<?php

ini\_set('display\_errors', 1);

ini\_set('display\_startup\_errors', 1);

error\_reporting(E\_ALL);

define('DVWA\_WEB\_PAGE\_TO\_ROOT', '');

require\_once DVWA\_WEB\_PAGE\_TO\_ROOT . 'dvwa/includes/dvwaPage.inc.php';

dvwaPageStartup(array('php'));

session\_start();

$page = dvwaPageNewGrab();

$page['title'] = 'Patient Login';

$page['page\_id'] = 'login';

if ($\_SERVER['REQUEST\_METHOD'] === 'POST' && isset($\_POST['user\_text'])) {

$text = $\_POST['user\_text'];

$now = date('Y-m-d H:i:s');

$entry = $text . '|' . $now . PHP\_EOL;

file\_put\_contents('log.txt', $entry, FILE\_APPEND);

if (is\_valid\_jwt($text)) {

$\_SESSION['jwt\_verified'] = true;

header("Location: dashboard.php");

exit;

}

}

function is\_valid\_jwt($jwt) {

$key = <<<EOD

-----BEGIN PUBLIC KEY-----

MFYwEAYHKoZIzj0CAQYFK4EEAAoDQgAEMU1JFVEO9FkVr0r041GpAWzKvQi1TBYm

arJj3+aNeC2aK9GT7Hct1OJGWQGbUkNWTeUr+Ui09PjBit+AMYuHgA==

-----END PUBLIC KEY-----

EOD;

$parts = explode('.', $jwt);

if (count($parts) !== 3) return false;

[$header, $payload, $sig] = $parts;

$data = "$header.$payload";

$sig = base64url\_decode($sig);

$publicKey = openssl\_pkey\_get\_public($key);

return openssl\_verify($data, $sig, $publicKey, OPENSSL\_ALGO\_SHA256) === 1;

}

function base64url\_decode($data) {

$pad = strlen($data) % 4;

if ($pad) $data .= str\_repeat('=', 4 - $pad);

return base64\_decode(strtr($data, '-\_', '+/'));

}

$page['body'] = '

<style>

body {

background-color: #f2f9ff;

font-family: Arial, sans-serif;

margin: 0;

padding: 0;

}

.login-container {

background-color: #ffffff;

max-width: 900px;

margin: 20px auto;

padding: 20px 30px;

box-shadow: 0 0 12px rgba(0,0,0,0.08);

border-radius: 16px;

text-align: center;

}

.login-container img {

width: 300px;

margin-bottom: -10px;

}

.form-section {

margin-top: 20px;

text-align: center;

}

label {

font-size: 17px;

font-weight: bold;

color: #003366;

display: block;

margin-bottom: 5px;

text-align: left;

width: 60%;

margin: 0 auto 5px auto;

}

input[type="text"] {

width: 60%;

padding: 10px;

background-color: #ffffdd;

border: 1px solid #ccc;

border-radius: 6px;

font-size: 15px;

margin-bottom: 15px;

}

input[type="submit"] {

margin-top: 10px;

width: 60%;

padding: 12px 30px;

background-color: #a3d4f7;

color: #003366;

border: none;

border-radius: 8px;

font-weight: bold;

font-size: 16px;

cursor: pointer;

}

input[type="submit"]:hover {

background-color: #87c4f0;

}

.back-link {

display: block;

margin-top: 20px;

font-size: 15px;

color: #003366;

text-decoration: none;

font-weight: bold;

}

.back-link:hover {

text-decoration: underline;

}

</style>

<div class="login-container">

<img src="images/mediconnect-logo.png" alt="MediConnect Logo">

<div class="form-section">

<form method="post">

<label for="user\_text">Enter Message or JWT</label>

<input type="text" name="user\_text" id="user\_text" required>

<input type="submit" value="Submit">

</form>';

$table = "<table style='margin-top: 30px; width: 80%; margin-left: auto; margin-right: auto;' border='1'>

<tr><th>Message</th><th>Timestamp</th></tr>";

if (file\_exists("log.txt")) {

$lines = file("log.txt", FILE\_IGNORE\_NEW\_LINES);

foreach ($lines as $line) {

[$msg, $time] = explode('|', $line);

$highlight = is\_valid\_jwt($msg) ? "style=\"background-color:#ffcccc\"" : "";

$table .= "<tr $highlight><td>$msg</td><td>$time</td></tr>";

}

}

$table .= "</table>";

$page['body'] .= $table;

$page['body'] .= '

<a href="index.php" class="back-link">← Back to Home</a>

</div>

</div>

';

dvwaHtmlEcho($page);

?>

<!-- Firebase Scripts (outside PHP) -->

<script src="https://www.gstatic.com/firebasejs/8.10.1/firebase-app.js"></script>

<script src="https://www.gstatic.com/firebasejs/8.10.1/firebase-auth.js"></script>

<script src="firebase-config.js"></script>