MMP350 Class Notes Week 5

Class Outline

- Discussion about color
- Presentation(s)
- Discussion about requirements gathering
- Review of requirements for Assignments One and Two
- Installing MAMP and WAMP
- Installing WordPress
- Setting up Cloud9

Color

Review of color_bm.pdf presentation
Begin by watching two clips from the movie *Hero*:

https://www.youtube.com/watch?v=iNgDtwHreZM
https://www.youtube.com/watch?v=YetxvEnpKh8

Review of Color Example

Prior to class you will have received the document `color_example.html`, illustrated below.

```html
<html>
<head>
    <meta charset="utf-8">
    <title>Color Example</title>
    <link href="style_cascading.css" rel="stylesheet">
</head>
<style>
    .black{background-color:#000000;}
    .grey1{background-color:#333;}
    .grey2{background-color:#999;}
    .grey3{background-color:#CCC;}
    .white{background-color:#ffffff;}
    .white-text{color:white;}
    .red{background-color:#ff0000;}
    .green{background-color:#00ff00;}
    .blue{background-color:#0000ff;}
    div{height:64px;width:128px;padding-top:26px;text-align:center;}
    body{width:64px;margin:20px auto;font-family:sans-serif;}
</style>
<body>
    <div id="main">
        <h1>Color</h1>
        <section>
            <div class="black white-text">Black #000000</div>
            <div class="grey1 white-text">Grey #333</div>
            <div class="grey2">Grey #999</div>
            <div class="grey3">Grey #ccc</div>
            <div class="white">White #ffffff</div>
            <div class="red">Red #ff0000</div>
            <div class="green">Green #00ff00</div>
            <div class="blue white-text">Blue #0000ff</div>
        </section>
        <footer></footer>
    </div>
</body>
</html>
```

Figure: contents of color_example.html

Requirement Gathering Discussion

This discussion is based on the presentation "Agile versus Waterfall.pdf" and is based on class readings from weeks 3 and 4.

Review of Requirements Assignment One

- A one or two sentence project description. (8 marks)
- • A features table that compares your project idea with at least two similar web pages and /or an annotated list of features (8 marks).

Review of Requirements Assignment Two

Assignment Two

- A design template for two interfaces. This template can use a drawing tool like Photoshop or Indesign, a prototyping site like moqups.com. (4 marks per template). If you are using a responsive design then I want you to mock up two separate pages, for example a home page and a blog page.
- Color palette (4 marks)
- Sample content (4 marks)

We have reviewed the mockup process with the *document Example of features tables and mockups.pdf*

Here is an example of a color palette, and an illustration of how the palette may look when implemented.

Color Palette For My Project

Color	Use	Hex	RGB
	Borders	#ffb8ab	255,184,171
	Buttons	#ffddcf	255,221,207
	Footer	#ffefdb	255,239,219
	Header	#fdfff4	253,255,244

Example

Header

This is some text

Click Me!

And here is some additional text

Footer

Installing MAMP and WAMP on Localhost

Windows Setup

Download WAMP from SourceForge at

https://sourceforge.net/projects/wampserver

MMP350 – Week 5 class notes October 2017 – Color, WAMP, MAMP and Cloud9 Setup   3

Once downloaded, double-click the self-extracting archive file wampserver….exe in your Downloads folder:
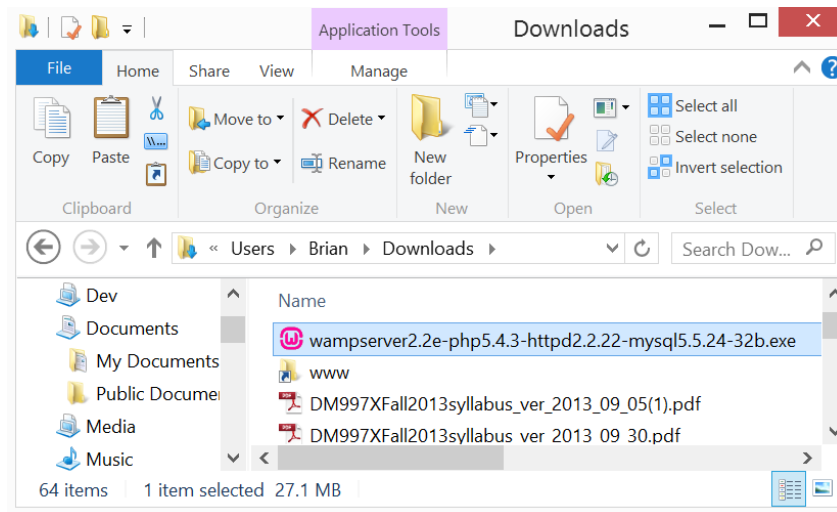
Follow the Wizard

