

Sign Up, Email Verification, Log In ও Forgot Password.

এই পাঠ থেকে আমরা যা যা শিখবোঃ

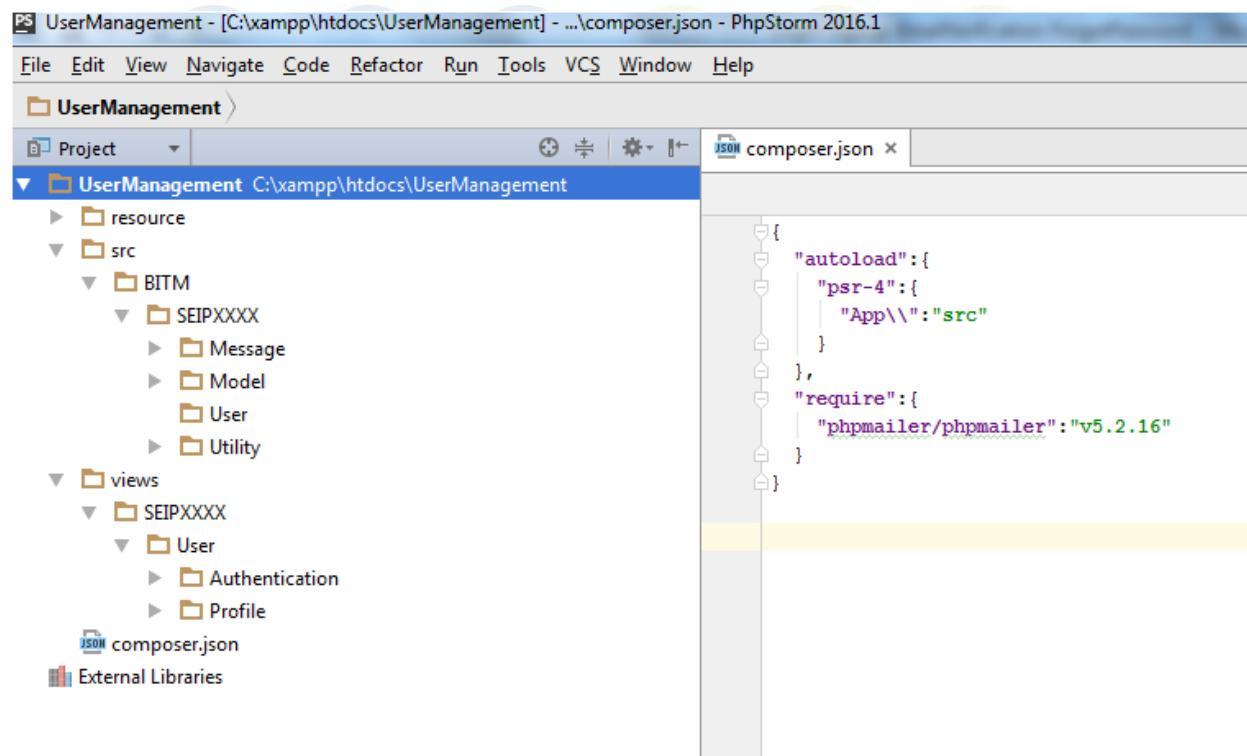
- ১) UserManagement নামক একটি PHP উদাহরণ প্রজেক্ট এর জন্য ইউজার Sign Up ফরম তৈরী করতঃ প্রদত্ত ডাটা সংরক্ষন তথা ইউজার এর Email ঠিকানা Verification সম্পন্ন করন।
 - ১.১) ইন্টারনেট হইতে Sign Up ও Log In ফরম Template নির্বাচন, ডাউনলোড ও প্রজেক্টে সংযোজন।
 - ১.২) `user-management` নামক একটি ডাটাবেজ তৈরি করতঃ `users` নামক একটি টেবিলে ইউজার প্রদত্ত প্রোফাইল ডাটা সংরক্ষন।
 - ১.৩) ইউজার এর প্রদত্ত Email ঠিকানায় Email Verification লিঙ্ক প্রেরন এবং Email Verification সম্পন্ন করা ইউজারদের আসল ইউজার হিসাবে ট্যাগ করতঃ Log In পরবর্তী সুবিধা প্রদান।
- ২) UserManagement নামক একটি উদাহরণ প্রজেক্ট এর জন্য ইউজার Log In ফরম তৈরী ও প্রদত্ত ডাটা Verification এর মাধ্যমে ইউজার অথেন্টিকেশন সম্পন্ন করন।
- ৩) যদি ইউজার তার Password ভুলে যায় তবে উক্ত ইউজার কে Forgot Password নামক লিঙ্কে ক্লিক করতঃ Sign Up কালীন প্রদত্ত Email ঠিকানা হিবহ প্রদান সাপেক্ষে উক্ত Email ঠিকানায় নতুন Password প্রতিস্থাপনের সুবিধা প্রদান।

উল্লেখিত কার্যসম্পাদনের ধাপ সমূহ:

১.১) ইন্টারনেট হইতে Sign Up ও Log In ফর্ম Template নির্বাচন, ডাউনলোড ও প্রজেক্টে সংযোজন।

কার্যসম্পাদন পদ্ধতি:

প্রথমে আমরা PhpStorm IDE তে উদাহরণ-সরূপ UserManagement নামক একটি নতুন প্রজেক্ট ক্রিয়েট করে উক্ত প্রজেক্টের আওতায় কিছু দরকারী ফোল্ডার তৈরী করি তথা composer.json ফাইল সম্পাদন করি।



The screenshot shows the PhpStorm IDE interface. The title bar says "UserManagement - [C:\xampp\htdocs\UserManagement] - ...\\composer.json - PhpStorm 2016.1". The menu bar includes File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, and Help. The toolbar has icons for Project, Run, Stop, and others. The left sidebar shows the "UserManagement" project structure under "Project":

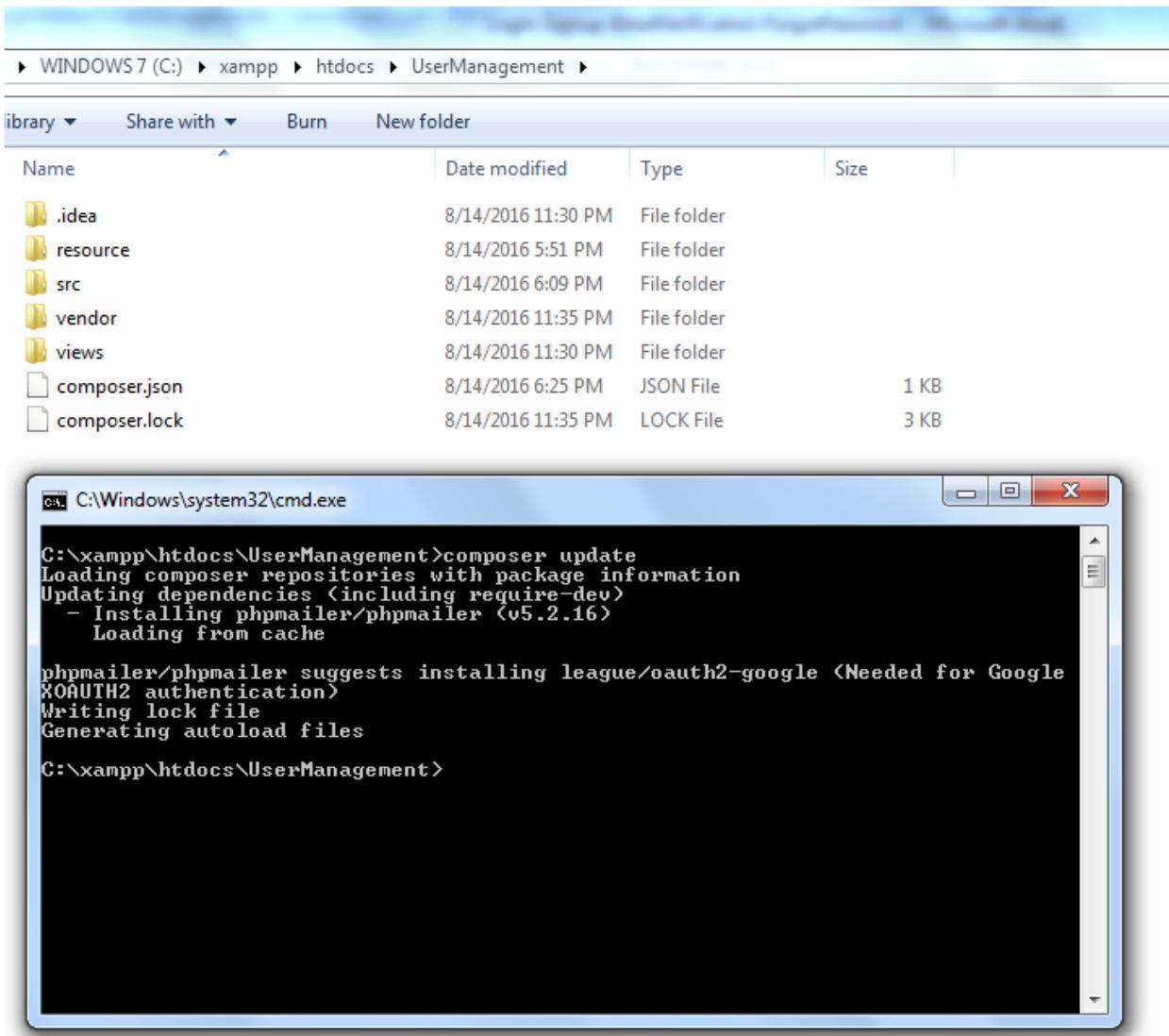
- resource
- src
 - BITM
 - SEIPXXXX
 - Message
 - Model
 - User
 - Utility
 - views
 - SEIPXXXX
 - User
 - Authentication
 - Profile

Below the project tree are two tabs: "composer.json" and "External Libraries". The "composer.json" tab displays the following JSON code:

```
{
    "autoload": {
        "psr-4": {
            "App\\": "src"
        }
    },
    "require": {
        "phpmailer/phpmailer": "v5.2.16"
    }
}
```

চিত্র#১ – UserManagement নামক একটি নতুন প্রজেক্ট ক্রিয়েট ও দরকারী কিছু ফোল্ডার তৈরীকরন।

প্রোজেক্ট Root হিতে command prompt এ composer update কমান্ড প্রদান করে ভেন্ডার ফেন্ডার উপলব্ধি করি।



চিত্র#2 – composer update কমান্ড প্রয়োগ।

আমাদের নতুন ইউজার Email ঠিকানা Verification ও Forgot Password সিষ্টেমের জন্য PHP Mailer প্যাকেজটি অত্যাবশ্যকীয়।

PS UserManagement - [C:\xampp\htdocs\UserManagement] - ...\\composer.json - PhpStorm 2016.1

File Edit View Navigate Code Refactor Run Tools VCS Window Help

UserManagement > vendor >

Project composer.json

```
{
    "autoload": {
        "psr-4": {
            "App\\": "src"
        }
    },
    "require": {
        "phpmailer/phpmailer": "v5.2.16"
    }
}
```

