

Introduction to Website Building & WordPress

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Digital Integration Teaching Initiative (DITI)

NCHCW627 Final Year Projects and Publishing Horizons

Dr. Sam Kemp

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Feel free to ask questions at any point during the presentation!

Workshop Agenda

- Learn how to create a website with Wordpress
- Understand best practices in website creation
- Analyze WordPress website examples
- Learn how to wireframe (plan) a website

Handouts and Slides are available at:

<https://bit.ly/diti-spring22-kemp-wordpress>



Today's Activity: Plan and Build a Website

- Your goal is to learn how to create your own WordPress site
- Use this workshop to start planning, wireframing, and building a website on WordPress
- These skills will help as you if you decide to make a website this semester for this class and remain useful skills for making websites in the future



What is WordPress?

- WordPress is a professional **website-building tool** that allows you to build your own website
- It provides a free **domain name** with “wordpress” in the URL, and also has paid versions
- You can use WordPress **themes** and **widgets** to customize your website



Website Building Vocabulary

- **Pages:** These are the main areas of your website that your audience will be able to navigate in your site's menu.
- **Posts:** These are blog or news posts that show up as you publish them.
- **Domain:** Your domain name is the unique URL that leads to your website
- **Design:** the aesthetic choices for your website, including colors, fonts, and more



Thinking Critically about Website Building



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Why are you building a website?

- A website is just like a research report or an essay—it needs to clearly communicate its message or purpose to a specific audience.
- Critical first steps in website design are to consider **WHO** your audience is, **WHAT** they will need to be able to find and do on your site, and **HOW** they will move through the site.
- It can be tempting to add media and components to a website that *don't* contribute to the site's message/purpose, but resist this temptation. Going into any site-building platform with a clear idea of what your site needs is essential! Anything unnecessary is likely to be distracting.



Starting Points: Questions to Consider

- *Who* is this site for?
- *Why* would your identified audience(s) visit your site?
- *How* will they find what they need, and navigate around?



Starting Points: Questions (cont.)

- **What is the purpose** of this site?
 - How can you communicate this clearly in the site's content and design?
- **Can *everyone* use your site effectively?** Is it accessible on mobile devices, and to people with disabilities?
- How can you make **smart design choices** to enhance the site's
 - Look
 - Navigability
 - Functionality
 - Accessibility



Planning your website (overall considerations)

Audience (Message/Purpose)

Content (Posts, Bio, Images)

Navigability (Headers, Pages, Menus, Hyperlinks)

.....

Accessibility (Color scheme, Readability, Alt text)

Design (Color scheme, Font size, Typeface)

Media (Images, Embedded elements)

Other Functionalities (Widgets, Buttons, etc.)



Activity #1: Evaluating Website Design



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WordPress Examples

Explore and evaluate the following faculty/student/institutional WordPress websites on design, navigation, accessibility, media, content etc.

- <https://madisonwaldron.WordPress.com/>
- <https://jordanwlai.WordPress.com/>
- <https://juliaflanders.wordpress.com/>
- <http://www.cameronblevins.org/>
- <https://dsg.northeastern.edu/>