Figure: Step 1
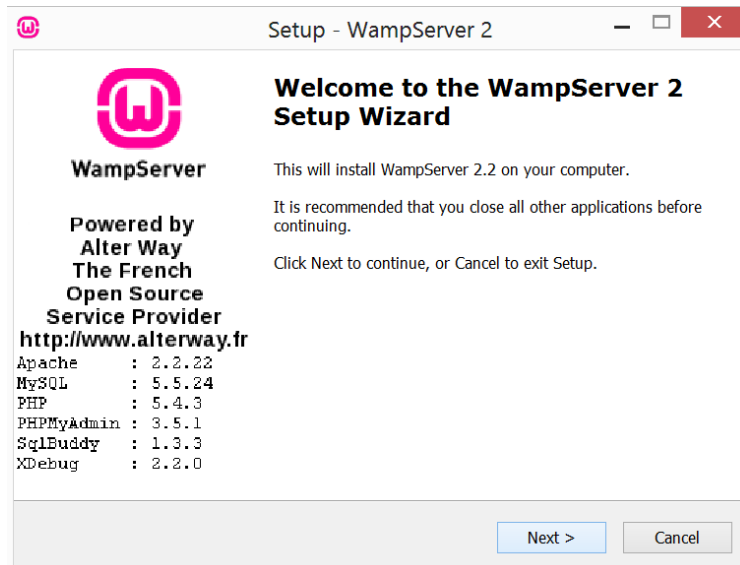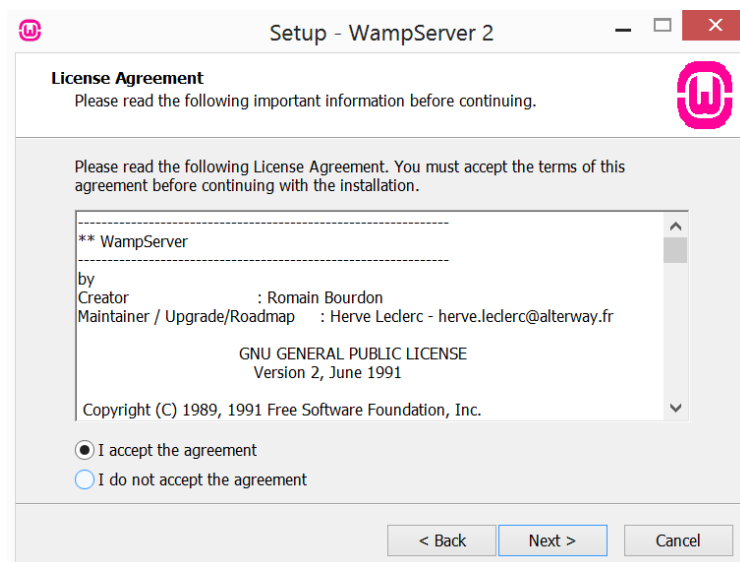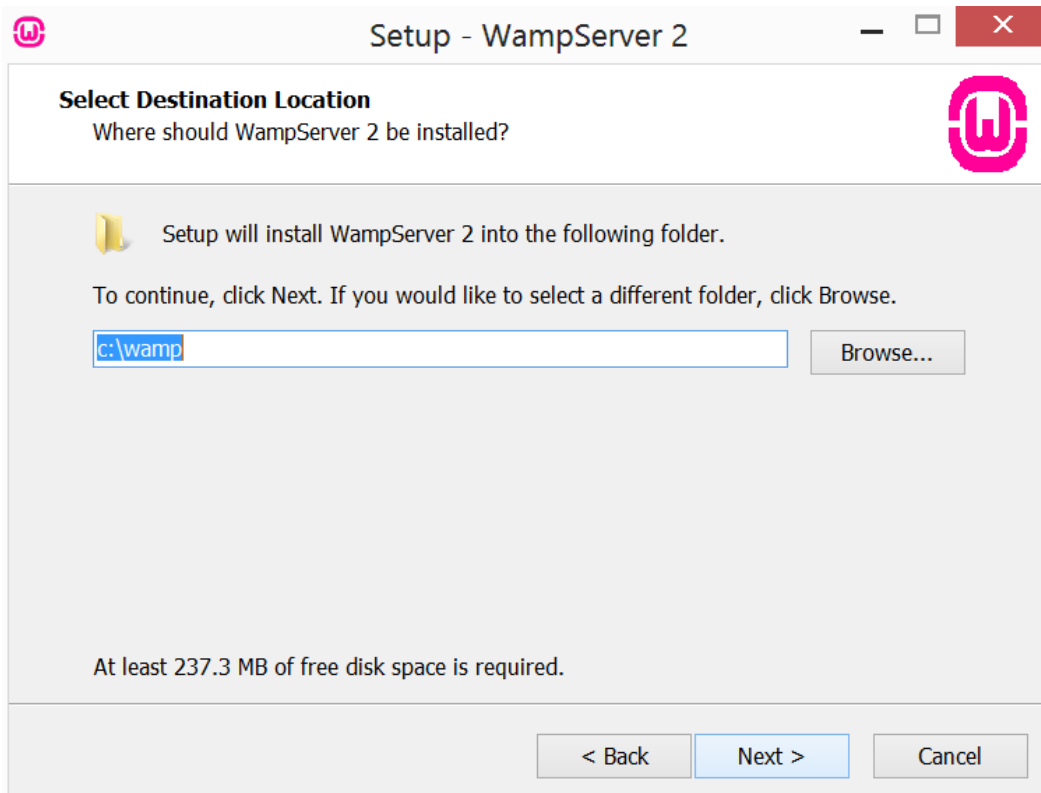
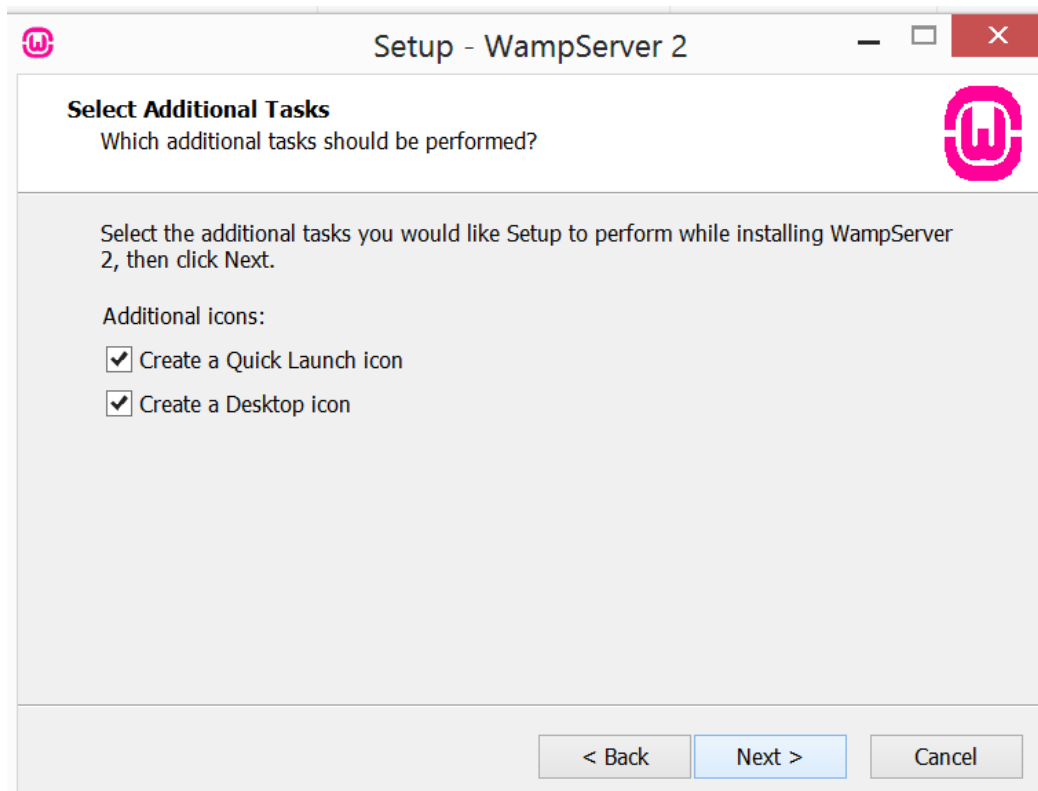

