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George P. Corser (<https://canvas.svsu.edu/courses/82346/users/1801>)

AUTHOR | TEACHER

Posted 17 Mar 10:53

Mar17

ChatGPT Login Screen Exercise

Reply

George P. Corser (<https://canvas.svsu.edu/courses/82346/users/1801>)

AUTHOR | TEACHER

17 Mar 10:53

Prompt #1

I want to create a web app in php and mysql called department status report (DSR). the system's main screen would be the issues list screen, which is a list of issues or tasks sorted by project name. but before gaining access to the issues list screen users would first see a login screen. the system must verify user id (which is the email address) and password (which is stored as MD5 hash of plaintext password and randomly generated salt). write the code for login.php, using the dsr_persons table below. After a successful login, the user should be redirected to issues_list.php. If unsuccessful, the user should remain at login.php and see an error message.

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**George P. Corser** (<https://canvas.svsu.edu/courses/82346/users/1801>)

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17 Mar 10:57



persons sql file (all files are in "final project" subdirectory in Files tab)

[iss_persons.sql \(https://canvas.svsu.edu/files/13909179/download?download_frd=1&verifier=VU5uKt6jQp0EA2IPJbo9bv7mrmolgUvsAKG43s0S\)](https://canvas.svsu.edu/files/13909179/download?download_frd=1&verifier=VU5uKt6jQp0EA2IPJbo9bv7mrmolgUvsAKG43s0S)

Reply | **George P. Corser** (<https://canvas.svsu.edu/courses/82346/users/1801>)

AUTHOR | TEACHER

17 Mar 11:38



database.php template file

```
<?php
/* -----
 * filename      : database.php
 * author        : George Corser, gcorser@gmail.com
 * description    : This class enables PHP to connect to MySQL using
 *                  PDO (PHP Data Objects). See: https://phpdelusions.net/pdo#why
 * important     : This file contains passwords!
 *               : Do not put real version of this file in public github repo!
 *               : Create sibling subdirectory and at top of all PHP files:
 *               : require '../database/database.php';
 * -----
 */

// The Database class enables PHP to connect-to/disconnect-from MySQL database
class Database {

    // declare and initialize variables for connect() function
    private static $dbName      = 'cis355' ;
    private static $dbHost      = 'localhost' ;
    private static $dbUsername  = 'student';
```

```
private static $dbUserPassword = 'learn';

// declare and initialize PDO instance variable: $connection
private static $connection = null;

// method: __construct()
public function __construct() {
    exit('No constructor required for class: Database');
}

// method: connect()
public static function connect() {
    if (null == self::$connection) {
        try {
            self::$connection = new PDO( "mysql:host=".self::$dbHost.";". "dbname=".self::$dbName, self::$dbUsername, self::$dbUserPassword);
        }
        catch(PDOException $e) { die($e->getMessage()); }
    }
    // echo "Connected."; exit(); // uncomment to test database connection
    return self::$connection;
}

// method: disconnect()
public static function disconnect() {
    self::$connection = null;
}

} // end class: Database
?>
```

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