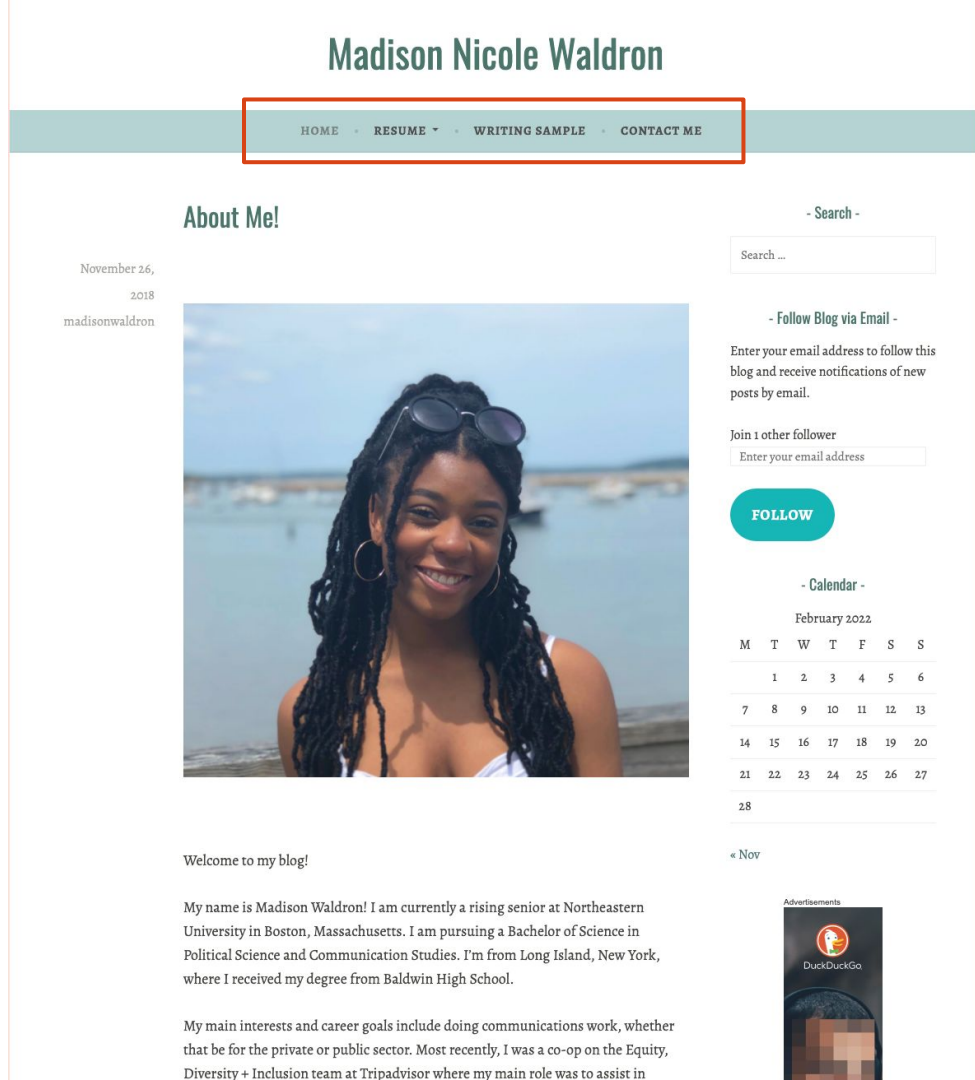


Example: Student Website

- Objective: Student Portfolio for Professional Use
- Navigation: Pages/subpages [parent-child page]
- Media: Photo
- Design: Search, Calendar, Follow Blog Widgets



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Activity: Wireframing



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Wireframing: Planning your Site

- Before most people create websites, they create **wireframes**. Wireframes are rough outlines for the design and placement of a website's content. They also help us imagine how we envision users interacting on our site. Some questions to consider as you make a wireframe are:
 - What is the **purpose** of this site?
 - What are the **essential components** I need to get this point across?
 - Who is my **audience**?
 - What **site features** will best support my goals and audience?
 - How can I make my site **easy to use**?



Wireframing Tools

Following are some Wireframing tools/frameworks that help brainstorm and visualize the website

- MockFlow: <https://www.mockflow.com/>
- Wireframe CC: <https://wireframe.cc/>
- DH Wireframing:
<https://dh.sites.gettysburg.edu/toolkit/design/wireframing/>



Wireframe Examples:

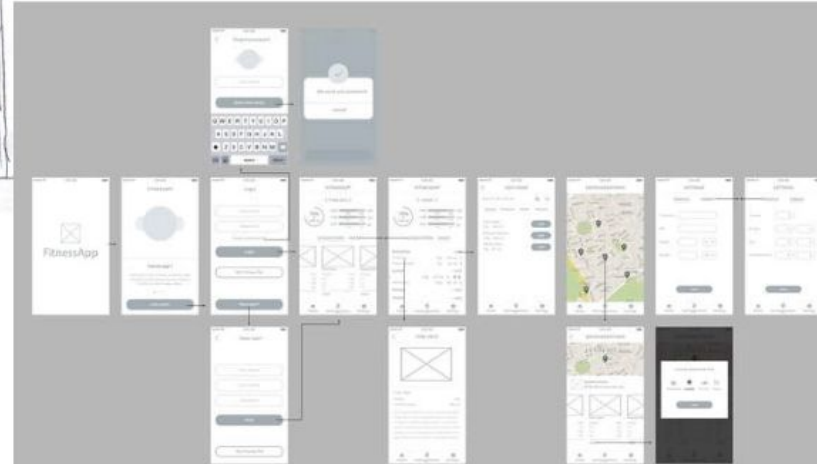
Wireframes help us plan and anticipate:

- **The Design**
 - the *aesthetic choices* (colors, font, etc.)
- **Layout of Individual Pages**
- **Site Navigation**
 - The menu organization and hierarchy
- **User experience**



Wireframe examples sourced from [Professor Julia Flanders](#), Northeastern University; slidedeck: "Wireframing and Project Design Processes"

Both fine!



Activity: Make a Wireframe!

Pull out a sheet of paper and a pencil!

Take 5 minutes to draw a quick sketch of what you think your website should look like for this class. Consider:

- How many pages do you need?
- What content will you include on each page?
- What is most important for your viewer (images, media, or text)?

This will affect the design of your website.



Website Development Best Practices

- Always remember your audience and think about how you want to represent your identity and your work to that audience.
- Use the “**Preview**” button to see how your site will appear to your audience.
- **More ≠ better!** You want your website to be easy to navigate, informative, and appealing.
- Pick a theme/format that is **compatible with mobile phones**.
- Design choices should be based on the **content** you are communicating.
- For maximum readability, **use simple fonts and a high color contrast** between text and background color. This is particularly important for accessibility.