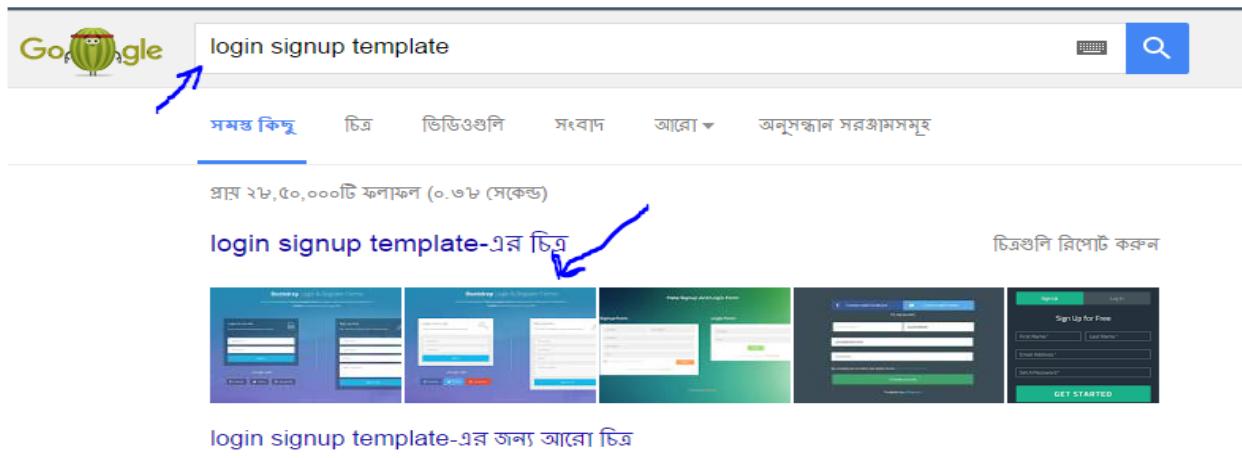
UserManagement C:\xampp\htdocs\UserManagement

- resource
- src
 - BITM
 - SEIPXXXX
 - Message
 - Model
 - User
 - Utility
- vendor
 - composer
 - phpmailer
 - autoload.php
- views
 - SEIPXXXX
 - User
 - Authentication
 - Profile

composer.json
composer.lock
External Libraries

চিত্র#৩ – UserManagement নামক একটি নতুন প্রজেক্টে vendor ফোল্ডার প্রাপ্তি।

অতঃপর গুগল এ সার্চ করে সুন্দর একটি Sign Up & Log In Template ডাউনলোড করিব।



Google search results for "login signup template". The first result is a link to a website showing various login and sign-up form templates.

সমস্ত কিছু চির তিডিওগুলি সংবাদ আরো অনুসন্ধান সরঞ্জামসমূহ

প্রায় ২৪,৫০,০০০টি ফলাফল (০.৩৮ সেকেন্ড)

login signup template-এর চিত্র

চিত্রগুলি রিপোর্ট করুন

login signup template-এর জন্য আরো চিত্র

65 Free HTML5 And CSS3 Login, Sign-Up Forms For Your Website ...

www.instantshift.com/.../free-html5-css3-logi... ▾ পাতাটিকে অনুবাদ করে দেখাও

২ অক্টোবর, ২০১৫ - 65 Free HTML5 And CSS3 Login, Sign-Up Forms For Your Website. Posted in How can I redirect this login template information to my email.

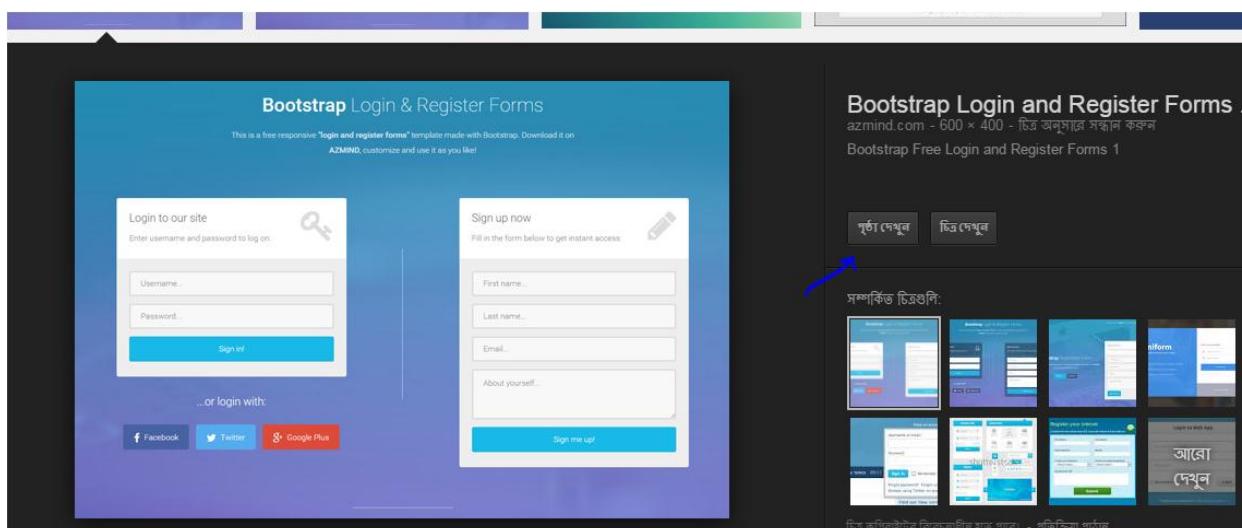
40+ Beautiful CSS Sign up & Registration Form - freshDesignweb

<https://www.freshdesignweb.com/css-registrat...> ▾ পাতাটিকে অনুবাদ করে দেখাও

৮ জুলাই, ২০১৬ - It will helping you to save time for design login form or registration form in Signup Login Form Template Widget for your websites makes your ...

40+ Beautiful CSS HTML5 ... Demo · 40+ Free jQuery Login

চিত্র#৮ – google.com এ login signup template সার্চ করিব।



Bootstrap Login & Register Forms

This is a free responsive "login and register forms" template made with Bootstrap. Download it on AZMIND, customize and use it as you like!

Sign in to our site

Enter username and password to log on

Username:

Password:

Sign in!

...or login with:

[Facebook](#) [Twitter](#) [Google Plus](#)

Sign up now

Fill in the form below to get instant access

First name:

Last name:

Email:

About yourself...

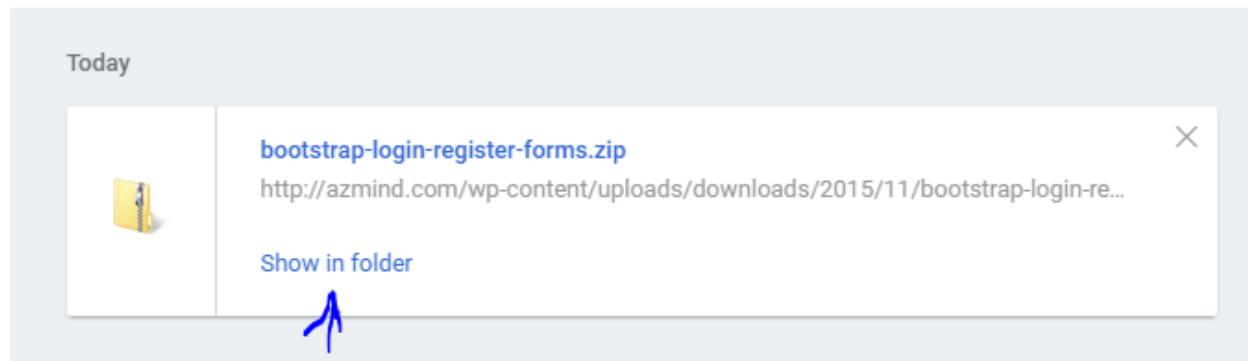
Sign me up!

সমস্ত চিত্রগুলি:

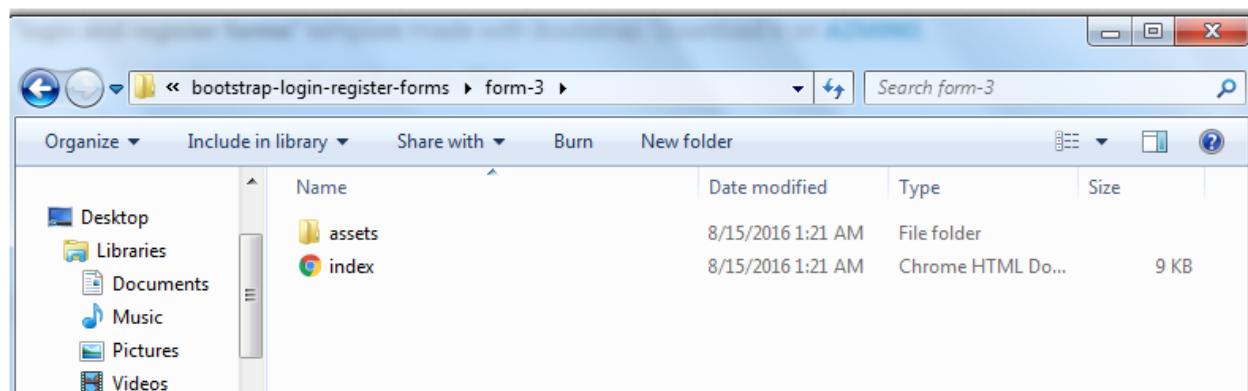
স্মাৰ্ট দেখুন | চিৰ দেখুন

চিত্র কলাইজেট নিউচেলাইন হাতে প্ৰযোজন আছে - অফিশিয়াল পৰ্যালোচনা

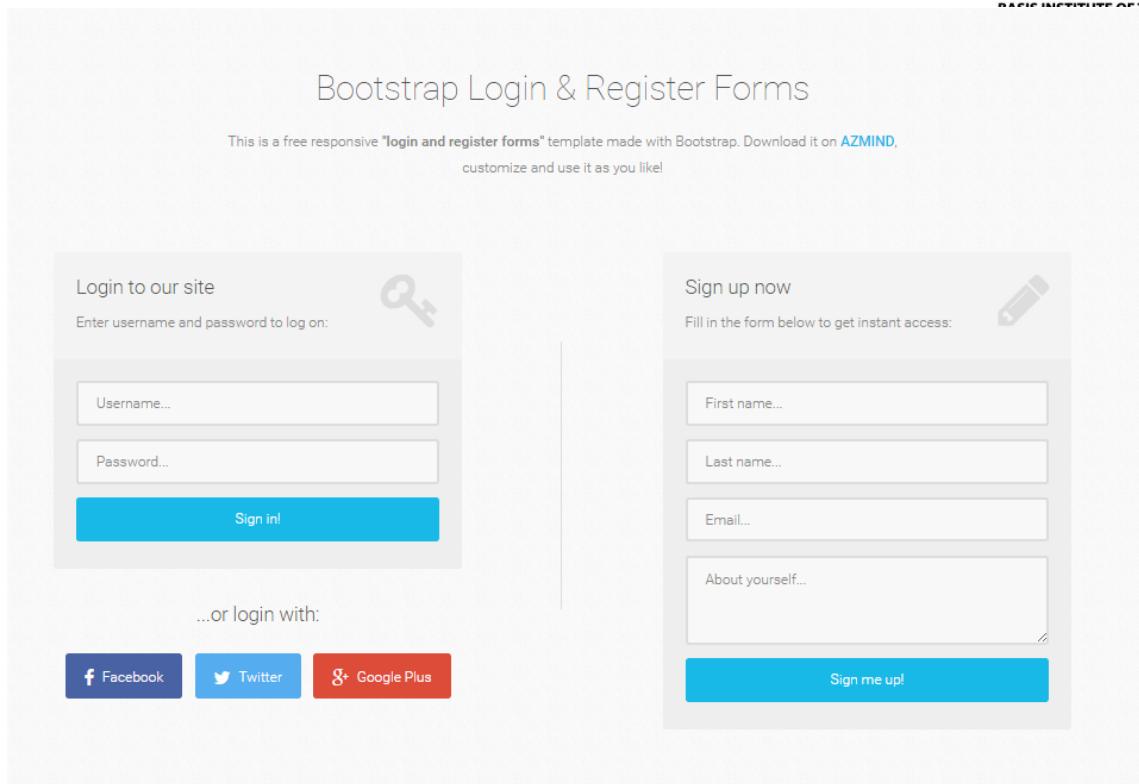
চিত্র#৫ – google.com image হতে login signup template নির্বাচন ও উক্ত template এর পেইজ ভিজিট করে template টি download।



