

```

        {
            $xmlLocation = $searchNode->getElementsByTagName( "location" );
            // change $this->dog_data_xml to dog_data_xml
            $dog_data_xml = $xmlLocation->item(0)->nodeValue;
            break;
        }
    }
else
    {
        throw new Exception("Dog applications xml file missing or corrupt");
    }
$xmlfile = file_get_contents($dog_data_xml);
$xmlstring = simplexml::load_string($xmlfile);
if ($xmlstring === false) {
    $errorString = "Failed loading XML: ";
    foreach(libxml::get_errors() as $error) {
        $errorString .= $error->message . " " ; }
    throw new Exception($errorString); }
$json = json_encode($xmlstring);
// changed array name to $valid_useridpasswords
$valid_useridpasswords = json_decode($json,TRUE);
// ..... code to verify userid and password ....
$username = $_POST['username'];
$password = $_POST['password'];
foreach($valid_useridpasswords as $users)        {
    foreach($users as $user) {
        $hash = $user['password'];
        if((in_array($username, $user) && (password_verify($password,$hash))) {
            $_SESSION['username'] = $username;
            $_SESSION['password'] = $password;
            $login_string = date('mdYhis') . " | Login | " . $username . "\n";
            error_log($login_string,3,$user_log_file);
            header("Location: e7lab.php");
        } } } }
}
catch(Exception $e)
{
    echo $e->getMessage();
}
// code below executes if the user has not logged in or if it is an invalid login.
?>
<form method="post" action="">
Userid must contain eight or more characters.<br/>
Password must contain at least one number, one uppercase and lowercase letter, and at least
8 total characters.<br />
Username: <input type="text" pattern=".{8,}" title="Userid must contain eight or more
characters." name="username" id="username" required/><br />
Password: <input type="password" pattern="(?!.*\d)(?!.*[a-z])(?!.*[A-Z]).{8,}"
title="Password must contain at least one number, one uppercase and lowercase letter, and at
least 8 total characters."

```