Figure: Step 2
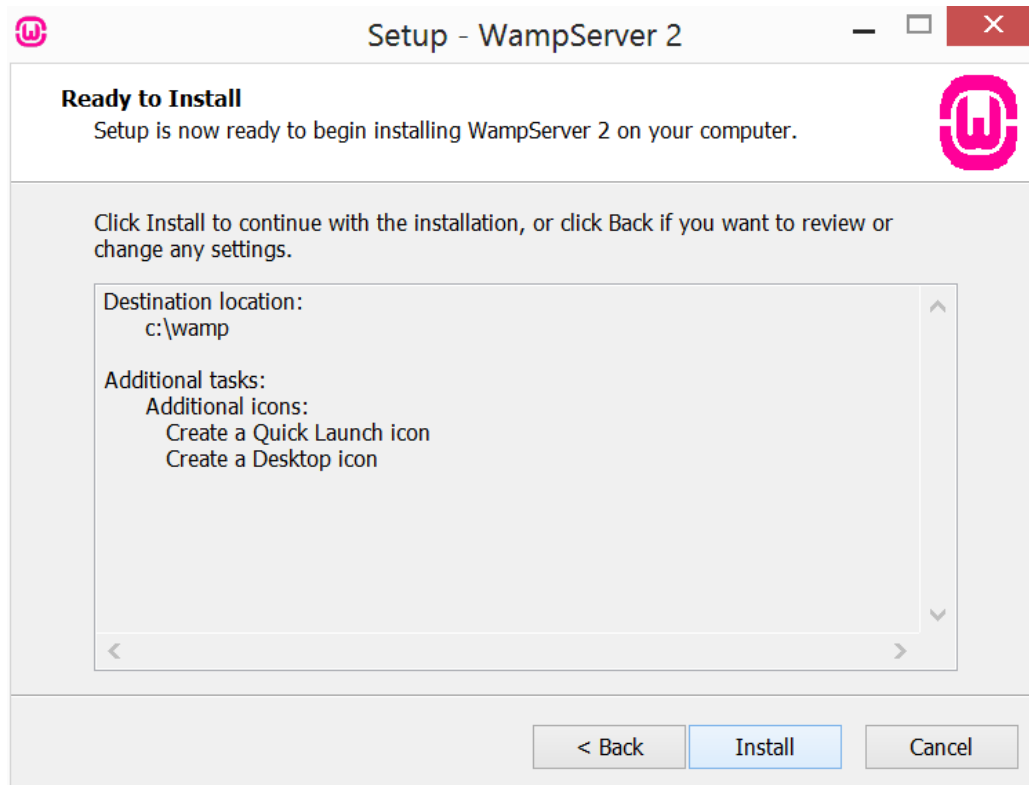
Figure: Step 4

Figure: Step 5

Figure: Step 6

Warning

Note that on some Windows installations you need to install Microsoft visual
Contact me at brianmacmillanteacher@gmail.com if you get this message, or try to
figure it out through Google – basically you need to go to Microsoft.com and
download the appropriate visual C library for your machine (32 / 64 bit) and
operating system (Windows 7 or Windows 10).
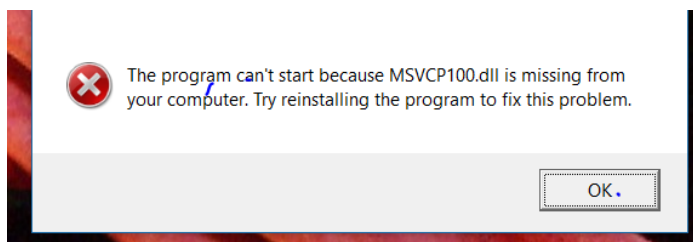
Mac Setup

