

## Assignment 3

### Introduction

This assignment will introduce the concepts of CRUD operations (create, read, update, delete). We will be making a note taking app and persisting the data to database. The assignment is due Sunday, November 8, 2015 at 11:59pm Chicago time. You will need to make sure you have access to a computer hosting a web server capable of running PHP. A local development environment running XAMPP, WAMP, or MAMP as described and demonstrated in class is needed. Read this document completely and any graduate students must complete the additional graduate student requirements listed within.

### Objective

To extend assignment 2 to use a database instead of serialized files for storage.

### Requirements

- Extend assignment 2 to use a database instead of serializing files
- Use SQLite as your database
- Use the PDO library to interact with your database.
- Rest of the requirements are the same as assignment 2.

### Graduate Additional Requirements

If you are involved in **any section of 562** you need to complete the additional requirements listed here.

- You must model the note data as a custom Class/Object.
- Confirmation pages are up to you if you want to use them.
- Implement a basic authentication for your app. Hard coded admin user. Do not need to have the user in a database table, but you can if you want. Just provide the username and password in your submission.
- Basic authentication means you have to be logged in to do anything or you are redirected to a login page.
- Namespace your classes using your userName as vendor and as3 as package ( \userName\as3 )
- Use some HTML/CSS to present the application nicely (bootstrap or other CSS framework is ok)

## README File

Produce a **PDF README** file in your project zip that describes some components of this assignment. The readme doesn't have to be long but should include a few things.

- Your Name
- Your Email
- The Class and Assignment Numbers
- The following sections
  - **Project Description** – Brief introduction describing the project in your own words.
  - **Development Environment** – Description of your development environment. Include things like computer OS, what you are using for your server stack, PHP version number, editors used, and any other details you think you should include about your environment
  - **Installation Instructions** – Include any instructions to us if we need them to install or configure your project.
  - **Insights and Results** – Include here things you learned, challenges or problems you faced, and any details about the results you received. If you couldn't get something working this would be the place to describe what you tried and what wouldn't work. Feel free to embed screenshots for working and non-working features.
  - **References** – Any resources you need to cite of that you might have used for assistance. Not an excuse to copy and paste but if you need to cite a source, do it here.

## Due Date / Late Policy

This assignment is due **Sunday November 8, 2015 11:59 PM Chicago Time**. Late assignments will receive a **10% per day deduction starting at 1 minute late**. We will discuss this in the following class so **no assignments will be accepted as of class (6:00pm) that night**. See syllabus for full late policy. **No Extensions**.

## Submission Guidelines

You must upload your submission, including source and all supporting files, as a zip archive to the blackboard assignment by the due date. The submission must be in the following format and structure. If you do not submit your assignment exactly as specified, you will receive a immediate 5% deduction.

### Submission Format Specification:

**YourUsername\_YourIdA#\_AS3.zip**

|-----src (folder)

|       |-----index.php

|       |-----All other documents and folders as required

|  
|-----**README.pdf** (*describes your submission per above*)