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1 <!-- Practical-9: Write a PHP script to verify new user via email and mobile number.
2
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6
7 <?php
8 session_start();
9 function signup($data)
10 {
11     $errors = array();
12     //validate
13     if(!preg_match('/^[a-zA-Z]+$/', $data['username'])){
14         $errors[] = "Please enter a valid username";
15     }
16     if(!filter_var($data['email'],FILTER_VALIDATE_EMAIL)){
17         $errors[] = "Please enter a valid email";
18     }
19     if(strlen(trim($data['password'])) < 4){
20         $errors[] = "Password must be atleast 4 chars long";
21     }
22     if($data['password'] != $data['password2']){
23         $errors[] = "Passwords must match";
24     }
25     $check = database_run("select * from users where email = :email limit 1",['email'=>$data['email']]);
26     if(is_array($check)){
27         $errors[] = "That email already exists";
28     }
29     //save
30     if(count($errors) == 0){
31
32         $arr['username'] = $data['username'];
33         $arr['email'] = $data['email'];
34         $arr['password'] = hash('sha256',$data['password']);
35         $arr['date'] = date("Y-m-d H:i:s");
36
37         $query = "insert into users (username,email,password,date) values
38         (:username,:email,:password,:date)";
39
40         database_run($query,$arr);
41     }
42     return $errors;
43 }
44 function login($data)
45 {
46     $errors = array();
47     //validate
48     if(!filter_var($data['email'],FILTER_VALIDATE_EMAIL)){
49         $errors[] = "Please enter a valid email";
50     }
51     if(strlen(trim($data['password'])) < 4){
52         $errors[] = "Password must be atleast 4 chars long";
53     }
54     //check
55     if(count($errors) == 0){
56
57         $arr['email'] = $data['email'];
58         $password = hash('sha256', $data['password']);

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59
60 $query = "select * from users where email = :email limit 1";
61
62 $row = database_run($query,$arr);
63
64 if(is_array($row)){
65     $row = $row[0];
66
67     if($password === $row->password){
68
69         $_SESSION['USER'] = $row;
70         $_SESSION['LOGGED_IN'] = true;
71     }else{
72         $errors[] = "wrong email or password";
73     }
74
75 }else{
76     $errors[] = "wrong email or password";
77 }
78 }
79 return $errors;
80 }
81 function database_run($query,$vars = array())
82 {
83     $string = "mysql:host=localhost;dbname=verify_db";
84     $con = new PDO($string,'root','');
85
86     if(!$con){
87         return false;
88     }
89
90     $stm = $con->prepare($query);
91     $check = $stm->execute($vars);
92
93     if($check){
94
95         $data = $stm->fetchAll(PDO::FETCH_OBJ);
96
97         if(count($data) > 0){
98             return $data;
99         }
100     }
101
102     return false;
103 }
104 function check_login($redirect = true){
105
106     if(isset($_SESSION['USER']) && isset($_SESSION['LOGGED_IN'])){
107
108         return true;
109     }
110
111     if($redirect){
112         header("Location: login.php");
113         die;
114     }else{
115         return false;
116     }
117

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118 }
119 function check_verified(){
120
121     $id = $_SESSION['USER']->id;
122     $query = "select * from users where id = '$id' limit 1";
123     $row = database_run($query);
124
125     if(is_array($row)){
126         $row = $row[0];
127
128         if($row->email == $row->email_verified){
129
130             return true;
131         }
132     }
133
134     return false;
135 }
136 }
137
138 //practical9_2.php
139 <div>
140     <a href="index.php">Home</a> . <a href="login.php">Login</a> . <a href="signup.php">Signup</a>
141     . <a href="profile.php">Profile</a> . <a href="logout.php">Logout</a> .
142 </div>
143
144 //practical9_3.php
145 <!DOCTYPE html>
146 <html>
147 <head>
148     <meta charset="utf-8">
149     <title>Home</title>
150 </head>
151 <body>
152     <h1>Home page</h1>
153     <?php include('header.php')?>
154 </body>
155 </html>
156
157 //practical9_4.php
158 <?php
159 require "functions.php";
160 $errors = array();
161 if($_SERVER['REQUEST_METHOD'] == "POST")
162 {
163     $errors = login($_POST);
164     if(count($errors) == 0)
165     {
166         header("Location: profile.php");
167         die;
168     }
169 }
170 ?>
171 <!DOCTYPE html>
172 <html>
173 <head>
174     <meta charset="utf-8">
175     <title>Login</title>

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176 </head>
177 <body>
178 <h1>Login</h1>
179 <?php include('header.php')?>
180 <div>
181 <div>
182 <?php if(count($errors) > 0):?>
183 <?php foreach ($errors as $error):?>
184 <?= $error?> <br>
185 <?php endforeach;?>
186 <?php endif;?>
187 </div>
188 <form method="post">
189 <input type="email" name="email" placeholder="Email"><br>
190 <input type="password" name="password" placeholder="Password"><br>
191 <br>
192 <input type="submit" value="Login">
193 </form>
194 </div>
195 </body>
196 </html>