Download MAMP from https://www.mamp.info/en . I have never had reason to use
MAMP PRO, but feel free to do so if you have reason to. MAMP is slightly simpler.
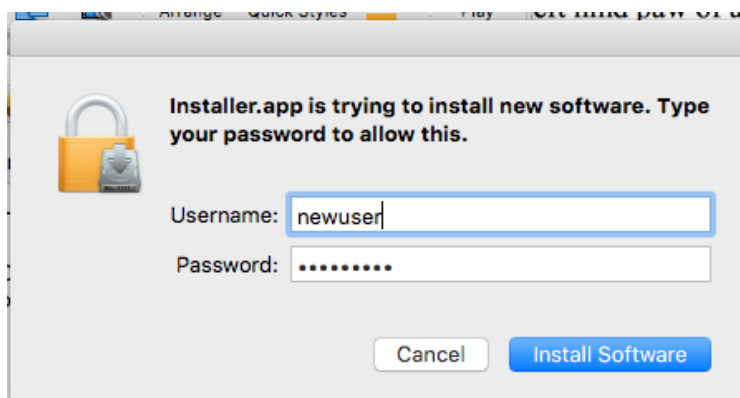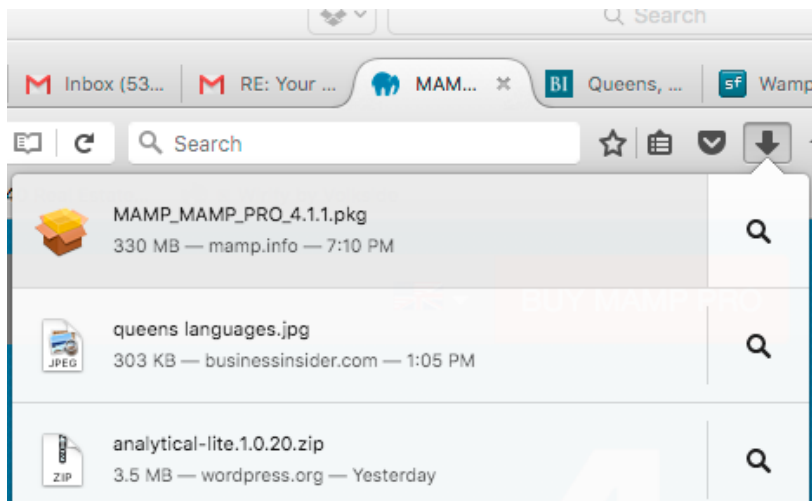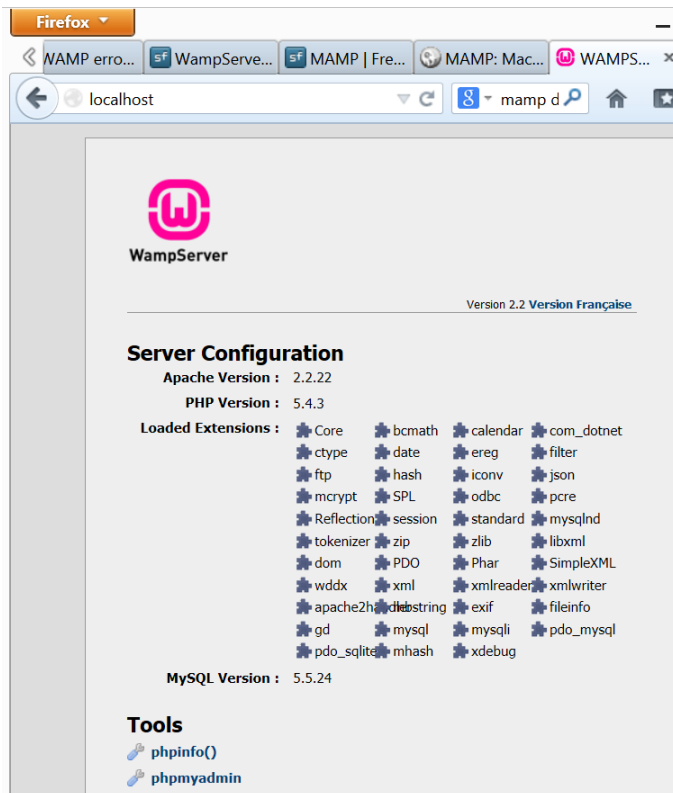
Figure: Login in to give yourself permission to install the new software

Launch the server control panel by typing localhost in your browser location bar.

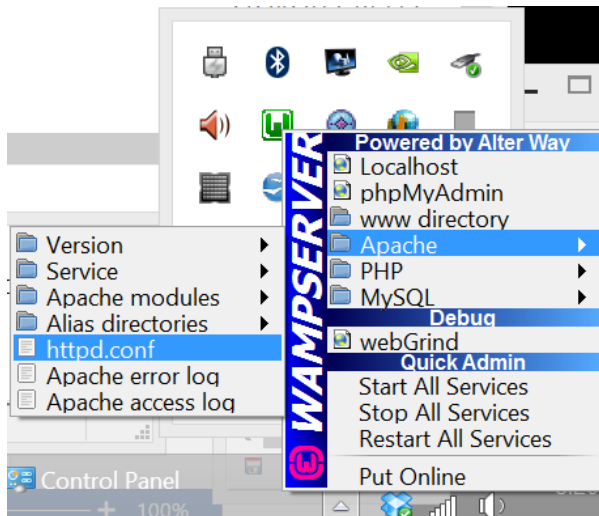Note that if you had to change the default port you must include that also (for example localhost:8080)

MAMP and WAMP Installation Issues

Ports

By default Apache listens for http requests on port 80 and mysql listens for database requests on port 3036. These are standard ports, often used by other applications. If you want to run another webserver, or Skype, on your local machine you will need to change the ports used by MAMP or WAMP. This is done by editing the httpd.conf file.