Good

Good

Not so good

Not so good



Building Website using WordPress



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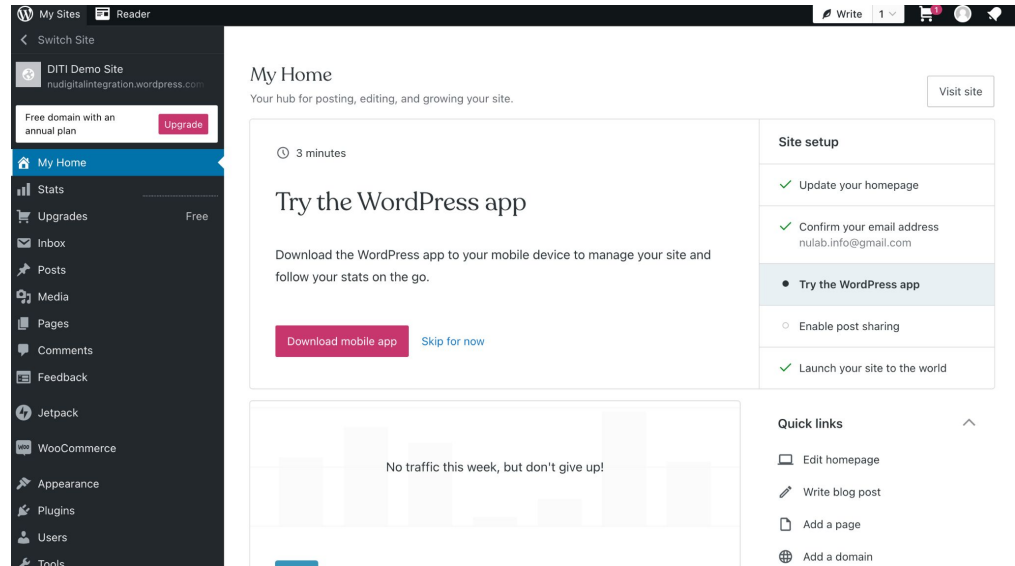
Get Started

- Go to <https://wordpress.com/> and click “**Get Started**” in the upper right corner
- Fill out the “**Create a Site**” information
- Choose a **domain name**. WordPress provides a free domain with “.wordpress.com” at the end of the URL.
- Use an email that you associate with your professional identity
- Make sure to select the free version of **hosting** (on wordpress.com)



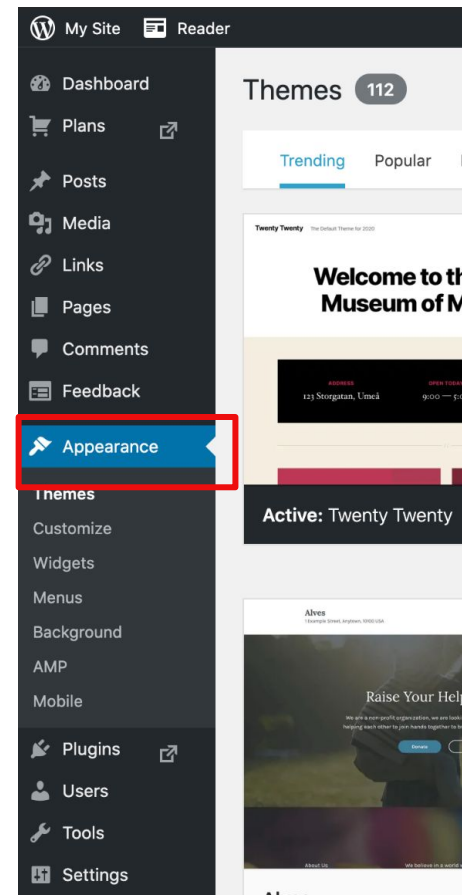
Your Homepage

Once you have created your site, you will be brought to a landing page for your site called "**My Home.**" This page has navigation links on the left, and a useful "Quick links" section on the right with options for editing your homepage, adding a new page, editing your menus, and more.

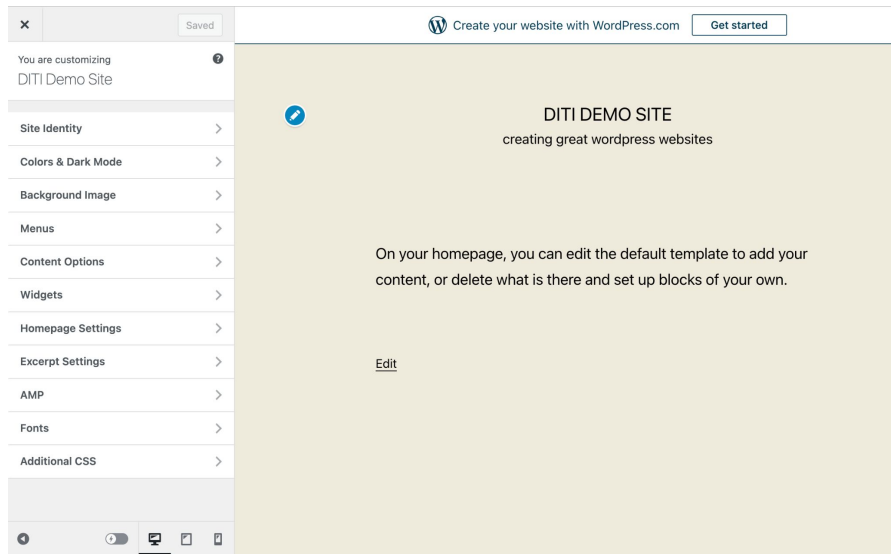


Choose a Theme

- **Themes** control your WordPress site's appearance and functionality
- In the left-hand column of your homepage/dashboard, scroll to **“Appearance”** and then click the **“Themes”**
 - Depending on the content of your website, each theme will offer strengths and weaknesses. You can try out different options and see what will work for your website (you can change your mind later too, but know that some site contents might break when you change themes).
- **Remember the context and audience of this website, and choose a theme accordingly.**



