Publishing Contents
- \* Theme Switching / Installation
- \* Modules Installation & Configuration

# XAMPP Installation

Practical Demonstration

# Drupal Installation Step by Step Guide



Type the above link in your browser  
(Assuming the website folder is called 'library')

## Select an installation profile



- Standard**  
Install with commonly used features pre-configured.
- Minimal**  
Start with only a few modules enabled.

Save and continue

### ► **Choose profile**

Choose language

Verify requirements

Set up database

Install profile

Configure site

Finished

## Choose language



English (built-in)

[Learn how to install Drupal in other languages](#)

Save and continue

✓ Choose profile

▶ **Choose language**

Verify requirements

Set up database

Install profile

Configure site

Finished

## Database configuration



- ✓ Choose profile
- ✓ Choose language
- ✓ Verify requirements

### ▶ Set up database

- Install profile
- Configure site
- Finished

#### Database type \*

- MySQL, MariaDB, or equivalent
- SQLite

The type of database your Drupal data will be stored in.

#### Database name \*

The name of the database your Drupal data will be stored in. It must exist on your server before Drupal can be installed.

#### Database username \*

#### Database password

#### ▶ ADVANCED OPTIONS

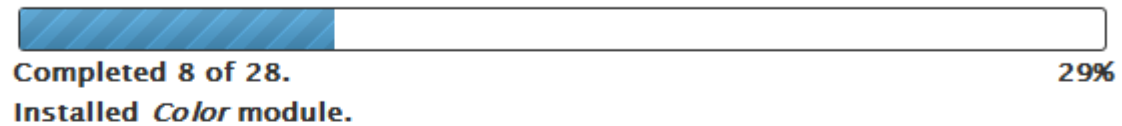
1. Put the Website Database Name

2. Put the Database User Name

3. Put the Database User Password

4. Click to Continue

## Installing Drupal



- ✓ Choose profile
- ✓ Choose language
- ✓ Verify requirements
- ✓ Set up database
- ▶ **Install profile**
  - Configure site
  - Finished



- ✓ Choose profile
- ✓ Choose language
- ✓ Verify requirements
- ✓ Set up database
- ✓ Install profile
- ▶ **Configure site**

Finished

Fill up the \*  
Marked Fields  
and Continue

## SITE INFORMATION

**Site name \***

**Site e-mail address \***

Automated e-mails, such as registration information, will be sent from this address. Use an address ending in your site's domain to help prevent these e-mails from being flagged as spam.

## SITE MAINTENANCE ACCOUNT

**Username \***

Spaces are allowed; punctuation is not allowed except for periods, hyphens, and underscores.

**E-mail address \***

**Password \***

Password strength:  **Fair**

**Confirm password \***

Passwords match: yes

To make your password stronger:

- Add lowercase letters
- Add uppercase letters
- Add punctuation



Fill up the \*  
Marked Fields  
and Continue

Select Your  
Country and Time  
Zone

**Password \***

••••••

Password strength:

Fair

**Confirm password \***

••••••

Passwords match: yes

To make your password stronger:

- Add lowercase letters
- Add uppercase letters
- Add punctuation

### SERVER SETTINGS

**Default country**

Bangladesh



Select the default country for the site.

**Default time zone**

Asia/Dhaka: Tuesday, October 2, 2012 - 12:12 +0600



By default, dates in this site will be displayed in the chosen time zone.

### UPDATE NOTIFICATIONS

Check for updates automatically

Receive e-mail notifications

The system will notify you when updates and important security releases are available for installed components. Anonymous information about your site is sent to [Drupal.org](http://Drupal.org).

Save and continue

## Drupal installation complete



Congratulations, you installed Drupal!

[Visit your new site.](#)

- ✓ Choose profile
- ✓ Choose language
- ✓ Verify requirements
- ✓ Set up database
- ✓ Install profile
- ✓ Configure site
- ✓ Finished



# My Library

[My account](#) [Log out](#)

Home

## Welcome to My Library

No front page content has been created yet.