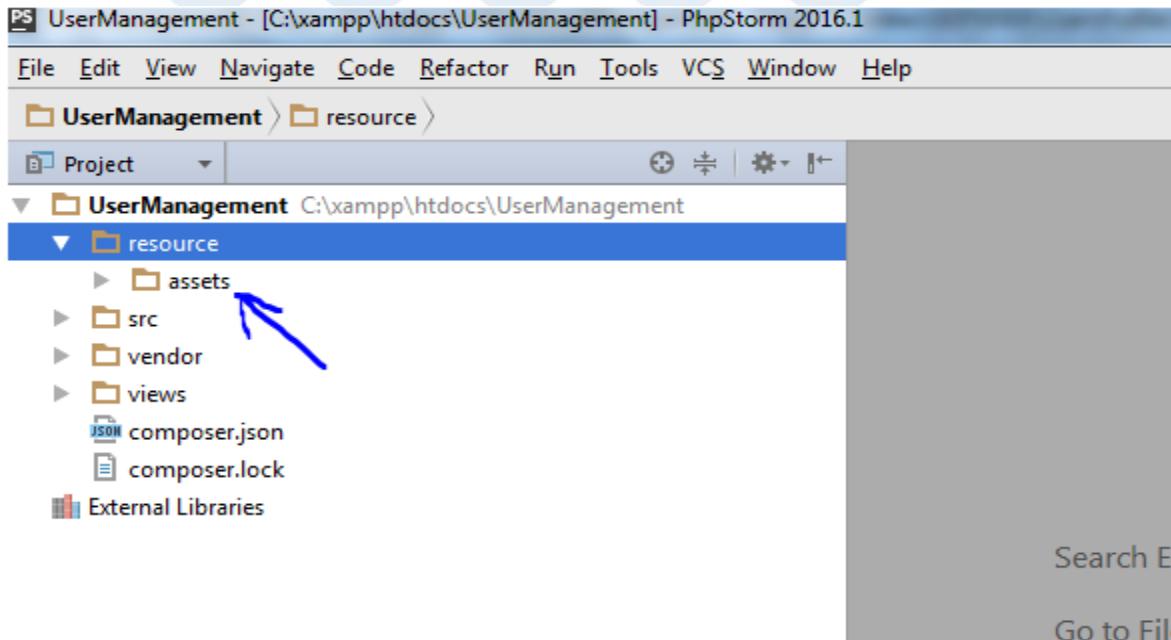
চিত্র#৬ – Login – Sign Up template Download সম্পন্ন।



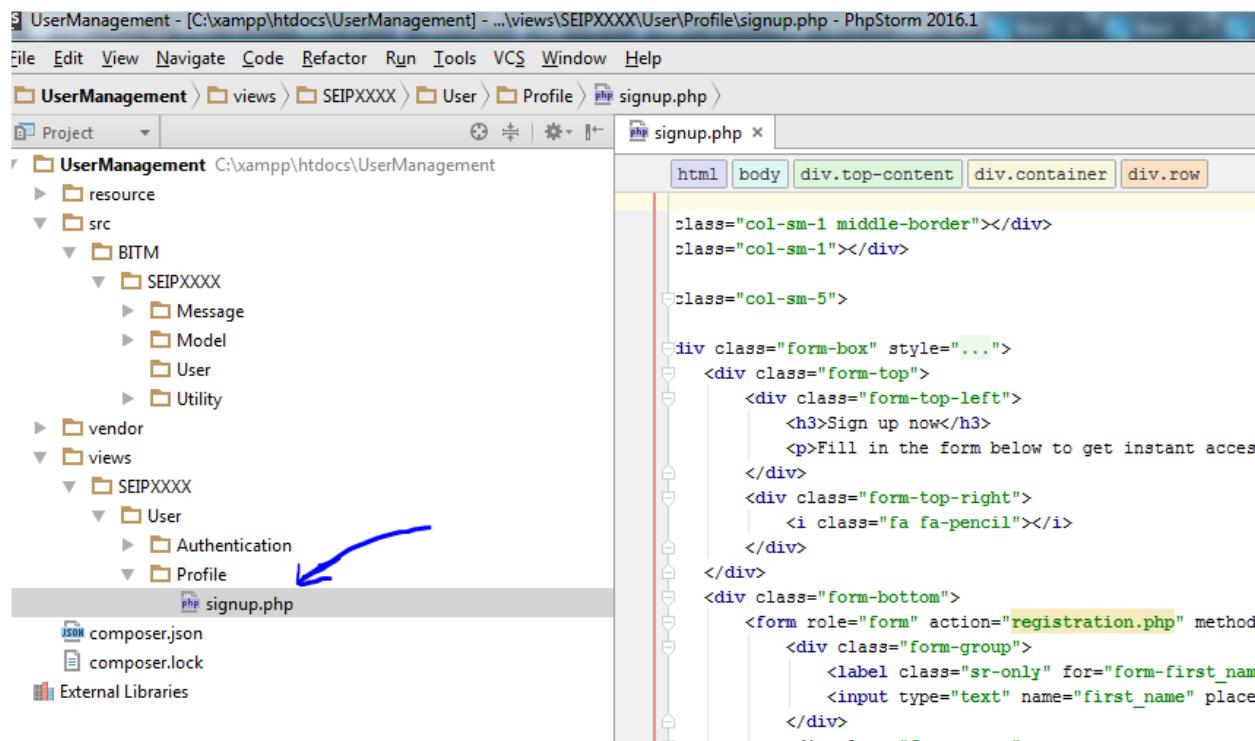
চিত্র#৭ – Compressed Zip ফাইলটি Extract / Unzip করন।



চিত্র#৭ – ডাউনলোড করা Template টি ওপেন করে দেখা।



চিত্র#৮ – template এর assets ফোল্ডারটি প্রজেক্টের resource ফোল্ডারে স্থানান্তর।



The screenshot shows the PhpStorm IDE interface. The left sidebar displays the project structure:

- Project: UserManagement
- src:
 - BITM:
 - SEIPXXXX
 - Message
 - Model
 - User
 - Utility
 - vendor
 - views:
 - SEIPXXXX
 - User
 - Authentication
 - Profile
- Files:
 - signup.php
 - composer.json
 - composer.lock
 - External Libraries

The right panel shows the code editor with the file `signup.php` open. The code is a template for a sign-up page, featuring a form for user registration.

```

<div class="col-sm-1 middle-border"></div>
<div class="col-sm-1"></div>

<div class="col-sm-5">
    <div class="form-box" style="...">
        <div class="form-top">
            <div class="form-top-left">
                <h3>Sign up now</h3>
                <p>Fill in the form below to get instant acces</p>
            </div>
            <div class="form-top-right">
                <i class="fa fa-pencil"></i>
            </div>
        </div>
        <div class="form-bottom">
            <form role="form" action="registration.php" method="post">
                <div class="form-group">
                    <label class="sr-only" for="form-first_name"></label>
                    <input type="text" name="first_name" placeholder="First Name" id="form-first_name" />
                </div>
                <div class="form-group">
                    <label class="sr-only" for="form-last_name"></label>
                    <input type="text" name="last_name" placeholder="Last Name" id="form-last_name" />
                </div>
                <div class="form-group">
                    <label class="sr-only" for="form-email"></label>
                    <input type="email" name="email" placeholder="Email Address" id="form-email" />
                </div>
                <div class="form-group">
                    <label class="sr-only" for="form-password"></label>
                    <input type="password" name="password" placeholder="Password" id="form-password" />
                </div>
                <div class="form-group">
                    <label class="sr-only" for="form-confirm_password"></label>
                    <input type="password" name="confirm_password" placeholder="Confirm Password" id="form-confirm_password" />
                </div>
                <div class="form-group">
                    <label class="sr-only" for="form-terms_and_conditions"></label>
                    <input type="checkbox" name="terms_and_conditions" id="form-terms_and_conditions" />
                    <label for="form-terms_and_conditions">I agree to the terms and conditions</label>
                </div>
                <div class="form-group">
                    <button type="submit" value="Submit" id="form-submit">Submit</button>
                </div>
            </form>
        </div>
    </div>
</div>

```

চিত্র#৯ – Template-এর index.php ফাইলটি প্রজেক্টের Profile ফোল্ডারে singup.php করন।

অতঃপর signup.php ফাইলটির কতিপয় পরিবর্তন সাপেক্ষে চাহিদা অনুযায়ী রূপ ও ফাংশনালিটি প্রদান।

UserManagement - [C:\xampp\htdocs\UserManagement] - ...\views\SEIPXXXX\User\Profile\signup.php - PhpStorm 2016.1

File Edit View Navigate Code Refactor Run Tools VCS Window Help

UserManagement > views > SEIPXXXX > User > Profile > signup.php

signup.php

```

1  <?php
2  include_once(' ../../../../vendor/autoload.php');
3
4  if(!isset($_SESSION) )session_start();
5  use App\BITM\SEIPXXXX\Message\Message;
6
7
8  ?>
9
10 <!DOCTYPE html>
11 <html lang="en">
12 <head>
13
14     <meta charset="utf-8">
15     <meta http-equiv="X-UA-Compatible" content="IE=edge">
16     <meta name="viewport" content="width=device-width, initial-scale=1">
17     <title>Signing up as customer!</title>
18
19     <!-- CSS -->
20     <link rel="stylesheet" href="http://fonts.googleapis.com/css?family=Roboto:400,100,300,500">
21     <link rel="stylesheet" href="../../../../resource/assets/bootstrap/css/bootstrap.min.css">
22     <link rel="stylesheet" href="../../../../resource/assets/font-awesome/css/font-awesome.min.css">
23     <link rel="stylesheet" href="../../../../resource/assets/css/form-elements.css">
24     <link rel="stylesheet" href="../../../../resource/assets/css/style.css">
25
26
27     <!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and media queries -->
28     <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
29     <!--[if lt IE 9]>
30     <script src="https://oss.maxcdn.com/libs/html5shiv/3.7.0/html5shiv.js"></script>
31     <script src="https://oss.maxcdn.com/libs/respond.js/1.4.2/respond.min.js"></script>
32     <![endif]-->
33
34     <!-- Favicon and touch icons -->
35     <link rel="shortcut icon" href="../../../../resource/assets/ico/favicon.png">
36     <link rel="apple-touch-icon-precomposed" sizes="144x144" href="../../../../resource/assets/ico/apple-touch-icon-144-precomposed.png">

```

36 <link rel="apple-touch-icon-precomposed" sizes="144x144" href="../../../../resource/assets/ico/apple-touch-icon-144-precomposed.png">
37 <link rel="apple-touch-icon-precomposed" sizes="114x114" href="../../../../resource/assets/ico/apple-touch-icon-114-precomposed.png">
38 <link rel="apple-touch-icon-precomposed" sizes="72x72" href="../../../../resource/assets/ico/apple-touch-icon-72-precomposed.png">
39 <link rel="apple-touch-icon-precomposed" href="../../../../resource/assets/ico/apple-touch-icon-57-precomposed.png">