Customize your Theme

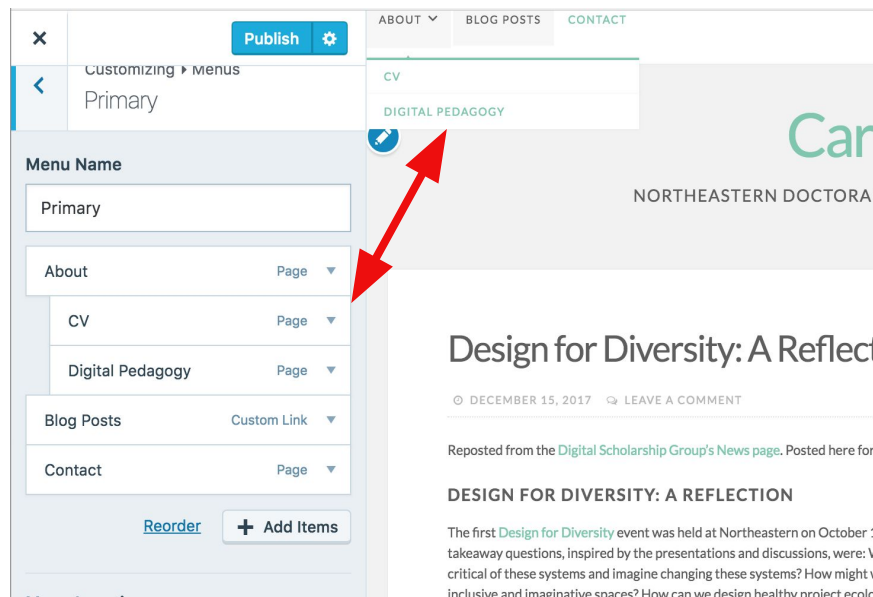


- The Customizer is where you will go to take your site's Theme to the next level.
- From this section, you can change your Site Title and Tagline, add Widgets to a Sidebar or Footer, create Menus, change your Homepage Settings, and more.
- In the left-hand column of your homepage/dashboard, scroll to **“Appearance”** and then click the **“Customize”**



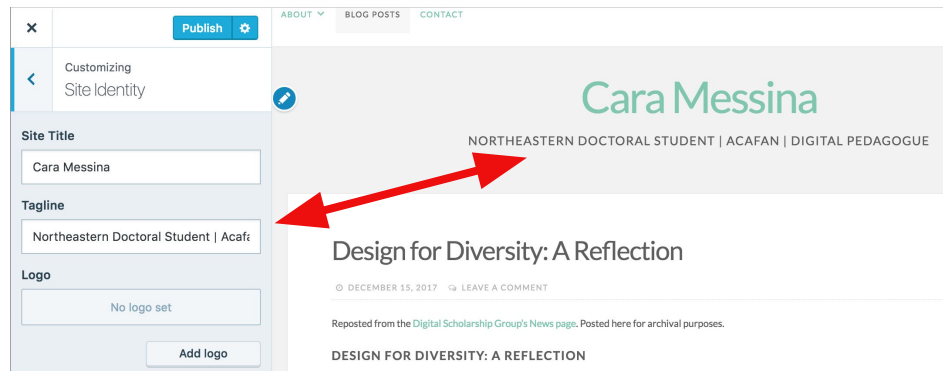
Customize Site Menu

- In the “Customize” page left-hand column, go to “Menus,” which will allow you to add pages, posts, and other content to the overhead menus
 - You can create dropdown menus/subpage/child page by sliding one page under another/parent page



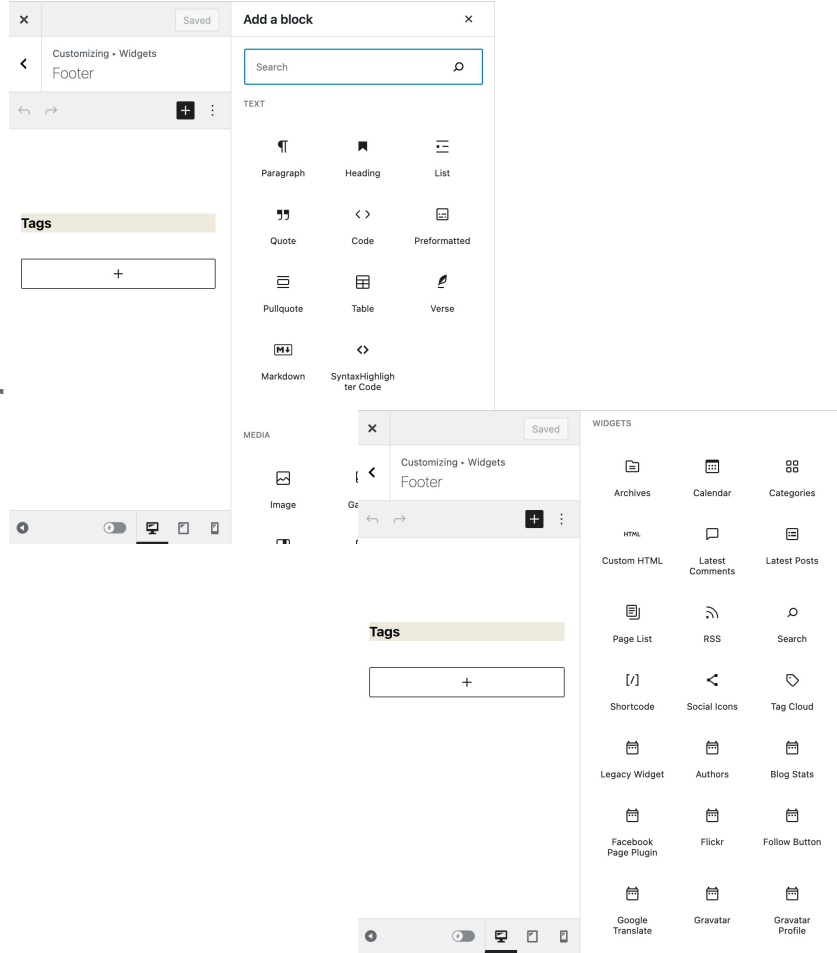
Customize Header

- Your website, like all websites, should have a clear identity. The **header** and **subheader** can help with this. The header is the phrase/name that appears at the top of each page (the subheader, if applicable in your theme, appears below)
- You can find the ways to change your header in “**Site Identity**” under the “**Customize**” menu.