### Navigation

▶ [Add content](#)

- [Add new content](#)



# My Library

My account Log out

Home



## Welcome to My Library

No front page content has been created yet.

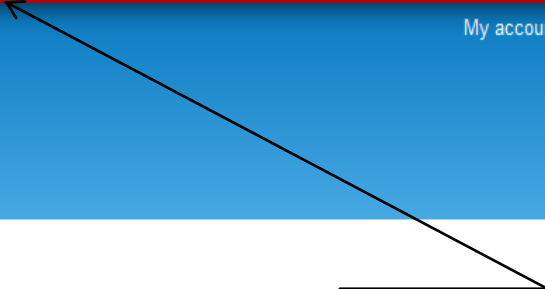
- [Add new content](#)

Navigation

---

▶ [Add content](#)

Administrator's Dashboard



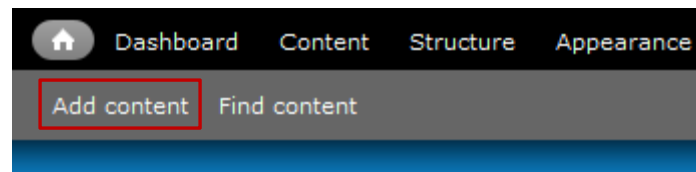
A Quick Overview

# Creating, Publishing and Promoting a Content (In Easy Five Steps)

\* Content Type Demonstrated: Basic Page

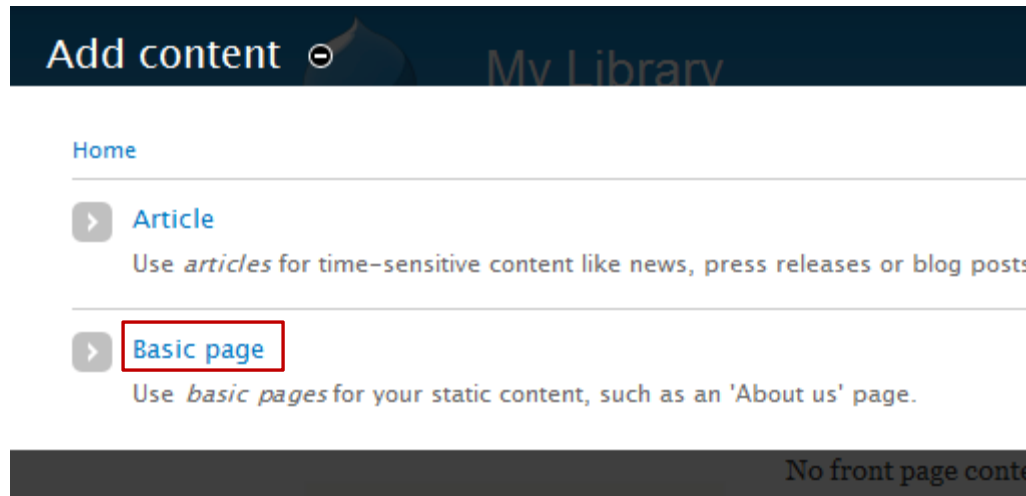
## Step – 1

Click the 'Add Content' Button under 'Content' tab in the Admin Dashboard




## Step – 2



# Select 'Basic Page' from the list



The screenshot shows a dark blue header bar with the text "Add content" and a dropdown arrow icon on the left, and "My Library" on the right. Below the header, the word "Home" is displayed. A list of content types follows, each with a right-pointing arrow icon and a description. The "Basic page" option is highlighted with a red rectangular border. At the bottom of the interface, a dark grey bar contains the text "No front page conte".