40
41 </head>
42 <body>
43 <!-- Top content -->
44 <div class="top-content">
45 <div class="container" >
46 <table>
47 <tr>
48 <td width='230' >
49
50 <td width='600' height='50' >
51
52
53 <?php if(isset(\$_SESSION['message'])))if(\$_SESSION['message']!='') { ?>
54
55 <div id="message" class="form button" style="..." >
56 <center>
57 <?php if((array_key_exists('message',\$_SESSION)&& (!empty(\$_SESSION['message'])))) {
58 echo " ".Message::message();
59 }
60 Message::message(NULL);
61 ?></center>
62
63 </div>
64 <?php } ?>
65 </td>
66 </tr>
67 </table>
68 <div class="row" >
69 <div class="col-sm-5" >

```

signup.php x
html head
66      </table>
67
68      <div class="row" >
69          <div class="col-sm-5" >
70
71
72          <div class="form-box" style="..." >
73              <div class="form-top" >
74                  <div class="form-top-left" >
75                      <h3>Login to our site</h3>
76                      <p>Enter username and password to log on:</p>
77                  </div>
78                  <div class="form-top-right" >
79                      | <i class="fa fa-key"></i>
80                  </div>
81              </div>
82              <div class="form-bottom" >
83                  <form role="form" action="../Authentication/login.php" method="post" class="login-form" >
84                      <div class="form-group" >
85                          <label class="sr-only" for="email">Email</label>
86                          <input type="text" name="email" placeholder="Email..." class="form-email form-control" id="form-email" >
87                      </div>
88                      <div class="form-group" >
89                          <label class="sr-only" for="password">Password</label>
90                          <input type="password" name="password" placeholder="Password..." class="form-password form-control" id="form-password" >
91                      </div>
92                      <button type="submit" class="btn">Sign in!</button>
93                  </form>
94              </div>
95          </div>
96
97          <div class="social-login" >
98              <h3>...or login with:</h3>
99              <div class="social-login-buttons" >
100                 <a class="btn btn-link-1 btn-link-1-facebook" href="#" >
101                     | <i class="fa fa-facebook"></i> Facebook
102                 </a>
103                 <a class="btn btn-link-1 btn-link-1-twitter" href="#" >
104                     | <i class="fa fa-twitter"></i> Twitter
105                 </a>
106                 <a class="btn btn-link-1 btn-link-1-google-plus" href="#" >
107                     | <i class="fa fa-google-plus"></i> Google Plus
108                 </a>
109             </div>
110         </div>
111
112
113
114         <div class="col-sm-1 middle-border" ></div>
115         <div class="col-sm-1" ></div>
116
117         <div class="col-sm-5" >
118
119             <div class="form-box" style="..." >
120                 <div class="form-top" >
121                     <div class="form-top-left" >
122                         <h3>Sign up now</h3>
123                         <p>Fill in the form below to get instant access:</p>
124                     </div>
125                     <div class="form-top-right" >
126                         | <i class="fa fa-pencil"></i>
127                     </div>
128                 </div>
129                 <div class="form-bottom" >
130                     <form role="form" action="registration.php" method="post" class="registration-form" >
131                         <div class="form-group" >
132                             <label class="sr-only" for="first_name">First name</label>
133                             <input type="text" name="first_name" placeholder="First name..." class="form-first-name form-control" id="form-first-name" >
134                         </div>
135                     </div>

```

```

signup.php x
html body div.top-content div.container div.row div.col-sm-5 div.form-box div.form-bottom form-registration-form div.form-group input#form-address.form-control
133      <input type="text" name="first_name" placeholder="First name..." class="form-first-name form-control" id="form-first-name">
134    </div>
135    <div class="form-group">
136      <label class="sr-only" for="form-last-name">Last name</label>
137      <input type="text" name="last_name" placeholder="Last name..." class="form-last-name form-control" id="form-last-name">
138    </div>
139    <div class="form-group">
140      <label class="sr-only" for="form-email">Email</label>
141      <input type="text" name="email" placeholder="Email..." class="form-email form-control" id="form-email">
142    </div>
143
144    <div class="form-group">
145      <label class="sr-only" for="form-password">Password</label>
146      <input type="password" name="password" placeholder="Password..." class="form-password form-control" id="form-password">
147    </div>
148    <div class="form-group">
149      <label class="sr-only" for="form-phone">Phone</label>
150      <input type="text" name="phone" placeholder="Phone..." class="form-phone form-control" id="form-phone">
151    </div>
152    <div class="form-group">
153      <label class="sr-only" for="address">Address</label>
154      <input type="text" name="address" placeholder="Address..." class="form-address form-control" id="form-address">
155    </div>
156    <button type="submit" class="btn">Sign me up!</button>
157  </form>
158 </div>
159 </div>
160 </div>
161 </div>
162 </div>
163 </div>
164 </div>
165 </div>
166 </div>
167 </div>
168 <!-- Javascript -->
169 <script src="../../resource/assets/js/jquery-1.11.1.min.js"></script>
170 <script src="../../resource/assets/bootstrap/js/bootstrap.min.js"></script>
171 <script src="../../resource/assets/js/jquery.backstretch.min.js"></script>
172 <script src="../../resource/assets/js/scripts.js"></script>
173
174 <!--[if lt IE 10]>
175 <script src="../../resource/assets/js/placeholder.js"></script>
176 <![endif]-->
177
178 </body>
179
180 <script>
181   $('.alert').slideDown("slow").delay(2000).slideUp("slow");
182 </script>
183
184 </html>
185 <!-->
```

```

UserManagement - [C:\xampp\htdocs\UserManagement] - ...views\SEIPXXXX\User\Profile\signup.php - PhpStorm 2016.1
File Edit View Navigate Code Refactor Run Tools VCS Window Help
UserManagement > views > SEIPXXXX > User > Profile > signup.php
signup.php x
html body div.top-content div.container div.row div.col-sm-5
151      <div>
152        <div class="form-group">
153          <label class="sr-only" for="address">Address</label>
154          <input type="text" name="address" placeholder="Address..." class="form-address form-control" id="form-address">
155        </div>
156        <button type="submit" class="btn">Sign me up!</button>
157      </form>
158    </div>
159  </div>
160
161 </div>
162 </div>
163 </div>
164 </div>
165 </div>
166 </div>
167 </div>
168 <!-- Javascript -->
169 <script src="../../resource/assets/js/jquery-1.11.1.min.js"></script>
170 <script src="../../resource/assets/bootstrap/js/bootstrap.min.js"></script>
171 <script src="../../resource/assets/js/jquery.backstretch.min.js"></script>
172 <script src="../../resource/assets/js/scripts.js"></script>
173
174 <!--[if lt IE 10]>
175 <script src="../../resource/assets/js/placeholder.js"></script>
176 <![endif]-->
177
178 </body>
179
180 <script>
181   $('.alert').slideDown("slow").delay(2000).slideUp("slow");
182 </script>
183
184 </html>
185 <!-->
```

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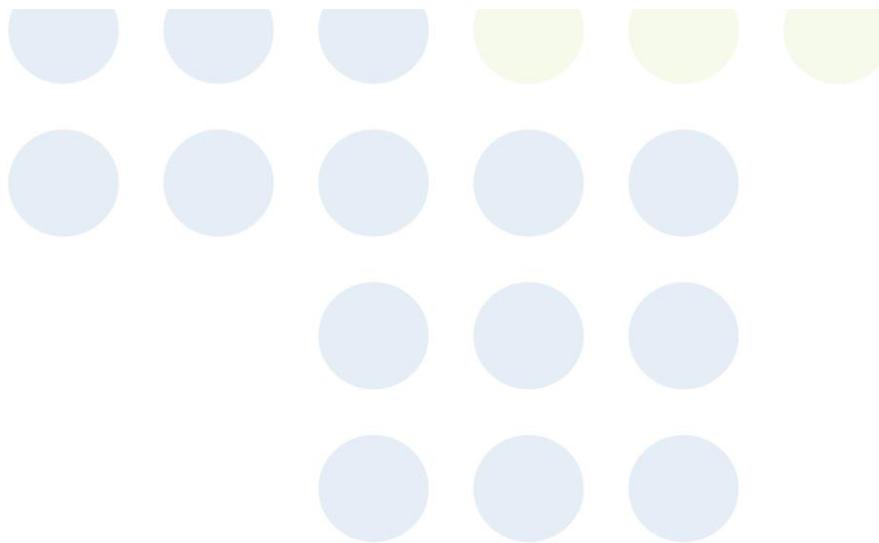
Google Plus

Sign up now

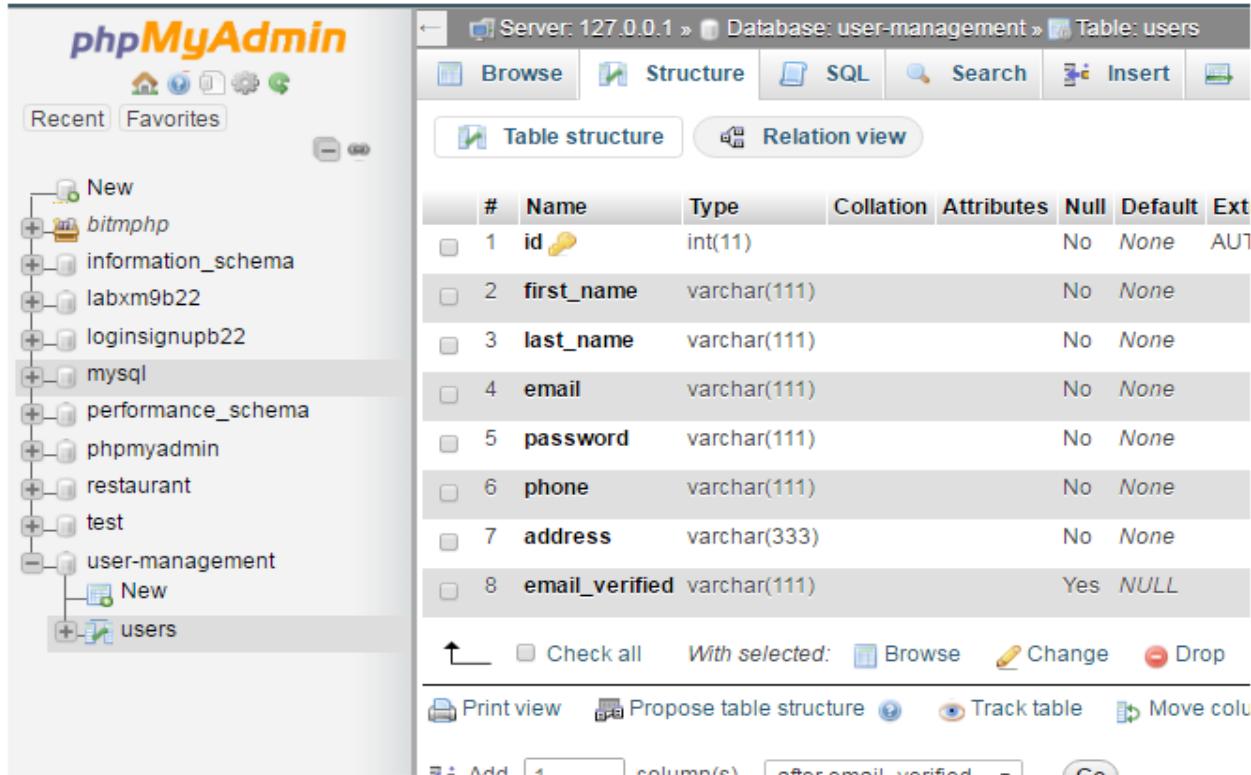
Fill in the form below to get instant access:



[Sign me up!](#)