Add & Customize Widgets

- **Widgets** are small applications and components that appear in different places on your WordPress site
 - For example, a “Footer” widget will appear at the bottom of your website across the different pages. The widgets you put in “Sidebar” will appear in the sidebar.
- You can add any block to your site’s widget areas or use the classic Widget options.
- Add widgets by clicking the button under **“Appearance” on the homepage** or on the **“Customize” page**.



Website Content: Pages vs. Posts

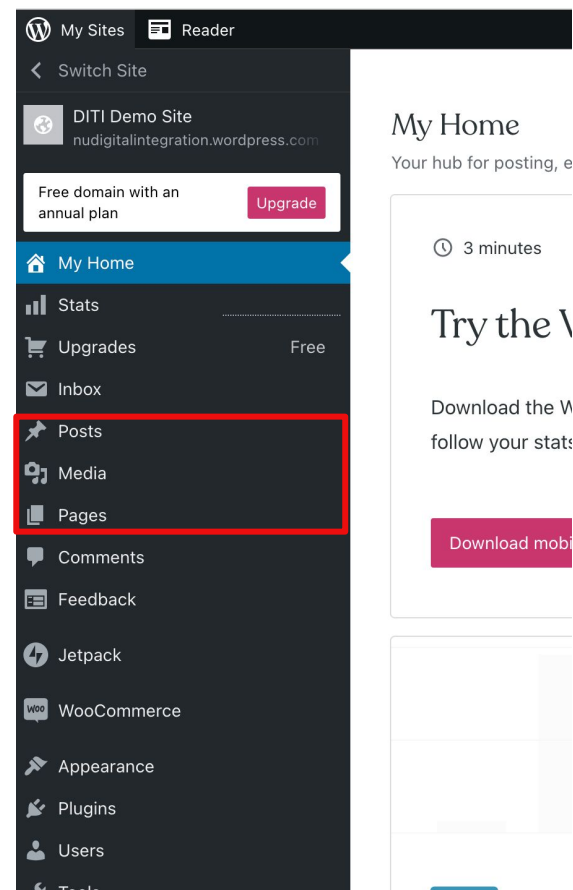
Pages are the static infrastructure of your website, and they appear across your header menu. Pages are content with a fixed location on the site.

Posts are blog or news posts that show up as you publish them, usually in a feed that appears on a page.



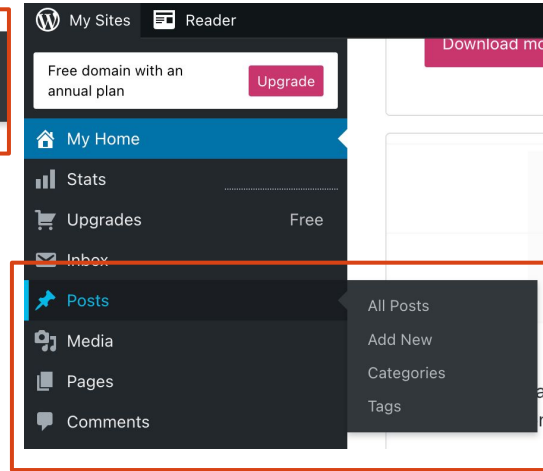
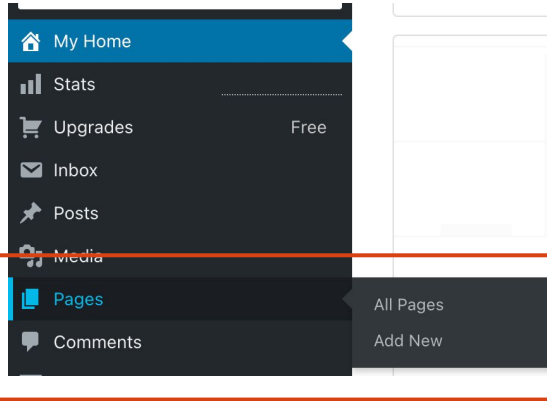
Manage Pages and Posts

- Go to the left-hand column of your homepage/dashboard.
- Then either click the “**Pages**” button or “**Posts**” button. You will navigate through your pages and posts using this side menu.