Add content  My Library




Home

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

No front page conte

# Step – 3

## Fill up the necessary fields

Create Basic page  My Library  

[Home](#) » [Add content](#)


**Title \***

**Body (Edit summary)**

The library supports the instructional and research mission of the university through the development, organization and maintenance of on-site collections in multiple locations; access to off-site resources; personalized assistance in the use of library and information resources; and instruction on research strategies and tools.

Library Mission and Vision:  
Mission

The Library's mission is to provide comprehensive resources and services in support of the research, teaching, and learning needs of the University community.





## Step – 4

Click on the 'Menu Settings' and tick 'Provide a menu link' and then fill up the fields as following to put a link to the content in the main menu

1. Click Menu Settings

The screenshot shows the 'Menu settings' form for an 'About' page. The form is divided into two columns. The left column contains sections for 'Revision information', 'URL path settings', 'Comment settings', 'Authoring information', and 'Publishing options'. The right column contains 'Provide a menu link', 'Menu link title', 'Description', 'Parent item', and 'Weight'. Red boxes highlight the 'Menu settings' title, the 'Provide a menu link' checkbox, the 'Menu link title' text field, the 'Parent item' dropdown menu, and the 'Weight' dropdown menu. Arrows point from these boxes to numbered callout boxes on the right.

<b>Menu settings</b> About	<input checked="" type="checkbox"/> Provide a menu link
<b>Revision information</b> No revision	<b>Menu link title</b> About
<b>URL path settings</b> No alias	<b>Description</b>  Shown when hovering over the menu link.
<b>Comment settings</b> Closed	<b>Parent item</b> <Main menu>
<b>Authoring information</b> By librarian	<b>Weight</b> 1
<b>Publishing options</b> Published, Promoted to front page	

2. Tick the provide a menu link

3. Fill up the title

4. Select the parent menu

# Step – 5

## Publishing and Promoting the Content

The screenshot displays a content management system interface with several sections on the left and a right-hand panel. The left sections are: 'Menu settings' (Not in menu), 'Revision information' (No revision), 'URL path settings' (No alias), 'Comment settings' (Closed), and 'Authoring information' (By librarian). The 'Publishing options' section is highlighted with a red box and contains the text 'Published, Promoted to front page'. Below this are 'Save' and 'Preview' buttons, with the 'Save' button also highlighted by a red box. The right-hand panel contains three checkboxes: 'Published' (checked), 'Promoted to front page' (checked), and 'Sticky at top of lists' (unchecked). Red arrows point from the 'Published' and 'Promoted to front page' checkboxes to callout boxes on the right, and from the 'Save' button to a callout box at the bottom right.

1. Click on the 'Publishing options'

2. Tick this to publish the content

3. Tick this to Promote to the first page

4. Click to save

# Final Output

Created  
Content Menu  
link

Created  
Content

Home Contact About

Home



Navigation

▶ [Add content](#)