Select Apache / httpd.conf from the WAMPSERVER control panel to edit the httpd.conf file.
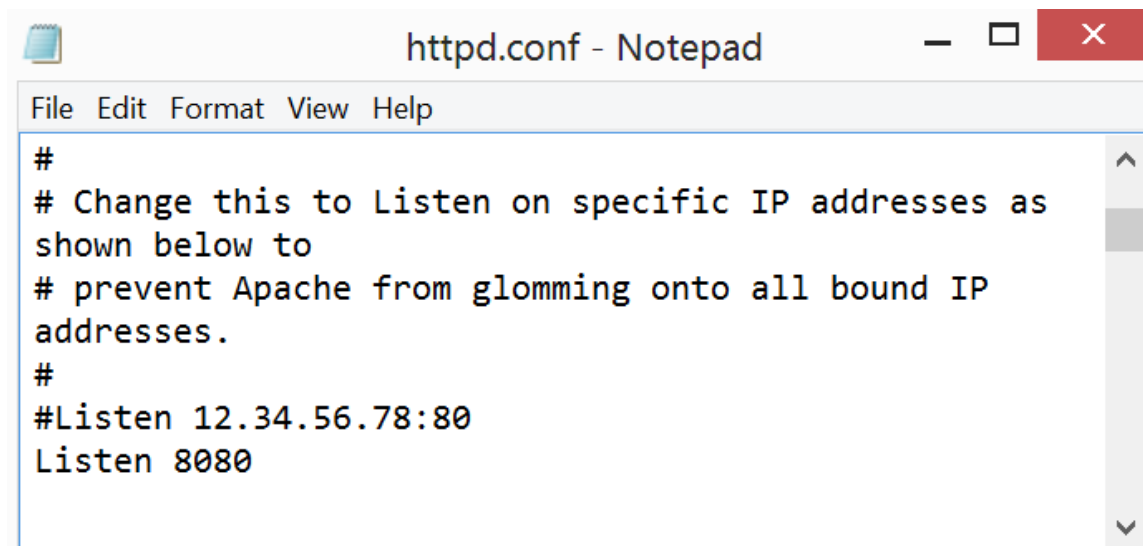
Changing Ports in the httpd.conf file

#
Change this to Listen on specific IP addresses as shown below to
prevent Apache from glomming onto all bound IP addresses.
#
#Listen 12.34.56.78:80
Listen 8080

Figure: Changing the default http port from 80 to 8080

Restrictive Permissions

By default permissions are restrictive. If you cannot access the dashboard page by typing localhost (or localhost:nn If you are using a non-default port) you may need to alter your server configuration file.
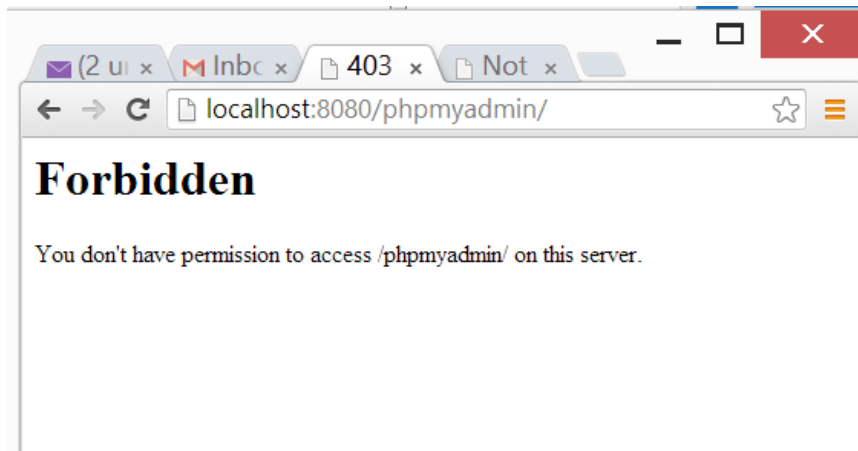
Changing permissions

```
<Directory "c:/wamp/apps/phpmyadmin3.4.5/">
    Options Indexes FollowSymLinks MultiViews
    AllowOverride all
        Order Deny,Allow
        Allow from all
</Directory>
```

