**Write Up**

Demo Site: <http://demoblog.netne.net/>

Existing Account: email – [**admin@myblog.com**](mailto:admin@myblog.com)| password – **password**

Note: While the github code uses the PHP password\_hash function, the demo blog uses SHA1 for password hashing because the webhost is using PHP 5.2.

**Site Structure**

src/

| index.php // Landing Page

+ config

| config.php // configuration file

| mysql\_connect.php // Add USER/PASS here

| db\_setup.php // Add USER/PASS here

| create\_table.php

+ helpers

| utils.php // utility helper functions

+ ckeditor // rich text editor for blog posts

+ view

+ common

| header.php // standard header

| footer.php // standard footer

| home.php // view posts

| login.php

| logout.php

| register.php

| categories.php // manage categories

| edit\_post.php

| delete\_post.php

| add\_post.php

+ static

+ img // images

+ css // css files

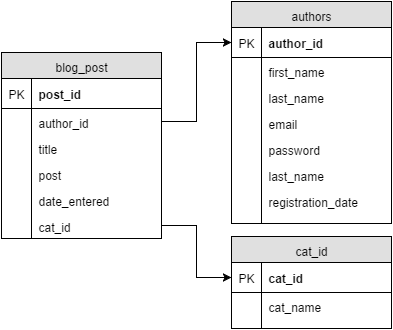
+ js // JavaScript files

+ dist // Bootstrap files

**For First Time Users**

1. Transfer all files to your root folder.
2. If you have full access to your SQL server, you can navigate to db\_setup.php which will help you set up the necessary database and tables.
3. Otherwise, create your own database then use SQL queries from create\_table.php to make the required tables for the blog.
4. Lastly, add your database, and SQL database log in details to the mysql\_connect.php file.
5. Your site should now be fully functional.

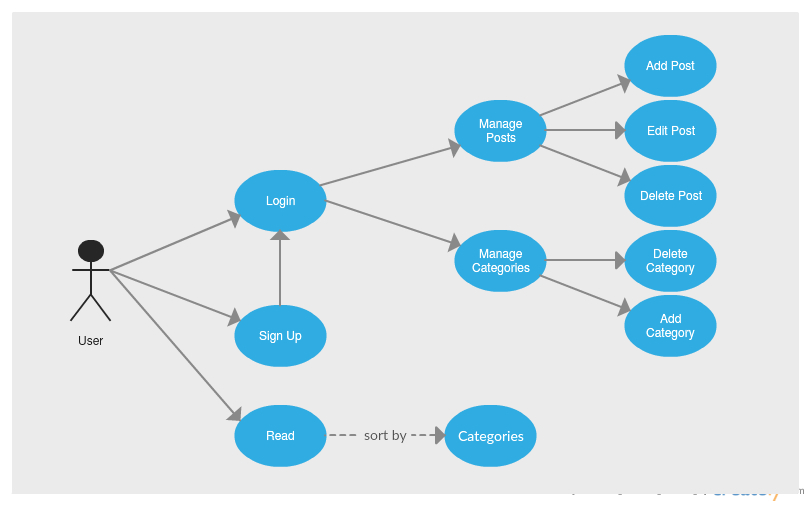
**Database Schema**

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­­­Three tables are used for this blog.

The *authors* table is used to store information about each user who signs up through the site. The *categories* table stores the categories created. The *blog\_post* table stores information about blog posts.

**Use Cases**

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Non logged-in users can read the blog via the home page, and choose which category of posts they want to read.

Anyone who visits the blog can sign up. After logging in, all users can manage posts and categories (there is no administrator account).

**Accomplishments**

For this assignment, most of my time was spent learning and using PHP code to get the backend of the site working. The design elements were mostly cobbled together using the Bootstrap framework, so I actually didn’t touch much CSS and I didn’t use any Javascript at all.

For the mid-assignment submission, I was mostly focused on getting the basic posting functionality up (adding, editing, deleting posts) and used a cookie for user authentication. I was able to get this done using only one MySQL table (blog\_posts). I actually spent most of the week studying and going through exercises from a book, and ended up only