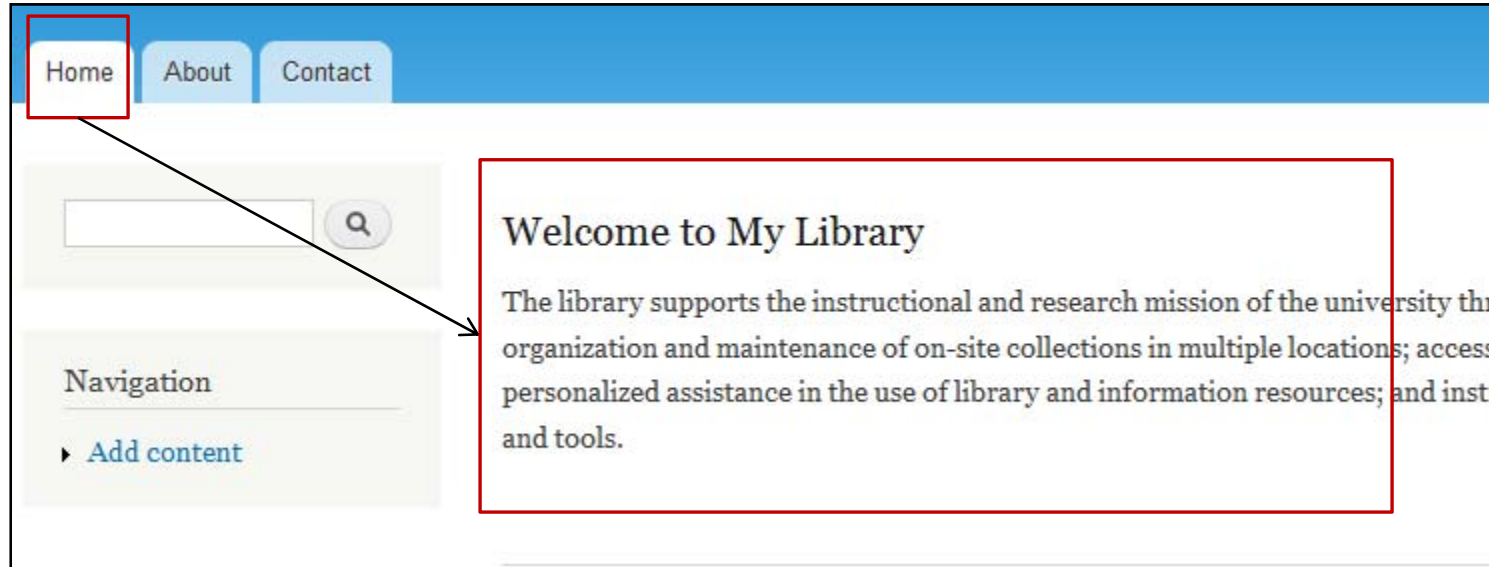
## Welcome to My Library

View Edit

The library supports the instructional and research mission of the university through the development, organization and maintenance of on-site collections in multiple locations; access to off-site resources; personalized assistance in the use of library and information resources; and instruction on research strategies and tools.


Library Mission and Vision:  
Mission

# Content Promoted to the Front Page



The screenshot shows a library website interface. At the top, there is a blue navigation bar with three buttons: "Home", "About", and "Contact". The "Home" button is highlighted with a red box. Below the navigation bar, there is a search bar with a magnifying glass icon. To the left of the search bar, there is a "Navigation" section with a sub-section titled "Add content" and a right-pointing arrow. A red box highlights the "Add content" link, and an arrow points from this box to the "Home" button. In the main content area, there is a section titled "Welcome to My Library" with a red box around it. Below the title, there is a paragraph of text: "The library supports the instructional and research mission of the university through the organization and maintenance of on-site collections in multiple locations; access to digital resources; personalized assistance in the use of library and information resources; and instructional services and tools."

Home About Contact



Navigation

► [Add content](#)

## Welcome to My Library

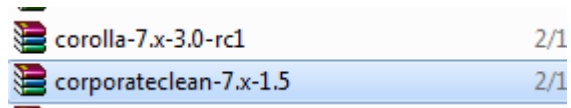
The library supports the instructional and research mission of the university through the organization and maintenance of on-site collections in multiple locations; access to digital resources; personalized assistance in the use of library and information resources; and instructional services and tools.



# Drupal Theme Installation (In Easy Four Steps)

- \* Theme Used: Corporate Clean
- \* Web Link: <http://drupal.org/project/corporateclean>

