Web Fundamentals - Debug Project

Piotr Kobylis

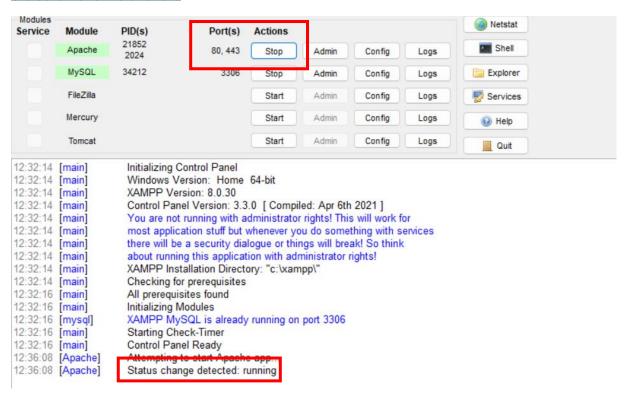
Red Team Specialist

1 Configure the XAMPP server so the website will work.

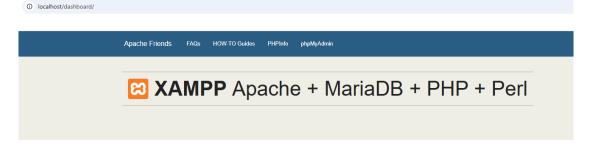
I have downloaded XAMPP from below link installed and launched Apache server from XAMPP Control Panel.

Default folder where XAMPP is installed is C:\xampp

https://sourceforge.net/projects/xampp/files/XAMPP%20Windows/8.0.30/xampp-windows-x64-8.0.30-0-VS16-installer.exe



I have also checked it on a URL: localhost



Welcome to XAMPP for Windows 8.0.30

You have successfully installed XAMPP on this system! Now you can start using Apache, MariaDB, PHP and other components. You can find more info in the FAQs section or check the HOW-TO Guides for getting started with PHP applications.

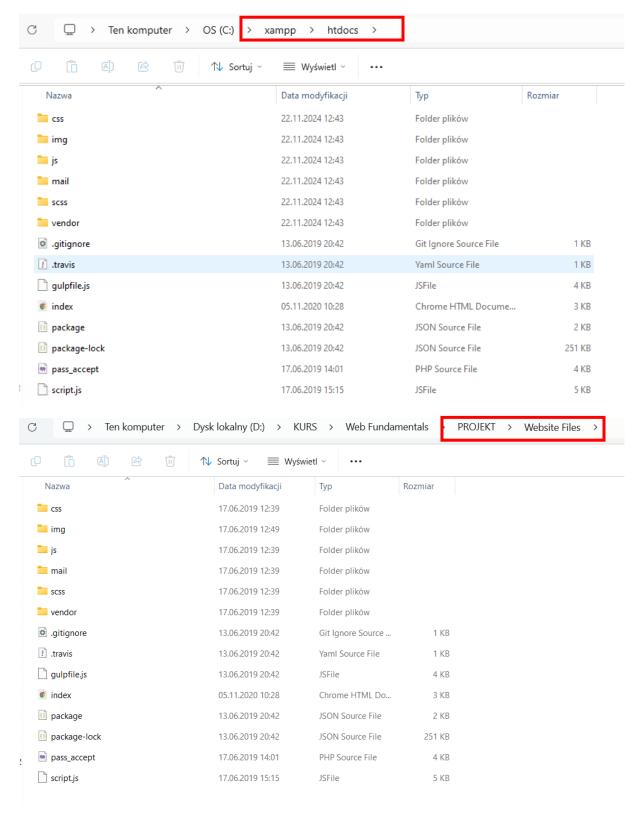
XAMPP is meant only for development purposes. It has certain configuration settings that make it easy to develop locally but that are insecure if you want to have your installation accessible to others.

Start the XAMPP Control Panel to check the server status.