Changing permissions II


```
#
# AccessFileName: The name of the file to look for in each directory
# for additional configuration directives.  See also the AllowOverride
# directive.
#
AccessFileName .htaccess

#
# The following lines prevent .htaccess and .htpasswd files from being
# viewed by Web clients.
#
<FilesMatch "^\.ht">
    Order allow,deny
    Deny from all
    Satisfy All
</FilesMatch>

<Files ~ "^\.DS_Store">
    Order allow,deny
    #Deny from all
    Allow from all
</Files>

#
# ErrorLog: The location of the error log file.
# If you do not specify an ErrorLog directive within a <VirtualHost>
# container, error messages relating to that virtual host will be
# logged here.  If you *do* define an error logfile for a <VirtualHost>
```
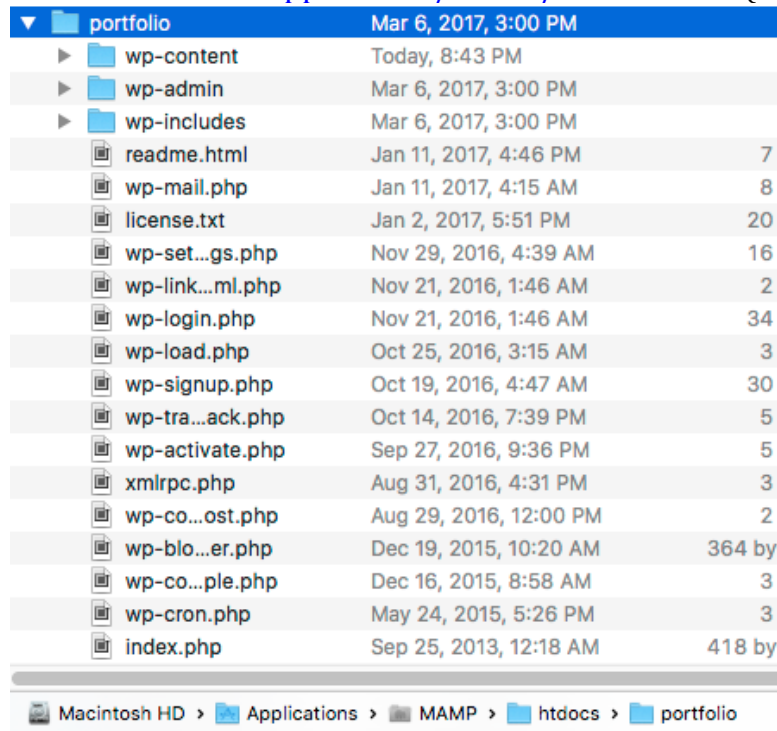
Installing WordPress

Installing Wordpress on MAMP and WAMP is very similar to what you did with CPANEL on the BMCC server. Download WordPress, unzip it in to a folder called portfolio and place it in the document root folder of your server. On the BMCC CPANEL installation (and unix in general) this was the public_html folder. For MAMP this will be Applications/MAMP/htdocs folder (see below):

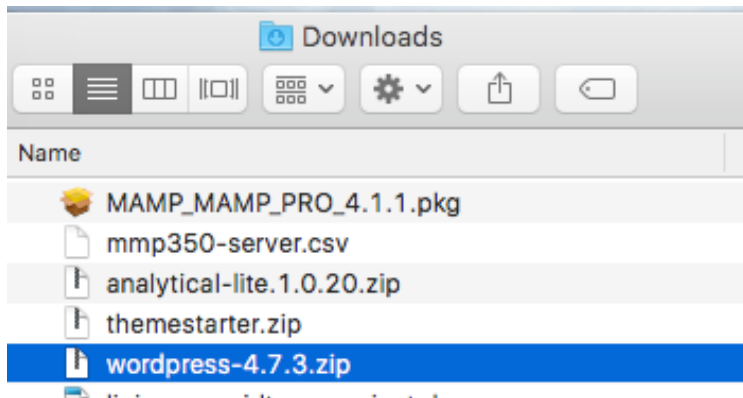Figure: In this example WordPress is installed in the **Applications/MAMP/htdocs/portfolio folder.**

For Windows the default folder will be the C:\MAMP\www folder

is exactly like installing WordPress for Windows.

Launching WordPress

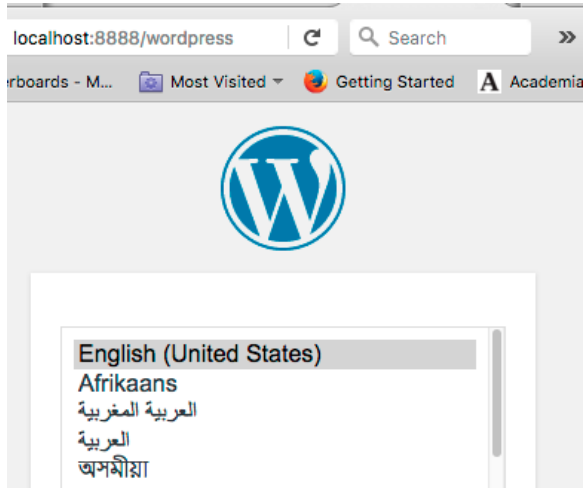Once you have copied your WordPress files to the correct folder and launched your MAMP / WAMP server you can access it via the following URL

localhost/portfolio

If you needed to change your http server port (Apache) then use that port, for example:

localhost:8888/portfolio

This example assumes that you copied WordPress to a folder in the server document root called portfolio. If successful you will see the following screens:

Welcome to WordPress. Before getting started, we need some information on the database. You will need to know the following items before proceeding.

1. Database name
2. Database username
3. Database password
4. Database host
5. Table prefix (if you want to run more than one WordPress in a single database)

We're going to use this information to create a `wp-config.php` file. **If for any reason this automatic file creation doesn't work, don't worry. All this does is fill in the database information to a configuration file. You may also simply open `wp-config-sample.php` in a text editor, fill in your information, and save it as `wp-config.php`.** Need more help? We got it.

In all likelihood, these items were supplied to you by your Web Host. If you don't have this information, then you will need to contact them before you can continue. If you're all ready…

Let's go!

Below you should enter your database connection details. If you're not sure about these, contact your host.

Database Name

portfolio

The name of the database you want to use with WordPress.

Username

bmacmill_wp

Your database username.

Password

••••••

Your database password.

Database Host

localhost:8888

You should be able to get this info from your web host, if localhost doesn't work.