# Step – 1

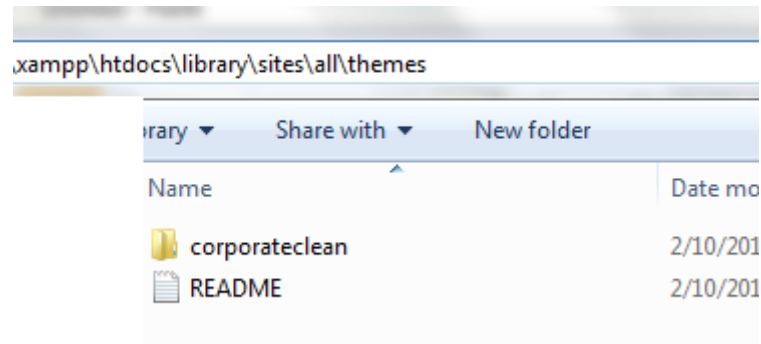
## Unzip the Downloaded Theme



 corolla-7.x-3.0-rc1	2/1
 corporateclean-7.x-1.5	2/1

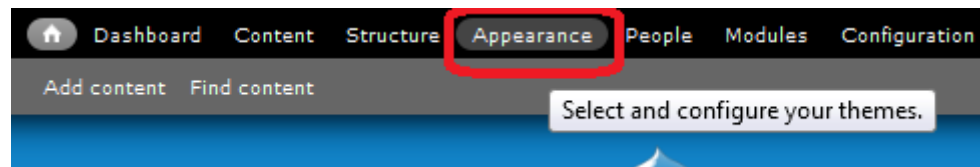
## Step – 2

Place the Unzipped Folder at  
“/xampp/htdocs/unzipped\_drupal\_folder/sites/all/themes/”



## Step – 3

# Click the Appearance Button from the Administration Dashboard





## Step – 4

Find the theme name that was placed earlier and click ‘Enable and set default’ to activate it

### DISABLED THEMES



#### CorporateClean 7.x-1.5

A flexible, recolorable theme with many regions supported by [More Than \(just\) Themes](#). If you like this theme, we encourage you to try also our other [Premium](#) and [Free Drupal](#) themes.

Enable | **Enable and set default**



#### Garland 7.15

A multi-column theme which configured to modify colors between fixed and fluid widths.

Enable | Enable and set def

# Final Output

The screenshot shows a Drupal website theme for 'Corporateclean My Library'. The top navigation bar includes links for Dashboard, Content, Structure, Appearance, People, Modules, Configuration, Reports, and Help. The user is logged in as 'librarian' and can log out. Below the navigation bar, there are links for 'Add content' and 'Find content'. The main header features the site name 'Corporateclean' and 'My Library', along with navigation links for HOME, ABOUT, and CONTACT. The main content area displays a featured product titled 'Sample product name' with a general description and a client name field. Below the product, there is a 'Welcome to My Library' section with a paragraph of text. A search bar and a 'Navigation' section are also visible.


Dashboard Content Structure Appearance People Modules Configuration Reports Help Hello librarian Log out

Add content Find content Edit shortcuts

## Corporateclean

My Library

HOME ABOUT CONTACT



### Sample product name

General  
*Client name*

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

Welcome to My Library

The library supports the instructional and research mission of the university through the development, organization and maintenance of on-site collections in multiple locations; access to off-site resources; personalized assistance in the use of library and information resources; and instruction on research strategies and tools.

Search

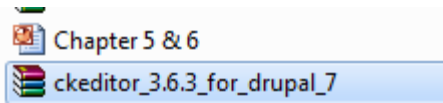
### Navigation

# Drupal Module Installation (In Easy Four Steps)

- \* Module Demonstrated: Ckeditor
- \* Module Purpose: Allows Drupal to replace textarea fields with a visual HTML Editor that provides editing functions like the desktop editor MS Word.
- \* Web Link: <http://drupal.org/project/ckeditor>

