

Change Password

The process to change a password will require verification of the current password and then saving the new password. It will also require updating the date contained in the `datestamp` tag from the XML file. The program code is very similar to the login program.

```

userid = $_POST['username'];
$password = $_POST['password'];
$newpassword = password_hash($password, PASSWORD_DEFAULT);
$password = $_POST['oldpassword'];
$datestamp = date('Y-m-d', strtotime('+30 days'));
$I = 0;
$passed = FALSE;
// First a few properties are set for the userid, new userid, and the new datestamp.
$hash = $user['password'];
if(password_verify($password,$hash))
{
$passed = TRUE;
    $valid_useridpasswords['user'][$I]['password'] = $newpassword;
    $valid_useridpasswords['user'][$I]['datestamp'] = $datestamp;
    $valid_useridpasswords['user'][$I]['attempts'] = 0;
    saveupfile($dog_data_xml,$valid_useridpasswords); // save changes before header call
    $login_string = date('mdYhis') . " | Password Changed | " . $userid . "\n";
    error_log($login_string,3,$user_log_file);
    header("Location: e7logina.php");
}
else
{
$valid_useridpasswords['user'][$I]['lastattempt'] = date('mdYhis'); // last attempted login
}

```

If the user ID and old password are authenticated correctly then the new password, datestamp, and attempts properties are changed and updated in the XML file. Also an entry is placed in the log file. If the password is not verified, an "invalid userid/password" message is displayed.

Example 7-5. The `changepassword.php` file

```

<?php
session_start();
$user_log_file = "user.log";
function saveupfile($dog_data_xml,$valid_useridpasswords)
{
$xmlstring = '<?xml version="1.0" encoding="UTF-8"?>';
    $xmlstring .= "\n<users>\n";
        foreach($valid_useridpasswords as $users)
        {
            foreach($users as $user)
            {
                $xmlstring .= "<user>\n<userid>" . $user['userid'] . "</userid>\n";
                $xmlstring .= "<password>" . $user['password'] . "</password>\n";
                $xmlstring .= "<datestamp>" . $user['datestamp'] . "</datestamp>\n";
                $xmlstring .= "<attempts>" . $user['attempts'] . "</attempts>\n";
            }
        }
    }
}

```