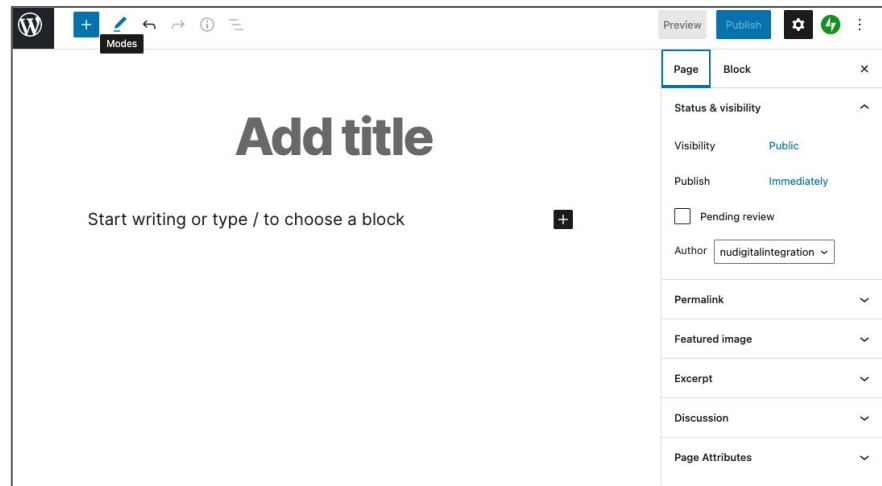
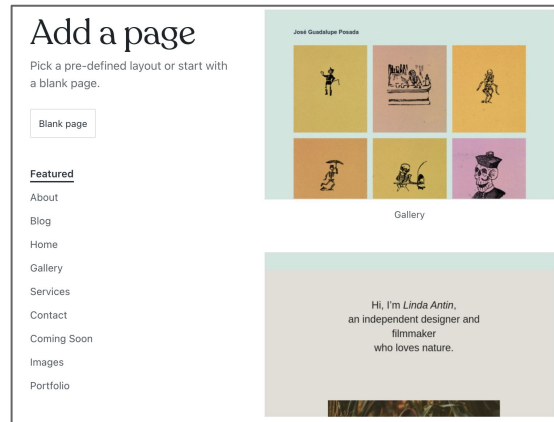
Create a New Page (or Post)

To create a new page, go to “**Pages**” in the left-hand column and click the “**Add New Page**” button. The same works for **Posts**.



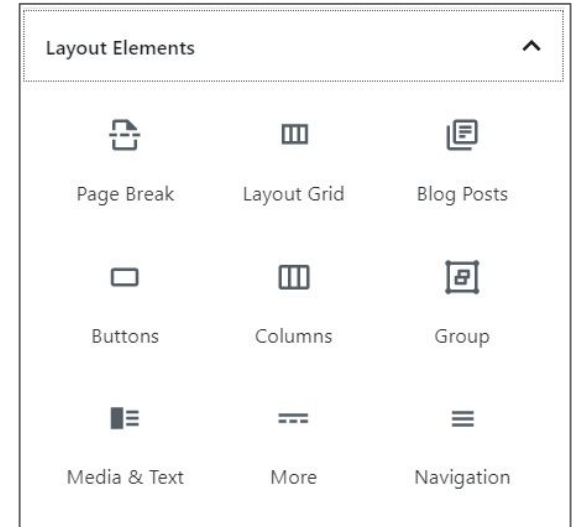
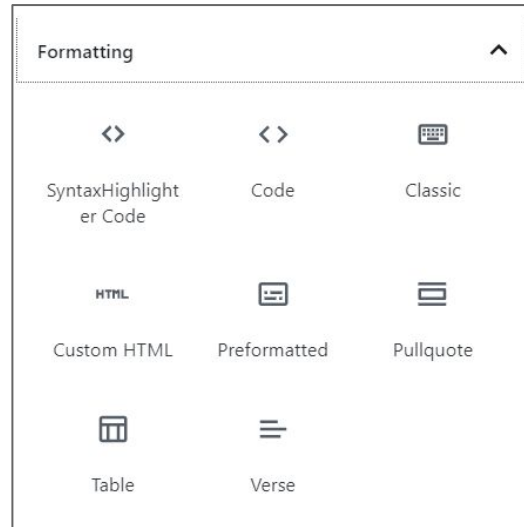
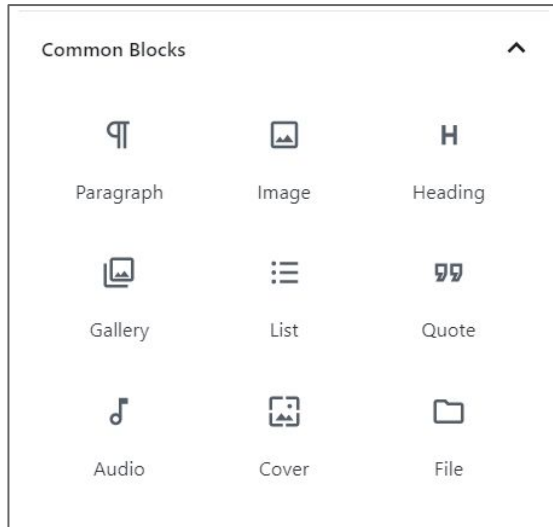
Visual Editor (Pages and Posts)

- Creating a new page will open up the visual editor.
- You can pick a predefined layout or start with a blank page.
- This is where you fill in your content!
- You have options to style your content (font size, styles, colors, add images, add links, bullet points, etc).
- You can also use HTML, if you know that. Note that some themes have back-end HTML/CSS that may not allow you to make certain changes.