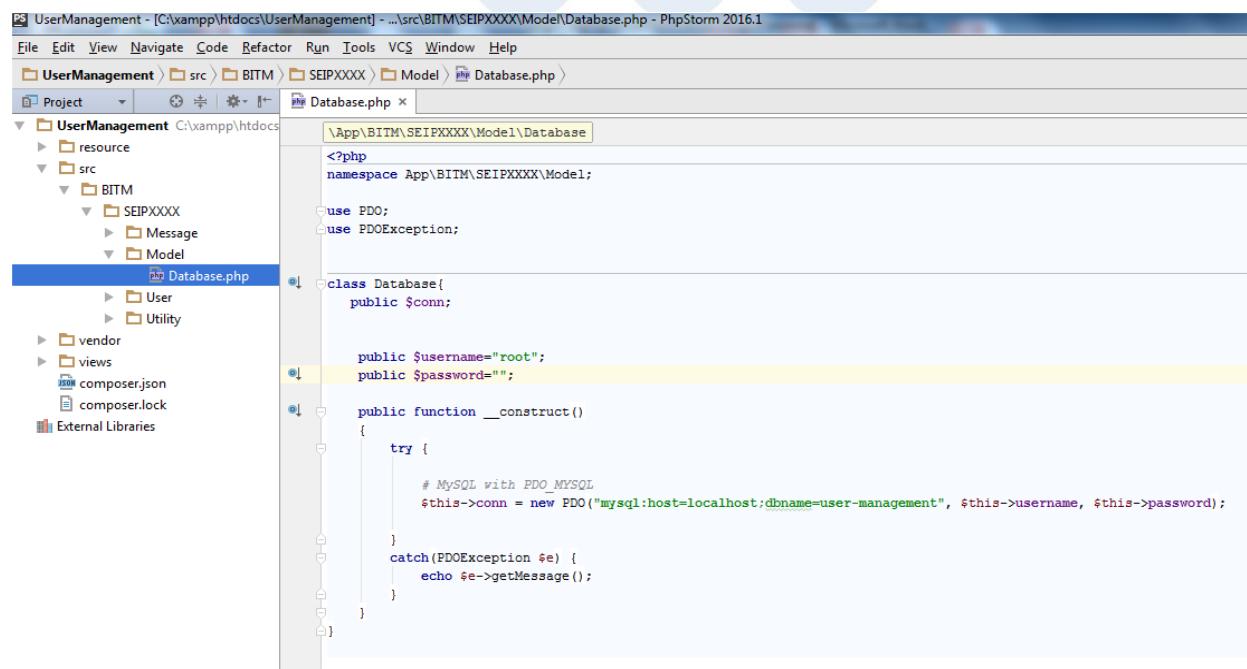
১.২) user-management নামক একটি ডাটাবেজ তৈরি করতঃ users নামক একটি টেবিলে
ইউজার প্রদত্ত প্রোফাইল ডাটা সংরক্ষন।



The screenshot shows the phpMyAdmin interface. On the left, the database tree is visible with 'user-management' selected. On the right, the 'Table structure' tab is active, showing the 'users' table definition:

#	Name	Type	Collation	Attributes	Null	Default	Ext.
1	id	int(11)			No	None	AUT
2	first_name	varchar(111)			No	None	
3	last_name	varchar(111)			No	None	
4	email	varchar(111)			No	None	
5	password	varchar(111)			No	None	
6	phone	varchar(111)			No	None	
7	address	varchar(333)			No	None	
8	email_verified	varchar(111)			Yes	NULL	

অতঃপর PhpStorm IDE তে Model কোডারের ভিত্তির database.php class ফাইল তৈরী
করা হলো



```

PS UserManagement - [C:\xampp\htdocs\UserManagement] - ...src\BITM\SEIPXXXX\Model\Database.php - PhpStorm 2016.1
File Edit View Navigate Code Refactor Run Tools VCS Window Help
UserManagement > src > BITM > SEIPXXXX > Model > Database.php
Project Database.php
<?php
namespace App\BITM\SEIPXXXX\Model;

use PDO;
use PDOException;

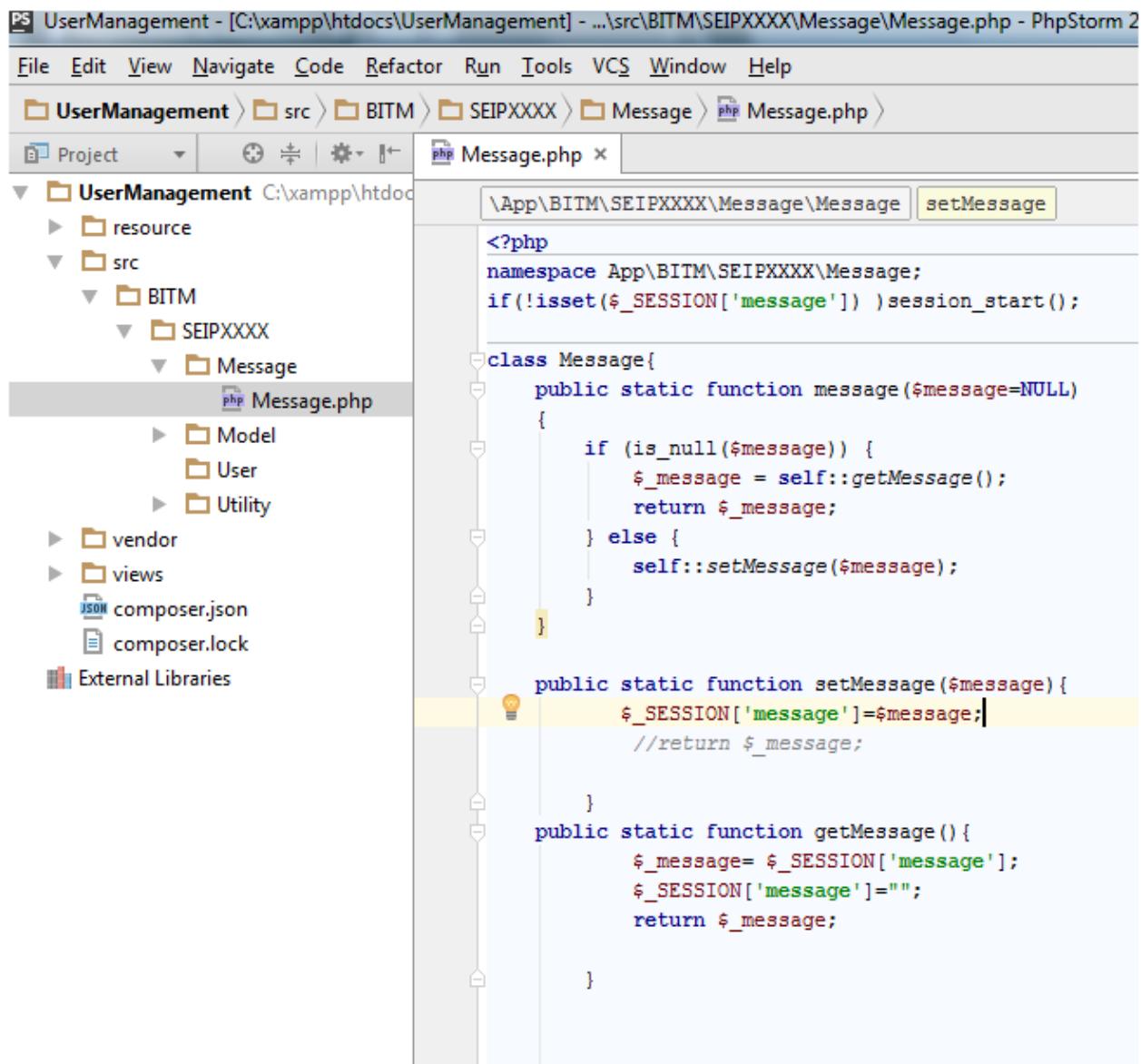
class Database{
    public $conn;

    public $username="root";
    public $password="";

    public function __construct()
    {
        try {
            # MySQL with PDO_MYSQL
            $this->conn = new PDO("mysql:host=localhost;dbname=user-management", $this->username, $this->password);
        } catch(PDOException $e) {
            echo $e->getMessage();
        }
    }
}

```

অতঃপর PhpStorm IDE তে Message কোডারের ভিত্তির Message.php class ফাইল তৈরী করা হলো



The screenshot shows the PhpStorm IDE interface with the following details:

- Project Structure:** The left sidebar shows the project structure under "UserManagement". It includes "src" (containing "resource", "BITM" (which contains "SEIPXXXX" (containing "Message" (containing "Message.php"))), "Model", "User", "Utility", "vendor", "views", and files "composer.json" and "composer.lock").
- Code Editor:** The main window displays the content of "Message.php". The code is as follows:

```

<?php
namespace App\BITM\SEIPXXXX\Message;
if(!isset($_SESSION['message'])) session_start();

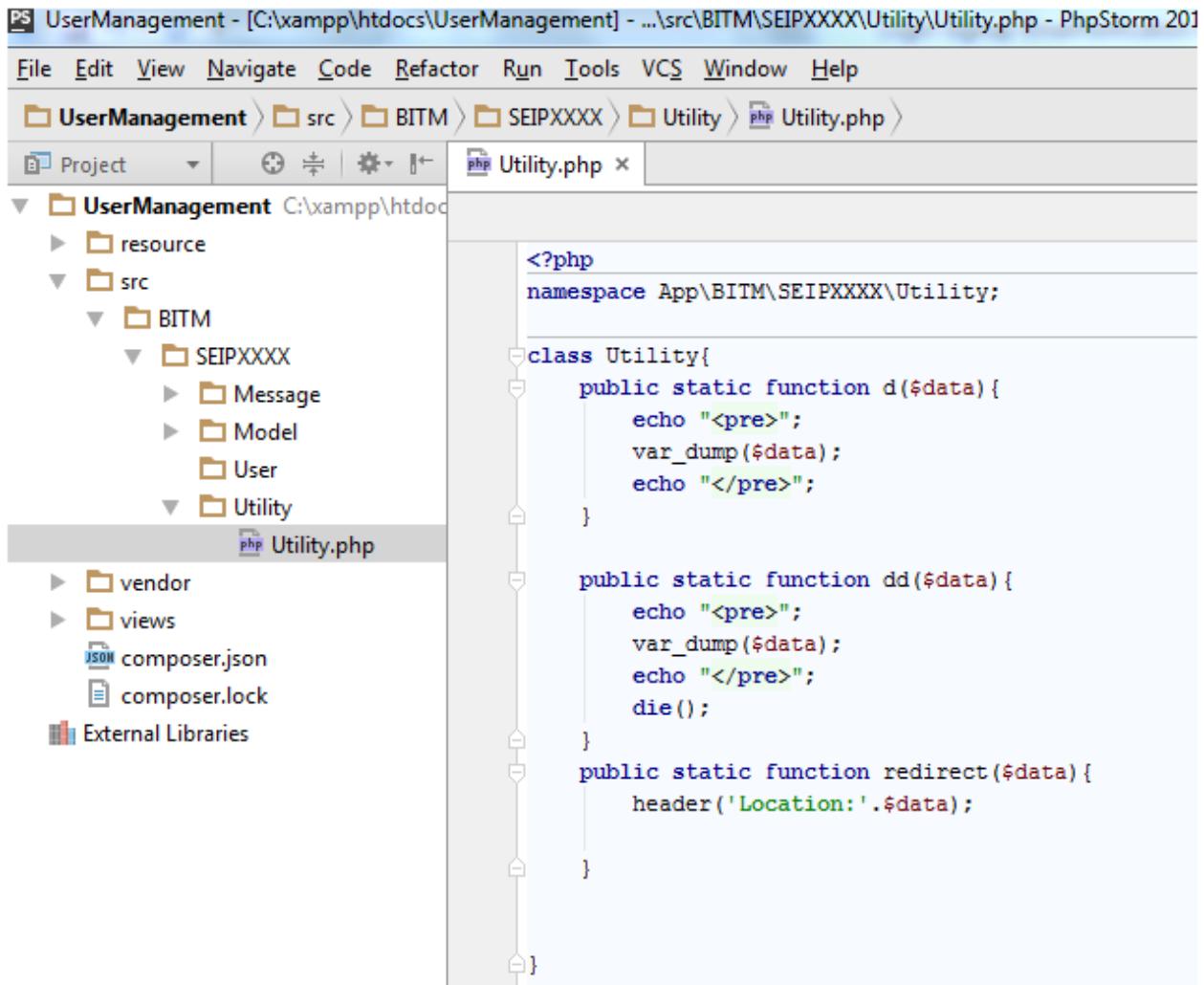
class Message{
    public static function message($message=NULL)
    {
        if (is_null($message)) {
            $message = self::getMessage();
            return $message;
        } else {
            self::setMessage($message);
        }
    }

    public static function setMessage($message)
    {
        $_SESSION['message']=$message;
        //return $message;
    }

    public static function getMessage()
    {
        $message= $_SESSION['message'];
        $_SESSION['message']="";
        return $message;
    }
}