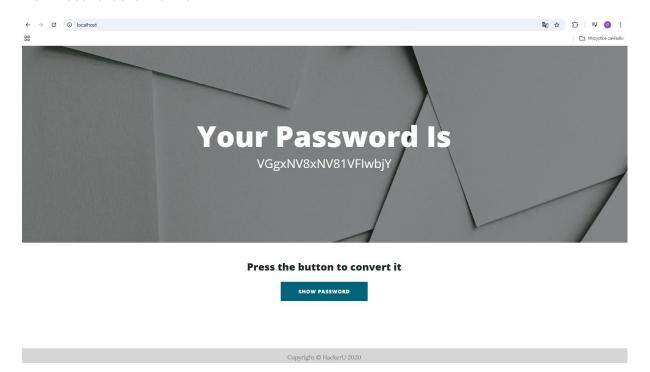
Community

XAMPP has been around for more than 10 years – there is a huge community behind it. You can get involved by joining our Forums, liking us on Facebook, or following our exploits on Twitter.

Next I have changed files default files from C:\xampp\htdocs to Project file called Website Files that I have downloaded from Hackampus



Now website looks like this:



This button doesn't work

Press the button to convert it

SHOW PASSWORD

2 Fix the website's JS code. Use the debugger to inspect the errors.

Lets start debugger and check script.js to look for a bugs

Debugger shows that in the line 98 in script.js is a bug. chatgpt advised to reduce "+" operator.

So instead of this:

```
while (i < input.length) {
   enc1 = this._keyStr.indexOf(input.charAt(i++));
   enc2 = this._keyStr.indexOf(input.charAt(i++));
   enc3 = this._keyStr.indexOf(input.charAt(i++));
   enc4 = this._keyStr.indexOf(input.charAt(i++));</pre>
```

Now it works like this:



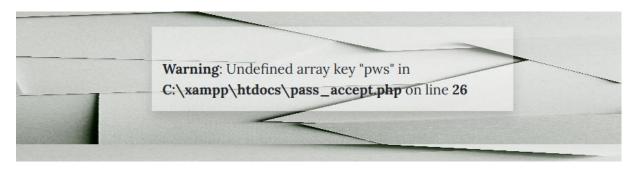
Press the button to convert it

SHOW PASSWORD

3 Perform code review on pass_accept.php file and create an HTML file which will use the PHP code with the required PHP variables.

I have used ChatGPT to review that code and generate correct one. Saved new code as an index.php and run this file on a server localhost/index.php.

Now website looks like this



New code looks like this:

k

href='https://fonts.googleapis.com/css?family=Open+Sans:300italic,400italic,600italic,700italic,800italic,400,300,600,700,800' rel='stylesheet' type='text/css'>

<!-- Custom styles for this template -->

rel='stylesheet' type='text/css'>

<link href="css/clean-blog.min.css" rel="stylesheet">

```
</head>
```

```
<body style="background-image: url('img/background.jfif'); background-size: cover;
background-attachment: fixed;">
```

```
<!-- Page Header -->
<div class="container py-5">
 <div class="col-12 col-md-8 col-lg-6 mx-auto">
   <div style="background-color: rgba(255, 255, 255, 0.7);" class="p-3 shadow">
     <!-- Form to input "pws", "srt", and "fName" -->
     <form method="POST" action="">
       <div class="form-group">
         <label for="pws">Password (pws):</label>
         <input type="text" class="form-control" id="pws" name="pws" required>
       </div>
       <div class="form-group">
         <label for="srt">Secret (srt):</label>
         <input type="text" class="form-control" id="srt" name="srt" required>
       </div>
       <div class="form-group">
         <label for="fName">First Name (fName):</label>
         <input type="text" class="form-control" id="fName" name="fName">
       </div>
       <button type="submit" class="btn btn-primary">Submit</button>
     </form>
     <hr>
     <?php
     // Sprawdzamy, czy dane zostały wysłane i poprawne
     if (
```

```
isset($_POST["pws"], $_POST["srt"]) &&
         $_POST["pws"] === base64_decode("VGgxNV8xNV81VFlwbjY") &&
         $_POST["srt"] === "1352" &&
         empty($_POST["fName"]) // Pole "fName" musi być puste
       ) {
         // Generujemy kod JavaScript do wyświetlenia alertu
         echo '<script>
            alert("AMAZING YOU DID IT !!!");
            </script>';
       }
       ?>
     </div>
   </div>
 </div>
</body>
</html>
```

4 Examine and use the code within HTML so it will work.

And works like this. I have provided credentials that I have received in a previous task.