Table Prefix

wp_

If you want to run multiple WordPress installations in a single database, change this.

Submit

Cloud 9 Setup

https://portfolio-brmacmillan.c9users.io/wp-admin/

support@c9.io via amazonses.com   Mar 27 (1 day ago) ☆
to me ▾

Welcome!

You've been invited to develop software with wpmmp350 on Cloud9. Click the following link to accept the invitation: https://c9.io/team/invite/9cLRxHbgC3FOrpn4eqeq

Happy coding!

Cloud9 is a full-featured IDE in the cloud, combining a powerful online code editor with a full Ubuntu workspace.

Welcome to Cloud9 Teams!

You have been invited to join team wpmmp350

Sign in or create an account to join the team.

Sign in   **Create new account**

You will automatically be added to the team once you have logged in to an account.

Confirm your details

Email

brmacmillan@gmail.com   Edit

Name

bmacmill   Edit

Username

brmacmillan   Edit
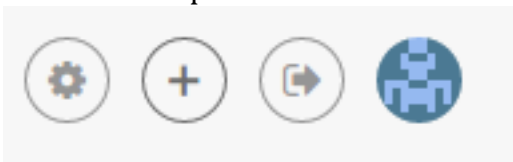
Developer Type

A student developer *doing* learning projects   Edit

Next >

Create Workspace

Create a new workspace

Workspace name

portfolio

Description

Essays on Current Culture

Team

MMP350

Hosted workspace   Clone workspace   Remote SSH workspace   Salesforce

Private
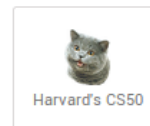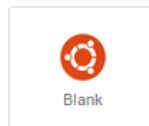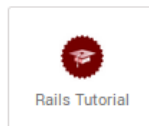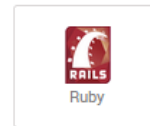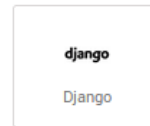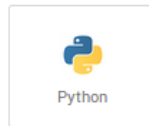This is a workspace for your eyes only

Public
This will create a workspace for everybody to see

Clone from Git or Mercurial URL (optional)

e.g. ajaxorg/ace or git@github.com:ajaxorg/ace.git

Choose a template

HTML5   Node.js   PHP, Apache &...   Python   Django   Ruby

C++   Wordpress   Rails Tutorial   Blank   Harvard's CS50

Create workspace

bash - "brmacmil ×   Immediate   ×   WordPress - Stop ×   ⊕

▶ Run   ↻   WordPress   Command:

Starting Apache httpd, serving https://portfolio-brmacmillan.c9users.io/.
Started apache2

WordPress Setup
https://wordpress.org/download/

Download WordPress 4.8.2

.zip — 8.5 MB

Download .tar.gz — 7.8 MB
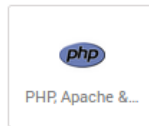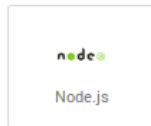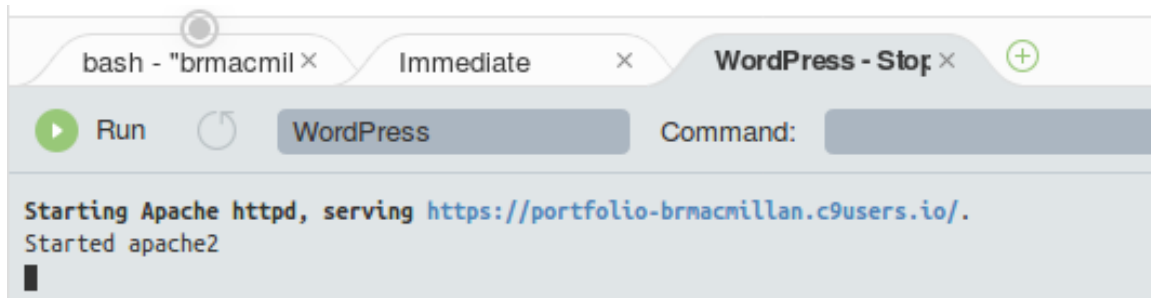
Figure: download the latest version of WordPress

Figure: The downloaded zip file.
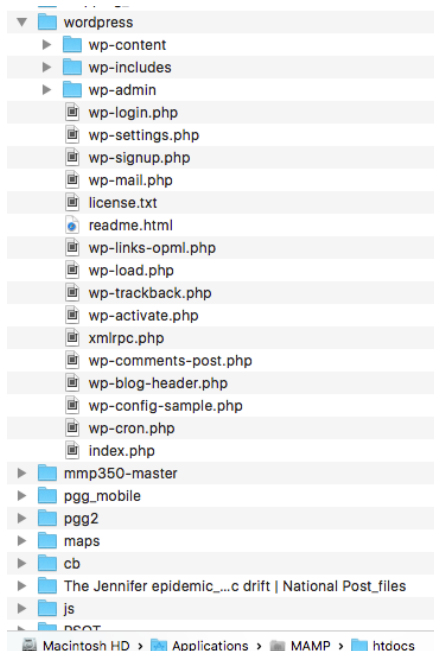
Figure: extract files from the zip file and move to your web folder. On the Mac the folder is Applications/MAMP/htdocs. On Windows its C:\www

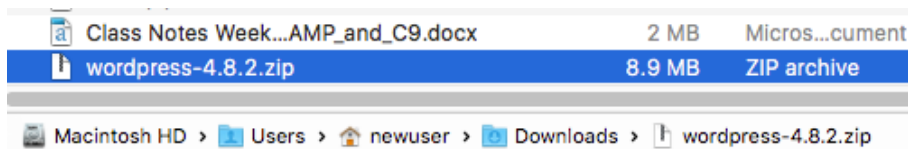
Figure: Start your webserver

Activate WordPress by going to localhost:8888/wordpress on the Mac or localhost/wordpress on Windows. Note that the folder name can be changed, so you may choose to rename the wordpress folder to portfolio, for example. Also note that the port number is configurable. By default the http port for local host is 80 but it is changed to 8888 on MAMP.

