How to Install a "Sandbox" Moodle on Your Mac Computer

Rick Jerz
The University of Iowa

www.rjerz.com
Rick-m@rjerz.com

2

Objectives

- **Overview**
- **Install Moodle on Mac with MAMP**
  - **Install Moodle on PC with XAMPP**
- **Examples of what you can do**
  - **Some moodle settings**
  - **Some php.ini settings**
  - **Some custom CSS**
    - Color top bar
  - **Add a plugin**
    - "Collapsed Topics"

4

Overview

- **A "sandbox" Moodle**
  - **Not for production!**
  - **For education and experimenting**

5

Can and Can't Do

- **Can**
  - **Experiment with many Moodle settings**
  - **Act as manager, teacher, student**
  - **Create courses and move to production**
  - **Create quizzes and move to production**
  - **Themes and CSS**
  - **Explore add-ins**

- **Can't**
  - **Email related items**
  - **Have others log in (from the Internet)**
  - **Cron is limited**

6

Many Ways to Install

- **Moodle.org installers**
  - **One-step, but often lack some feature**

- **Install manually!**
  - **XAMPP + Moodle, Windows PC**
  - **MAMP + Moodle, Macintosh computer**

7

Moodle Requirements

- **A moodledata folder**
- **A database**
- **The moodle application**

8

What do we have?

- **A working copy of Moodle**
- **A local "server" running**
- **Nothing in Moodle, yet!**

- **Review Steps:**
  - **Start MAMP Application**
  - **Start Apache and MySQL servers**
  - **Go to localhost:8888/moodle in your browser**

- **Make NOTES!!!!!**

10

Examples of Experimentation

- **Adjust some settings**
- **Edit settings in php.ini**
- **Add Custom CSS**
- **Install a plugin**

11

Moodle Settings

- **Turn off guest access**

- **Administration / Plugins/ Authentication / Manage authentication**
- **Guest login button = Hide**

12

php.ini Settings

- **Find and edit php.ini**
- **Add my favorites:**
  - **upload_max_filesize = 128M**
  - **post_max_size = 128M**
  - **memory_limit = 384M**
  - **max_input_time to 600**
  - **max_execution_time to 300**
  - **max_input_vars = 5000;**
- **Stop and restart the Apache server**

14

Custom CSS

- **Change color of upper bar**
  - **(Distinguish sandbox from production moodles)**

- **Administration/Appearance/Boost/Advanced Settings**
- **In Raw SCSS, add the following:**
  .bg-white
  {background-color: orange !important;}
- **Purge caches**

15

Moodle Plugins

- **Collapsed Topics**

- **Others that I use**
  - **Checklist**
  - **Configurable Reports**
  - **A few ATTO utilities**

16

Summary

- A "sandbox" moodle on your computer is great!
- Can't do this with other LMSs.

- I hang out in the **Moodle.org forums**, if you need me.

17

The End

- **For more support**, including this video, go to

www.rjerz.com

18

Future Topics

- **Reinstalling**
- **Installing more than one**
- **Setting up opcache**
- **Modifying the database config file**
- **Backup/restore of Moodle**
- **Migrating Moodle**
  - **Production to local, and vice versa**

19