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197
198 //practical9_5.php
199 <?php
200 session_start();
201 if(isset($_SESSION['USER'])) {
202     unset($_SESSION['USER']);
203 }
204 if(isset($_SESSION['LOGGED_IN'])) {
205     unset($_SESSION['LOGGED_IN']);
206 }
207 header("Location: login.php");
208 die;
209
210 //practical9_6.php
211 <?php
212 use PHPMailer\PHPMailer\PHPMailer;
213 use PHPMailer\PHPMailer\Exception;
214 require 'PHPMailer-master/src/Exception.php';
215 require 'PHPMailer-master/src/PHPMailer.php';
216 require 'PHPMailer-master/src/SMTP.php';
217 function send_mail($recipient,$subject,$message)
218 {
219     $mail = new PHPMailer();
220     $mail->IsSMTP();
221     $mail->SMTPDebug = 0;
222     $mail->SMTPAuth = TRUE;
223     $mail->SMTPSecure = "tls";
224     $mail->Port = 587;
225     $mail->Host = "smtp.gmail.com";
226     $mail->Username = "phptest041@gmail.com";
227     $mail->Password = "bpcz uyjn zvuq fwzy";
228     $mail->IsHTML(true);
229     $mail->AddAddress($recipient, "esteemed customer");
230     $mail->SetFrom("phptest041@gmail.com", "My website");
231     $mail->Subject = $subject;
232     $content = $message;
233     $mail->MsgHTML($content);
234     if(!$mail->Send()) {

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235 //echo "Error while sending Email.";
236 //echo "<pre>";
237 //var_dump($mail);
238 return false;
239 } else {
240 //echo "Email sent successfully";
241 return true;
242 }
243 }
244 ?>
245
246 //practical9_7.php
247 <?php
248 require "functions.php";
249 check_login();
250 ?>
251 <!DOCTYPE html>
252 <html>
253 <head>
254 <meta charset="utf-8">
255 <title>Profile</title>
256 </head>
257 <body>
258 <h1>Profile</h1>
259 <?php include('header.php');?>
260 <?php if(check_login(false)):?>
261 Hi, <?=$_SESSION['USER']->username?>;
262 <br><br>
263 <?php if(!check_verified()):?>
264 <a href="verify.php">
265 <button>Verify Profile</button>
266 </a>
267 <?php endif;?>
268 <?php endif;?>
269 </body>
270 </html>
271
272 //practical9_8.php
273 <?php
274 require "functions.php";
275 $errors = array();
276 if($_SERVER['REQUEST_METHOD'] == "POST")
277 {
278 $errors = signup($_POST);
279 if(count($errors) == 0)
280 {
281 header("Location: login.php");
282 die;
283 }
284 }
285 ?>
286 <!DOCTYPE html>
287 <html>
288 <head>
289 <meta charset="utf-8">
290 <title>Signup</title>
291 </head>
292 <body>
293 <h1>Signup</h1>

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293 <h1>Signup</h1>
294 <?php include('header.php')?>
295 <div>
296 <div>
297 <?php if(count($errors) > 0):?>
298 <?php foreach ($errors as $error):?>
299 <?= $error?> <br>
300 <?php endforeach;?>
301 <?php endif;?>
302 </div>
303 <form method="post">
304 <input type="text" name="username" placeholder="Username"><br>
305 <input type="text" name="email" placeholder="Email"><br>
306 <input type="text" name="password" placeholder="Password"><br>
307 <input type="text" name="password2" placeholder="Retype Password"><br>
308 <br>
309 <input type="submit" value="Signup">
310 </form>
311 </div>
312 </body>
313 </html>
314
315 //practical9_9.php
316 <?php
317 require "mail.php";
318 require "functions.php";
319 check_login();
320 $errors = array();
321 if($_SERVER['REQUEST_METHOD'] == "GET" && !check_verified()){
322 $vars['code'] = rand(10000,99999);
323 $vars['expires'] = (time() + (60 * 10));
324 $vars['email'] = $_SESSION['USER']->email;
325 $query = "insert into verify (code,expires,email) values (:code,:expires,:email)";
326 database_run($query,$vars);
327 $message = "your code is " . $vars['code'];
328 $subject = "Email verification";
329 $recipient = $vars['email'];
330 send_mail($recipient,$subject,$message);
331 }
332 if($_SERVER['REQUEST_METHOD'] == "POST"){
333 if(!check_verified()){
334 $query = "select * from verify where code = :code && email = :email";
335 $vars = array();
336 $vars['email'] = $_SESSION['USER']->email;
337 $vars['code'] = $_POST['code'];
338 $row = database_run($query,$vars);
339 if(is_array($row)){
340 $row = $row[0];
341 $time = time();
342 if($row->expires > $time){
343 $id = $_SESSION['USER']->id;
344 $query = "update users set email_verified = email where id = '$id' limit 1";
345 database_run($query);
346 header("Location: profile.php");
347 die;
348 }else{
349 echo "Code expired";
350 }
351 }else{

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352     echo "wrong code";
353 }
354 }else{
355     echo "You're already verified";
356 }
357 }
358 ?>
359 <!DOCTYPE html>
360 <html>
361 <head>
362     <meta charset="utf-8">
363     <title>Verify</title>
364 </head>
365 <body>
366     <h1>Verify</h1>
367     <?php include('header.php');?>
368     <br><br>
369     <div>
370         <br>an email was sent to your address. paste the code from the email here<br>
371     </div>
372     <?php if(count($errors) > 0):?>
373         <?php foreach ($errors as $error):?>
374             <?= $error?> <br>
375         <?php endforeach;?>
376     <?php endif;?>
377 </div><br>
378 <form method="post">
379     <input type="text" name="code" placeholder="Enter your Code"><br>
380     <br>
381     <input type="submit" value="Verify">
382 </form>
383 </div>
384 </body>
385 </html>
```