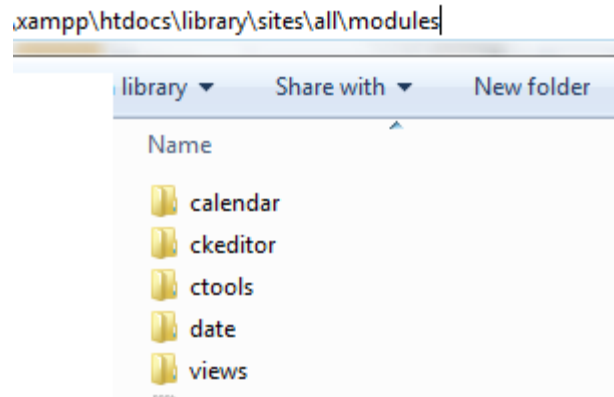
# Step – 1

## Unzip the Downloaded Module



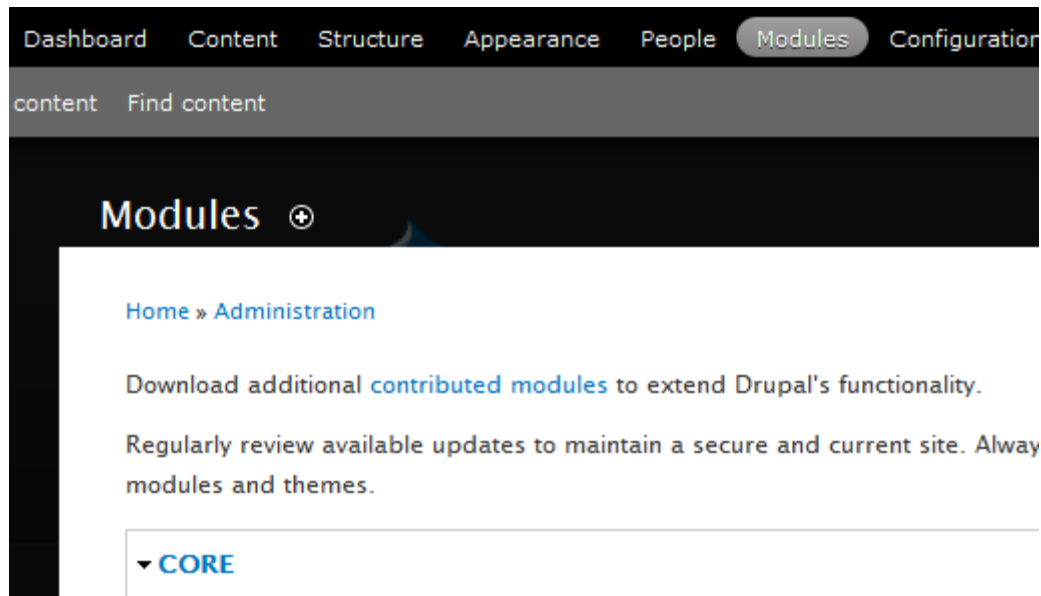
## Step – 2

Place the Unzipped Folder at  
“/xampp/htdocs/unzipped\_drupal\_folder/sites/all/modules/”




## Step – 3

Click the Module Button from the Administration Dashboard



# Step – 4

## Enable the module from the module page

Modules 

[LIST](#) [UNINSTALL](#)

[Home](#) » [Administration](#)

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

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

▶ **CORE**

▼ **USER INTERFACE**

ENABLED	NAME	VERSION	DESCRIPTION	OPERATIONS
<input type="checkbox"/>	<b>CKEditor</b>	7.x-1.9	Enables CKEditor (WYSIWYG HTML editor) for use instead of plain text fields.	

[Save configuration](#)





# Resources

## • Drupal Library Community

- \* <http://groups.drupal.org/libraries>
- \* <http://drupalib.interoperating.info>
- \* <http://drupal4lib.org/>
- \* <http://drupal.meetup.com/>
- \* Drupal Modules
  - \* <http://drupal.org/project/modules>
- \* Drupal Themes
  - \* <http://drupal.org/project/themes>
- \* Article
  - \* Tofan, Cristina, "The Application of Drupal to Website Development in Academic Libraries" (2010). Library Faculty and Staff Papers and Presentations. Paper 2. [http://encompass.eku.edu/faculty\\_staff/2](http://encompass.eku.edu/faculty_staff/2)

# Questions & Answers Session



Thank You