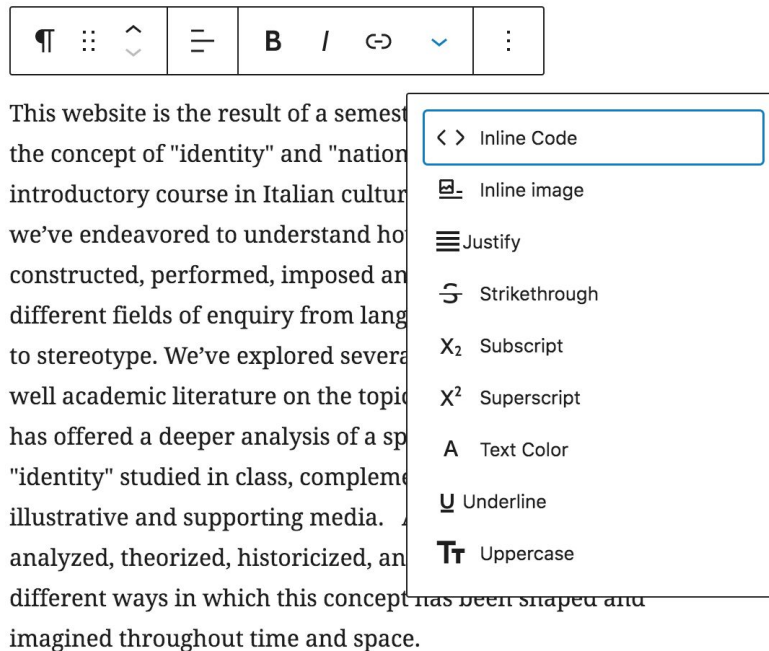
About WordPress Blocks

WordPress pages are organized into pre-formatted sections called “**blocks**.” Blocks allow you to manipulate the layout of the page. These include:



Add text

The default type of block is a **paragraph**. When you add a new paragraph, you will be taken to the editor interface, which allows you to add and edit text in a variety of ways. It looks similar to a word processor, complete with a **menu bar** allowing you to italicize, bold, or otherwise format the text.



The screenshot displays a rich text editor. At the top is a menu bar with icons for paragraph alignment (left, center, right, justified), text alignment (left, center, right, justified), bold (B), italic (I), link (chain), and a dropdown arrow. Below the menu bar, a dropdown menu is open, listing various formatting options: 'Inline Code' (highlighted with a blue border), 'Inline image' (image icon), 'Justify' (justify icon), 'Strikethrough' (strikethrough icon), 'Subscript' (X₂ icon), 'Superscript' (X² icon), 'Text Color' (A icon), 'Underline' (U icon), and 'Uppercase' (Tt icon). The background text of the editor is partially visible, discussing a website and the concept of "identity" and "nation".

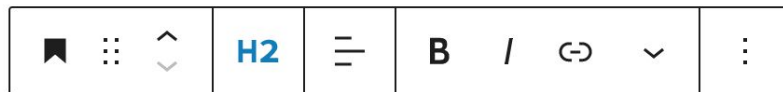
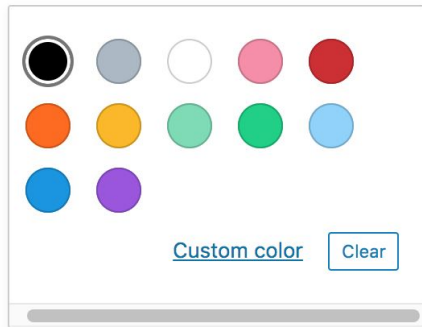


Format

Here are some examples of things that you can format with your blocks. This includes choosing different levels of headings and changing the color of your text. The formatting options available will depend on the type of block you are working on.



Here you can add some text in a **paragraph**.



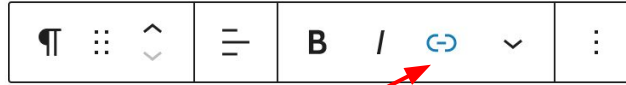
Heading



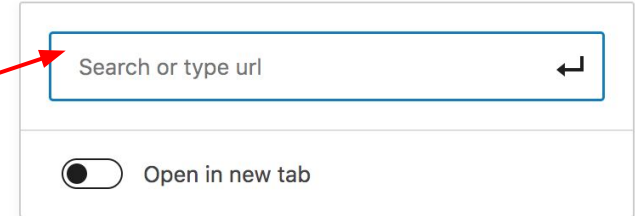
Add Links

If you are interested in adding **links** to your page, you can easily do that by:

1. Selecting the text you wish to add a link to.
2. Click the “**Insert link**” button in the menu.
3. Adding the URL in the link window.



Here you can add some text in a **paragraph**. You can also add links.

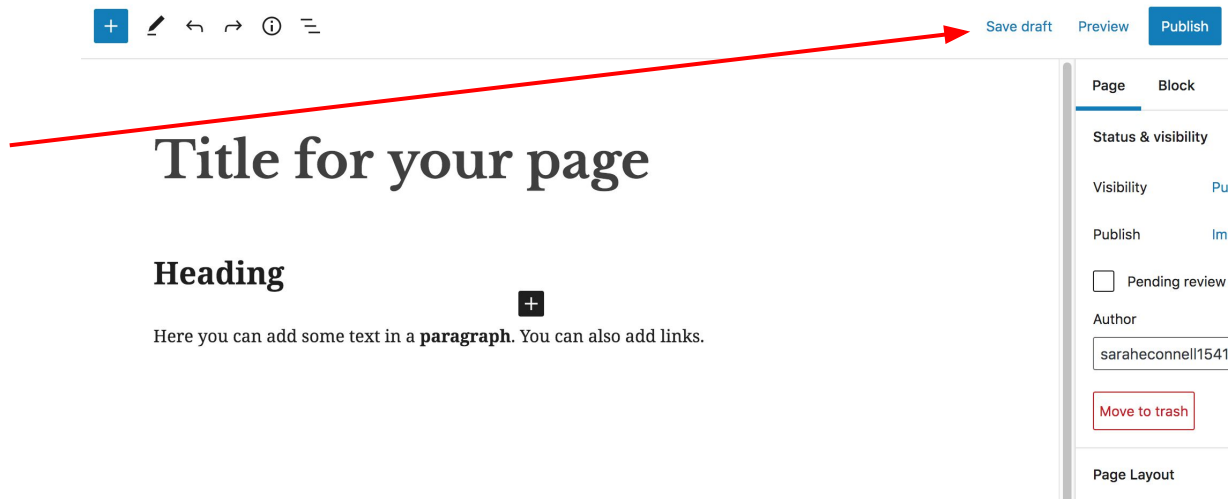
A screenshot of the 'Insert link' dialog box. It features a text input field with the placeholder text 'Search or type url' and a search icon (magnifying glass) on the right. Below the input field is a checkbox labeled 'Open in new tab', which is currently checked. A red arrow points from the third step of the list to this input field.