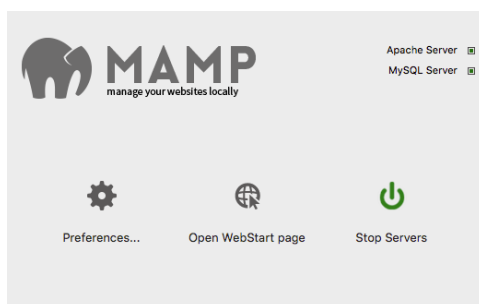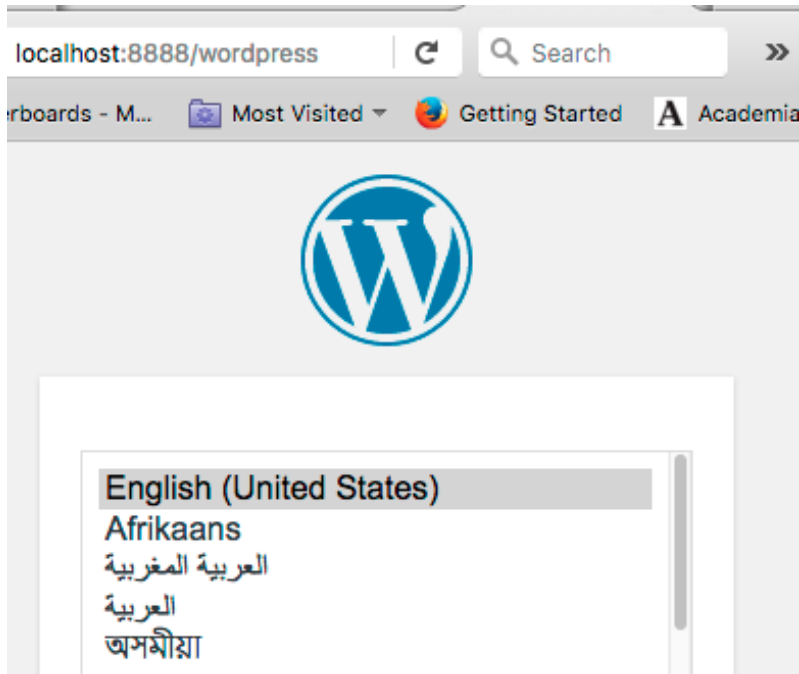Welcome to WordPress. Before getting started, we need some information on the database. You will need to know the following items before proceeding.

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portfolio

The name of the database you want to use with WordPress.

Username

bmacmill_wp

Your database username.

Password

••••••

Your database password.

Database Host

localhost:8888

You should be able to get this info from your web host, if `localhost` doesn't work.

Table Prefix

wp_

If you want to run multiple WordPress installations in a single database, change this.

Submit

The WordPress Dashboard

Now we're going to review some basics of the WordPress Dashboard.

support@c9.io via amazonses.com   Mar 27 (1 day ago) ☆
to me ▾

Welcome!

You've been invited to develop software with wpmmp350 on Cloud9. Click the following link to accept the invitation: https://c9.io/team/invite/9cLR
xHbgC3FOrpn4eqeq

Happy coding!

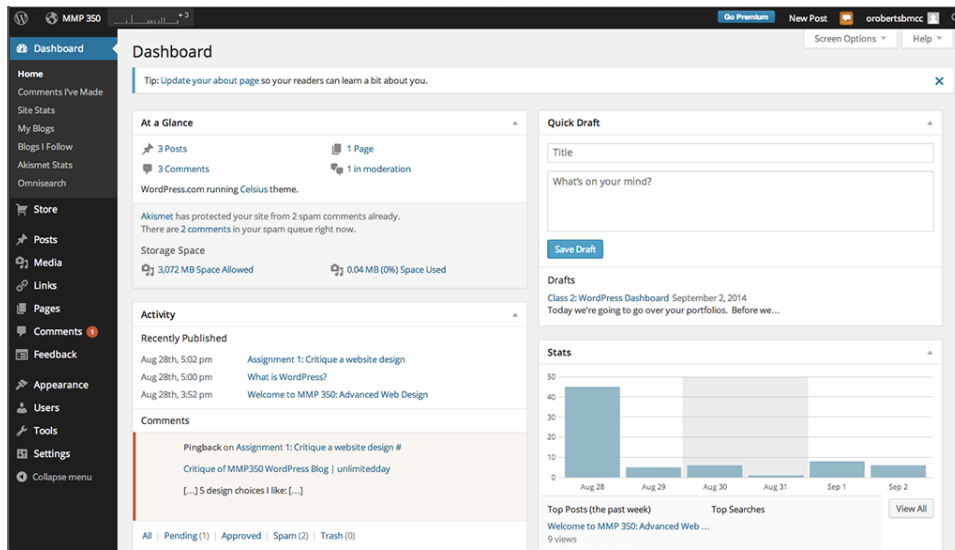Cloud9 is a full-featured IDE in the cloud, combining a powerful online code editor with a full Ubuntu workspace.

Figure: The WordPress Dashboard