```

অতঃপর PhpStorm IDE তে Utility ফোল্ডারের ভিতর Utility.php class ফাইল তৈরী করা
হলো:



```

<?php
namespace App\BITM\SEIPXXXX\Utility;

class Utility{
    public static function d($data){
        echo "<pre>";
        var_dump($data);
        echo "</pre>";
    }

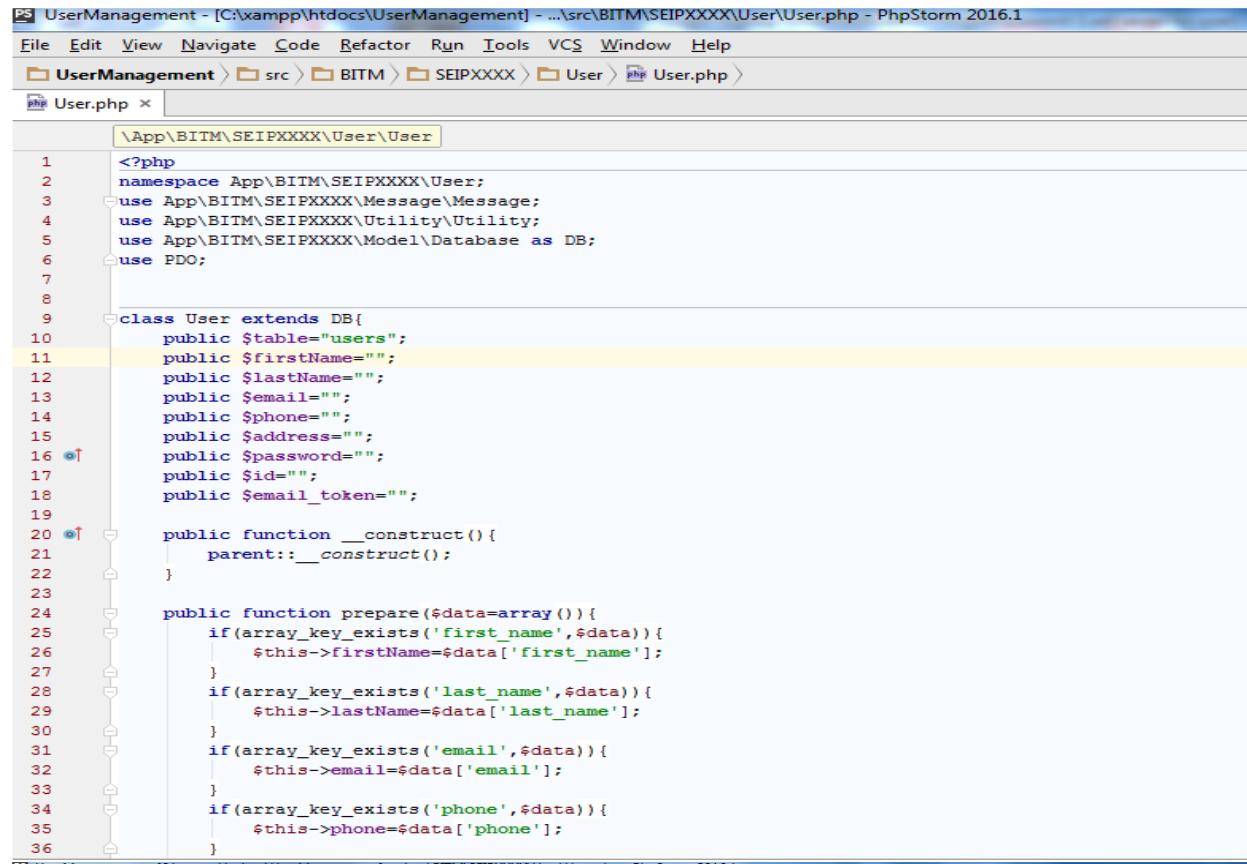
    public static function dd($data){
        echo "<pre>";
        var_dump($data);
        echo "</pre>";
        die();
    }

    public static function redirect($data){
        header('Location:'.$data);
    }
}

```

অতঃপর PhpStorm IDE টে User ফোল্ডারের ভিত্তির User.php class ফাইল তৈরী করা

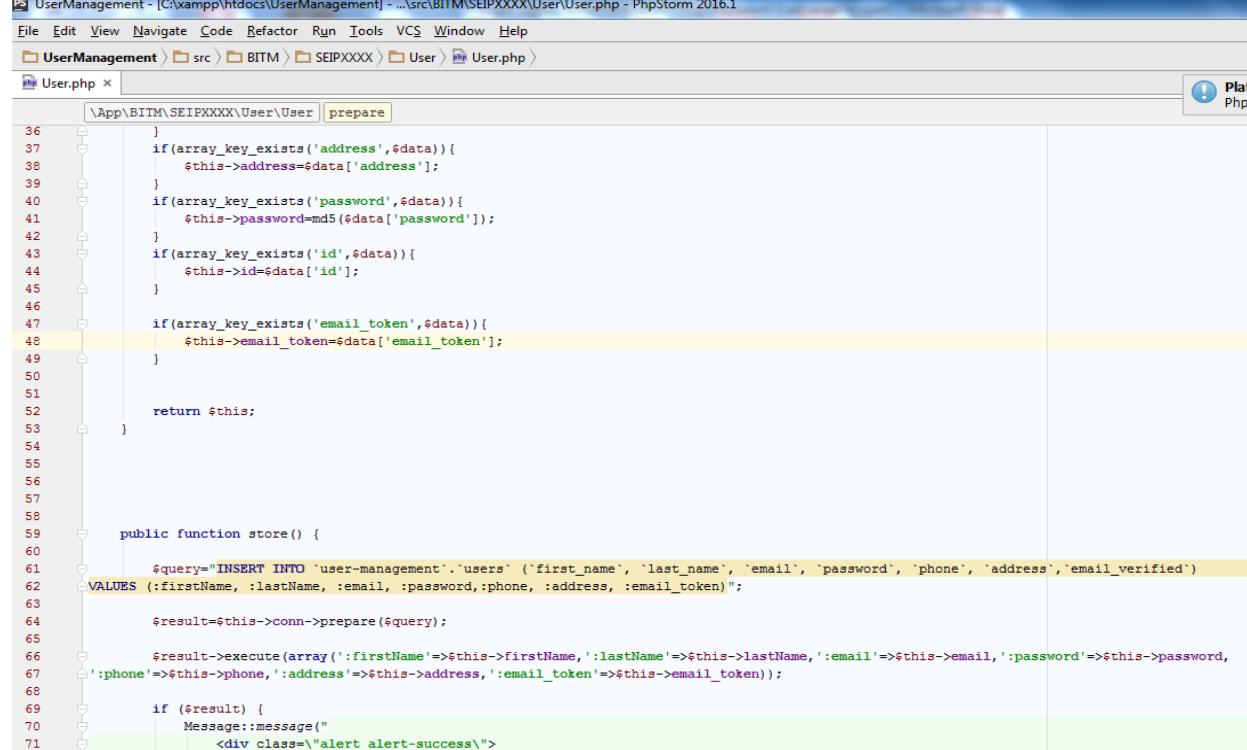
হলো



```

UserManagement - [C:\xampp\htdocs\UserManagement] - ...src\BITM\SEIPXXXX\User\User.php - PhpStorm 2016.1
File Edit View Navigate Code Refactor Run Tools VCS Window Help
UserManagement > src > BITM > SEIPXXXX > User > User.php
User.php x
\App\BITM\SEIPXXXX\User\User
1 <?php
2 namespace App\BITM\SEIPXXXX\User;
3 use App\BITM\SEIPXXXX\Message\Message;
4 use App\BITM\SEIPXXXX\Utility\Utility;
5 use App\BITM\SEIPXXXX\Model\Database as DB;
6 use PDO;
7
8
9 class User extends DB{
10     public $table="users";
11     public $firstName="";
12     public $lastName="";
13     public $email="";
14     public $phone="";
15     public $address="";
16     public $password="";
17     public $id="";
18     public $email_token="";
19
20     public function __construct(){
21         parent::__construct();
22     }
23
24     public function prepare($data=array()){
25         if(array_key_exists('first_name',$data)){
26             $this->firstName=$data['first_name'];
27         }
28         if(array_key_exists('last_name',$data)){
29             $this->lastName=$data['last_name'];
30         }
31         if(array_key_exists('email',$data)){
32             $this->email=$data['email'];
33         }
34         if(array_key_exists('phone',$data)){
35             $this->phone=$data['phone'];
36         }
}

```

```

UserManagement - [C:\xampp\htdocs\UserManagement] - ...src\BITM\SEIPXXXX\User\User.php - PhpStorm 2016.1
File Edit View Navigate Code Refactor Run Tools VCS Window Help
UserManagement > src > BITM > SEIPXXXX > User > User.php
User.php x
\App\BITM\SEIPXXXX\User\User)prepare
36     }
37     if(array_key_exists('address',$data)){
38         $this->address=$data['address'];
39     }
40     if(array_key_exists('password',$data)){
41         $this->password=md5($data['password']);
42     }
43     if(array_key_exists('id',$data)){
44         $this->id=$data['id'];
45     }
46
47     if(array_key_exists('email_token',$data)){
48         $this->email_token=$data['email_token'];
49     }
50
51
52     return $this;
53 }
54
55
56
57
58
59     public function store() {
60
61         $query="INSERT INTO `user-management`.`users` (`first_name`, `last_name`, `email`, `password`, `phone`, `address`, `email_verified`)
VALUES (:firstName, :lastName, :email, :password,:phone, :address, :email_token)";
62
63         $result=$this->conn->prepare($query);
64
65         $result->execute(array(':firstName'=>$this->firstName,':lastName'=>$this->lastName,':email'=>$this->email,':password'=>$this->password,
':phone'=>$this->phone,':address'=>$this->address,':email_token'=>$this->email_token));
66
67         if ($result) {
68             Message::message(
69                 <div class="alert alert-success">

```

UserManagement - [C:\xampp\htdocs\UserManagement] - ...src\BITM\SEIPXXXX\User\User.php - PhpStorm 2016.1