Save Draft

When you are working, it is very important to save your changes, especially when there are multiple people working on something at once.

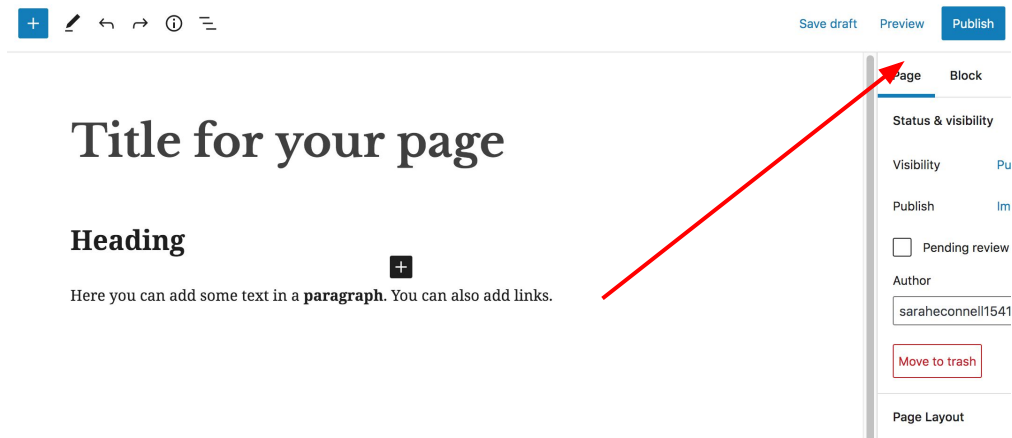
To save your draft, simply click the “**Save Draft**” button on the right-hand side of the screen.

Saving your page as a draft does not mean that it is visible on the website. Only publishing the page will make it available online.



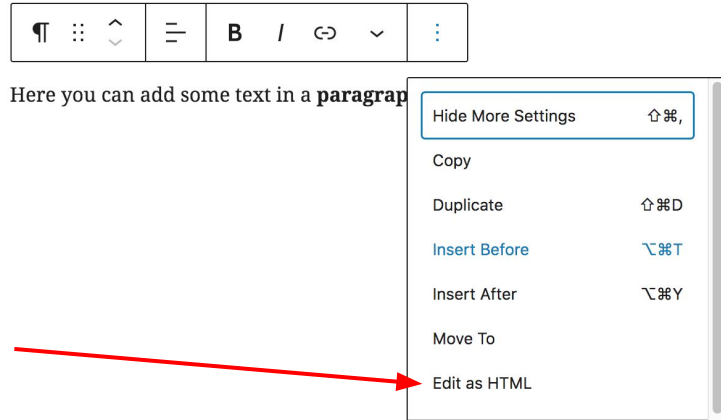
Preview and publish

As you are editing your page, it is useful to see how your changes will look on the website itself. You can preview any changes you make with the “**Preview**” button on the right-hand side. This will open a new tab in your web browser, showing the page. When you are ready to publish, hit the “**Publish**” button.



HTML Editor

When you are editing blocks, you can toggle between the **Visual** and **HTML** editors with the "View HTML" button under the three dots for "more options". The HTML editor is the "back end" version of the website. To switch back, go to the same menu and pick "edit visually."



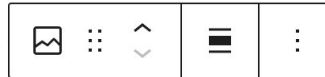
Here is the same paragraph in HTML:

```
<p>Here you can add some text in a <strong>paragraph</strong>. You can also  
add <a href="https://en.wikipedia.org/wiki/URL">links</a>.</p>
```



Add Images

If you want to add images in your document, you can do so by adding a new block of the type "**Image.**" Then, you can either upload a new image or select one from the library of media files already uploaded to the site. Once you have added images, you can then edit and format them.



in a **paragraph**. You can also add links.

Image

Upload an image file, pick one from your media library, or add one with a URL.

Upload

Select Image

Insert from URL



WordPress Demonstration



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Activity #3: Your Turn to Explore WordPress



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Activity: Build a Website!

- Login and create a profile for yourself on <https://wordpress.com/>
- Experiment with picking a theme, adding widgets, adding pages/posts, text formatting, adding and moving blocks around, and uploading images.
- Share screen and your work



Thank you!

If you have any questions, contact DITI at nulab.info@gmail.com

Sign up for DITI office hours! <https://calendly.com/diti-nu>

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A special thanks to Professor Julia Flanders for the wireframe examples used in this presentation.

Slides and handouts available on Github: <https://bit.ly/diti-spring22-kemp-wordpress>



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