File Edit View Navigate Code Refactor Run Tools VCS Window Help
 UserManagement > src > BITM > SEIPXXXX > User > User.php >

```

User.php x
\App\BITM\SEIPXXXX\User\User| prepare

70     Message::message("
71         <div class=\"alert alert-success\">
72             <strong>Success!</strong> Data has been stored successfully, Please check your email and active your account.
73         </div>");
74     return Utility::redirect($_SERVER['HTTP_REFERER']);
75 } else {
76     Message::message("
77         <div class=\"alert alert-danger\">
78             <strong>Failed!</strong> Data has not been stored successfully.
79         </div>");
80     return Utility::redirect($_SERVER['HTTP_REFERER']);
81 }
82 }

83 public function change_password(){
84     $query="UPDATE `user-management`.`users` SET `password`=:password WHERE `users`.`email` =:email";
85     $result=$this->conn->prepare($query);
86     $result->execute(array(':password'=>$this->password, ':email'=>$this->email));
87
88     if($result){
89         Message::message("
90             <div class=\"alert alert-info\">
91                 <strong>Success!</strong> Password has been updated successfully.
92             </div>");
93         // Utility::redirect('.....views\SEIPXXXX\User\Profile\signup.php');
94     }
95     else {
96         echo "Error";
97     }
98 }
99

100 }

101 public function view(){
102     $query="SELECT * FROM `users` WHERE `users`.`email` =:email";
103     $result=$this->conn->prepare($query);
104     $result->execute(array(':email'=>$this->email));

```

UserManagement - [C:\xampp\htdocs\UserManagement] - ...src\BITM\SEIPXXXX\User\User.php - PhpStorm 2016.1

File Edit View Navigate Code Refactor Run Tools VCS Window Help
 UserManagement > src > BITM > SEIPXXXX > User > User.php >

```

User.php x
\App\BITM\SEIPXXXX\User\User| prepare

105     $result->execute(array(':email'=>$this->email));
106     $row=$result->fetch(PDO::FETCH_OBJ);
107     return $row;
108 // end of view()

109

110 public function validTokenUpdate(){
111     $query="UPDATE `user-management`.`users` SET `email_verified`='Yes' WHERE `users`.`email` =:email";
112     $result=$this->conn->prepare($query);
113     $result->execute(array(':email'=>$this->email));

114     if($result){
115         Message::message("
116             <div class=\"alert alert-success\">
117                 <strong>Success!</strong> Email verification has been successful. Please login now!
118             </div>");
119     }
120     else {
121         echo "Error";
122     }
123     return Utility::redirect('.....views\SEIPXXXX\User\Profile\signup.php');
124 }
125

126 public function update(){

127     $query="UPDATE `user-management`.`users` SET `first_name`=:firstName, `last_name` =:lastName , `email` =:email, `phone` = :phone,
128     `address` =:address WHERE `users`.`email` =:email";
129
130     $result=$this->conn->prepare($query);
131
132     $result->execute(array(':firstName'=>$this->firstName, ':lastName'=>$this->lastName, ':email'=>$this->email, ':phone'=>$this->phone,
133     ':address'=>$this->address, ':email_token'=>$this->email_token));
134
135     if($result){
136         Message::message("
137             <div class=\"alert alert-info\">
```

PS UserManagement - [C:\xampp\htdocs\UserManagement] - ...src\BITM\SEIPXXXX\User\User.php - PhpStorm 2016.1

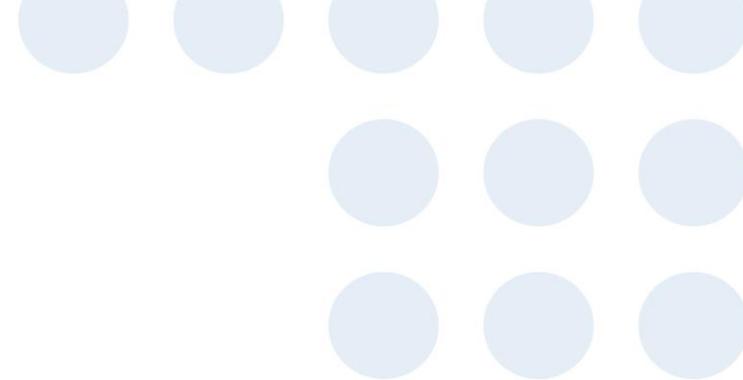
File Edit View Navigate Code Refactor Run Tools VCS Window Help

UserManagement > src > BITM > SEIPXXXX > User > User.php

User.php x

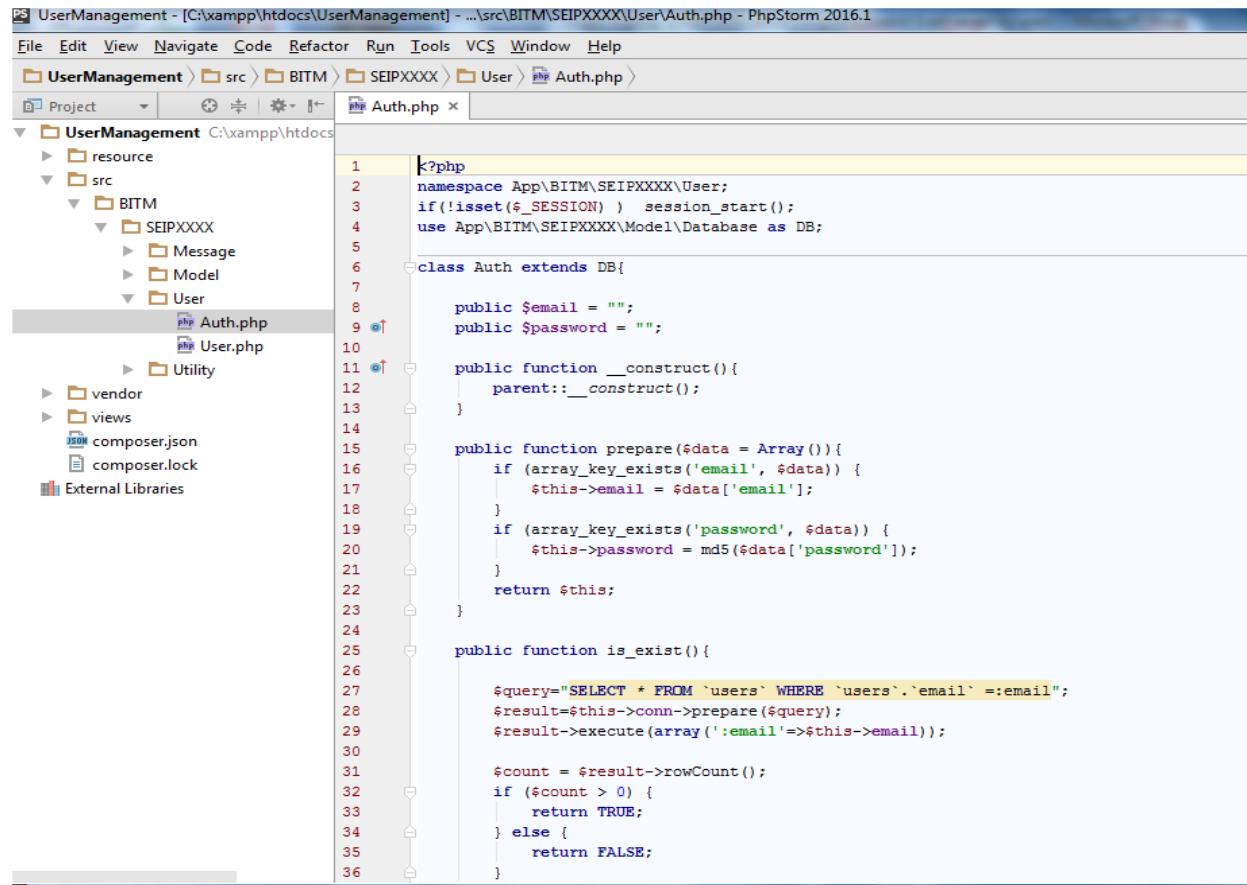
```

122     else {
123         echo "Error";
124     }
125     return Utility::redirect('...../views/SEIPXXXX/User/Profile/signup.php');
126 }
127
128 public function update(){
129
130     $query="UPDATE `user-management`.`users` SET `first_name`=:firstName, `last_name` =:lastName , `email` =:email, `phone` = :phone,
131     `address` =:address WHERE `users`.`email` = :email";
132
133     $result=$this->conn->prepare($query);
134
135     $result->execute(array(':firstName'=>$this->firstName,':lastName'=>$this->lastName,':email'=>$this->email,':phone'=>$this->phone,
136     ':address'=>$this->address,':email_token'=>$this->email_token));
137
138     if($result){
139         Message::message("Success! Data has been updated successfully.");
140     }
141     else {
142         echo "Error";
143     }
144     return Utility::redirect($_SERVER['HTTP_REFERER']);
145 }
146
147
148 }
149
150 }
```



অতঃপর PhpStorm IDE তে User ফোল্ডারের ভিত্তির Auth.php class ফাইল তৈরী করা

হলো:



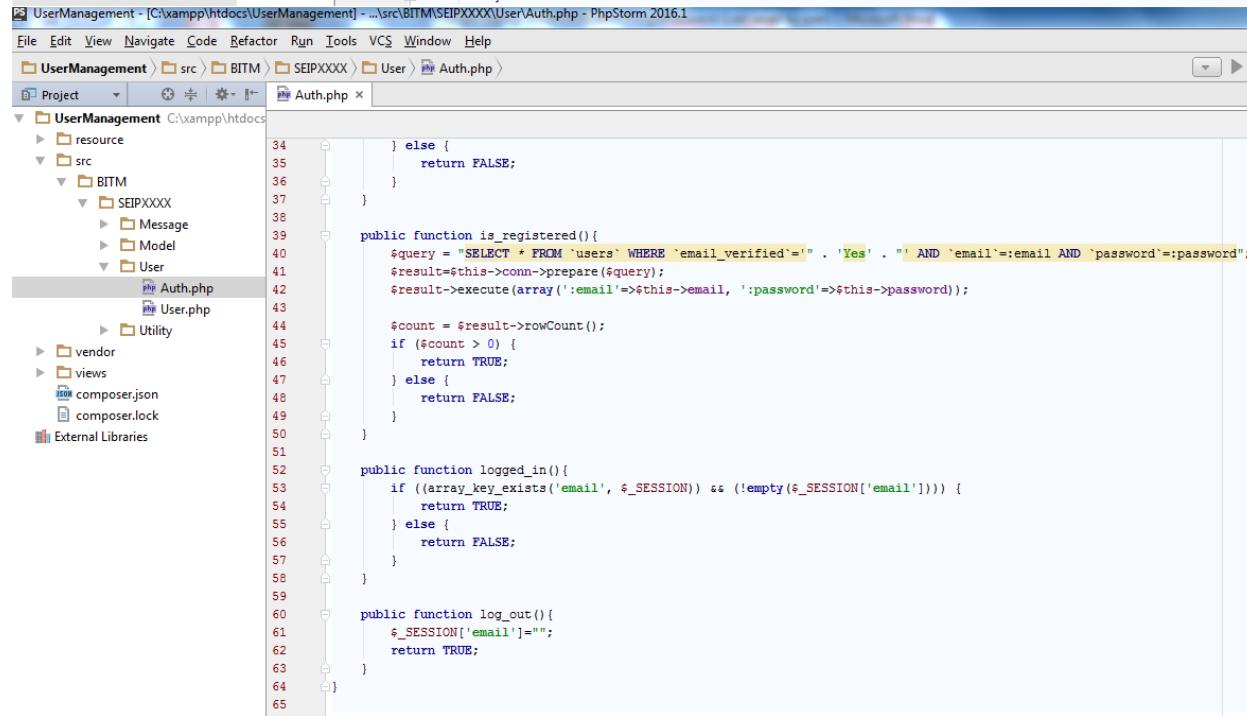
```

UserManagement - [C:\xampp\htdocs\UserManagement] - ...\\src\\BITM\\SEIPXXXX\\User\\Auth.php - PhpStorm 2016.1

File Edit View Navigate Code Refactor Run Tools VCS Window Help
UserManagement src BITM SEIPXXXX User Auth.php
Project Auth.php

1 1?php
2 namespace App\BITM\SEIPXXXX\User;
3 if(!isset($_SESSION) ) session_start();
4 use App\BITM\SEIPXXXX\Model\Database as DB;
5
6 class Auth extends DB{
7
8     public $email = "";
9
10    public function __construct(){
11        parent::__construct();
12    }
13
14    public function prepare($data = Array()){
15        if (array_key_exists('email', $data)) {
16            $this->email = $data['email'];
17        }
18        if (array_key_exists('password', $data)) {
19            $this->password = md5($data['password']);
20        }
21        return $this;
22    }
23
24    public function is_exist(){
25
26        $query="SELECT * FROM `users` WHERE `users`.`email` =:email";
27        $result=$this->conn->prepare($query);
28        $result->execute(array(':email'=>$this->email));
29
30        $count = $result->rowCount();
31        if ($count > 0) {
32            return TRUE;
33        } else {
34            return FALSE;
35        }
36    }

```



```

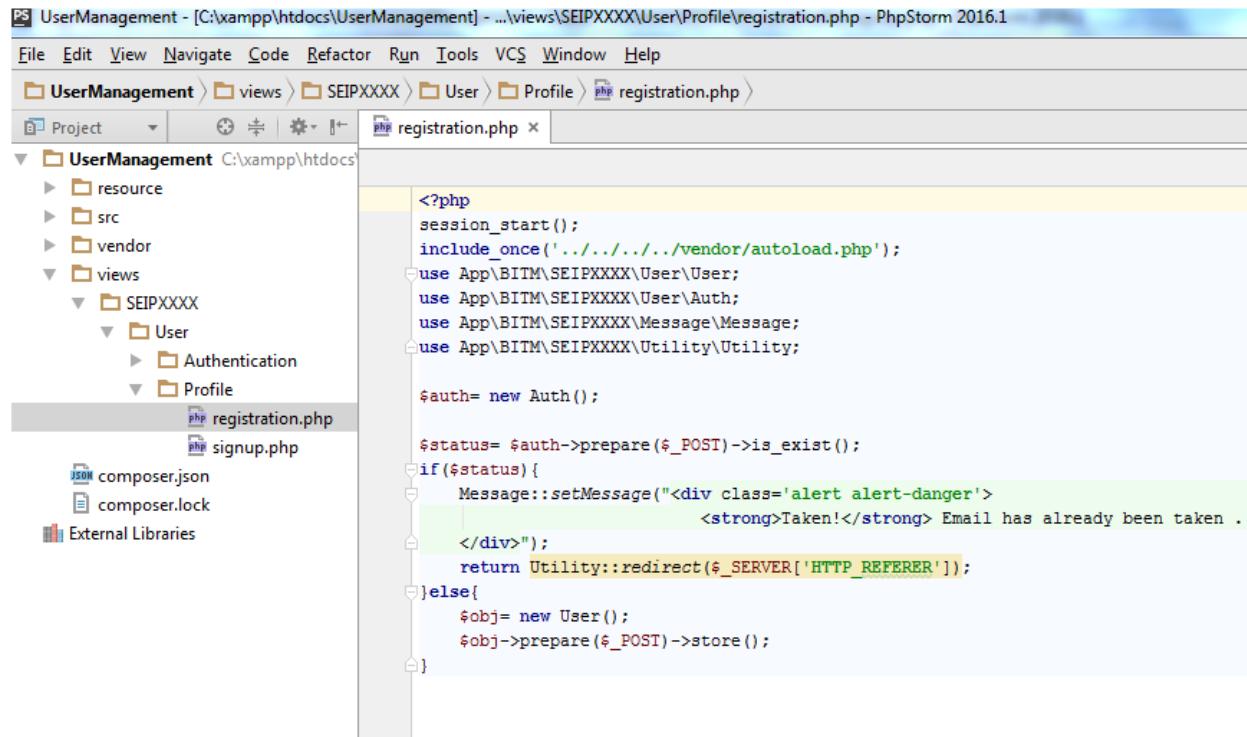
UserManagement - [C:\xampp\htdocs\UserManagement] - ...\\src\\BITM\\SEIPXXXX\\User\\Auth.php - PhpStorm 2016.1

File Edit View Navigate Code Refactor Run Tools VCS Window Help
UserManagement src BITM SEIPXXXX User Auth.php
Project Auth.php

34    } else {
35        return FALSE;
36    }
37
38    public function is_registered(){
39        $query = "SELECT * FROM `users` WHERE `email_verified`='Yes' AND `email`=:email AND `password`=:password";
40        $result=$this->conn->prepare($query);
41        $result->execute(array(':email'=>$this->email, ':password'=>$this->password));
42
43        $count = $result->rowCount();
44        if ($count > 0) {
45            return TRUE;
46        } else {
47            return FALSE;
48        }
49    }
50
51    public function logged_in(){
52        if ((array_key_exists('email', $_SESSION)) && (!empty($_SESSION['email']))){
53            return TRUE;
54        } else {
55            return FALSE;
56        }
57    }
58
59    public function log_out(){
60        $_SESSION['email']=("");
61        return TRUE;
62    }
63
64}
65

```

অতঃপর PhpStorm IDE তে Profile ফোল্ডারের ভিতর registration.php ফাইল তৈরী করা হলো:



The screenshot shows the PhpStorm interface with the following details:

- Project Structure:** The project is named "UserManagement" located at "C:\xampp\htdocs\UserManagement". It contains "resource", "src", "vendor", and "views" folders. The "views" folder has a subfolder "SEIPXXXX" which contains "User" and "Profile" folders. Inside "Profile", there are "registration.php" and "signup.php" files.
- File Explorer:** Shows "composer.json", "composer.lock", and "External Libraries".
- Code Editor:** The "registration.php" file is open. The code handles user registration, checking if an email already exists. If it does, an error message is displayed: "**Taken!** Email has already been taken .". If it doesn't, a new user object is created and stored.

```

<?php
session_start();
include_once('../../../vendor/autoload.php');
use App\BITM\SEIPXXXX\User\User;
use App\BITM\SEIPXXXX\User\Auth;
use App\BITM\SEIPXXXX\Message\Message;
use App\BITM\SEIPXXXX\Utility\Utility;

$auth= new Auth();

$status= $auth->prepare($_POST)->is_exist();

if($status){
    Message::setMessage("<div class='alert alert-danger'>
        <strong>Taken!</strong> Email has already been taken .
    </div>");
    return Utility::redirect($_SERVER['HTTP_REFERER']);
} else{
    $obj= new User();
    $obj->prepare($_POST)->store();
}

```

এবার signup.php ফাইল XAMPP দিয়ে চালু করি ও Test User হিসাবে signup করার চেষ্টা করিঃ



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Sign up now

Fill in the form below to get instant access:



Signup বাটন ক্লিক করার পর আমরা Success! Data has been inserted successfully মেসেজ পাই।

Success! Data has been stored successfully.

Login to our site

Enter username and password to log on:



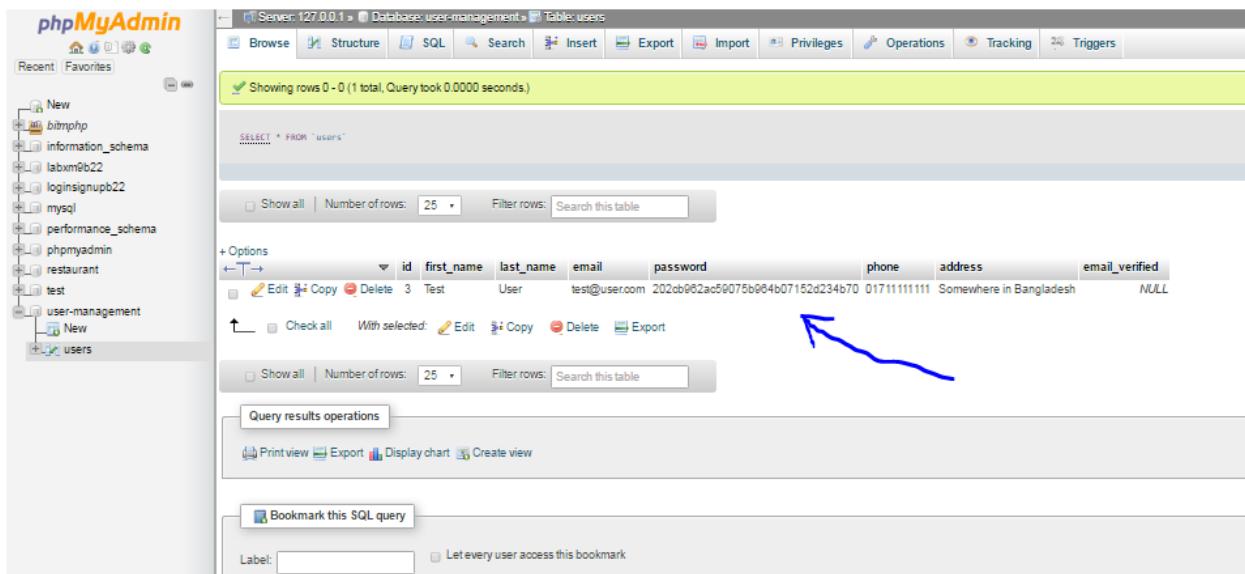
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আরও নিশ্চিত হওয়ার জন্য আমরা phpMyAdmin গিয়ে ডাটাবেজ এর users টেবিল দেখি ডাটা insert হয়েছে কিনা:



The screenshot shows the phpMyAdmin interface for the 'user-management' database. The 'users' table is selected. A single row is visible in the data grid:

	id	first_name	last_name	email	password	phone	address	email_verified
3	Test	User		test@user.com	202cb962ac59075b984b07152d234b70	01711111111	Somewhere in Bangladesh	NULL

A blue arrow points from the text above to the 'email_verified' column value 'NULL'.

১.৩) ইউজার এর প্রদত্ত Email ঠিকানায় Email Verification লিঙ্ক প্রেরণ এবং Email Verification সম্পন্ন করা ইউজারদের আসল ইউজার হিসাবে ট্যাগ করতঃ Log In পরবর্তী সুবিধা প্রদান।

কার্যপদ্ধতি: ইউজার এর প্রদত্ত Email Address ভেলিড কিনা এটা নিশ্চিত করতে রেজিষ্ট্রেশন এর সময় আমরা ইউজারকে একটি Email verification link তার email address এ প্রেরণ করবো এবং উক্ত link এর সাথে প্রেরিত টোকেনটি ডাটাবেজের 'users' table এ email_verified ফিল্ডে সংরক্ষন করব।

registration.php ফাইলটিতে আমরা verification link ইউজারকে ইমেইল করার জন্য কিছু কোড যোগ করবো:

```

registration.php x

<?php
include_once('../../../vendor/autoload.php');
use App\BITM\SEIPXXXX\User\User;
use App\BITM\SEIPXXXX\User\Auth;
use App\BITM\SEIPXXXX\Message\Message;
use App\BITM\SEIPXXXX\Utility\Utility;
$auth= new Auth();
$status= $auth->prepare($_POST)->is_exist();
if($status){
    Message::setMessage("<div class='alert alert-danger'>
<strong>Taken!</strong> Email has already been taken. </div>");
    return Utility::redirect($_SERVER['HTTP_REFERER']);
}
else{
    $_POST['email_token'] = md5(uniqid(rand()));
    $obj= new User();
    $obj->prepare($_POST)->store();
    require '../../../vendor/phpmailer/phpmailer/PHPMailerAutoload.php';
    $mail = new PHPMailer();
    $mail->IsSMTP();
    $mail->SMTPDebug = 0;
    $mail->SMTPAuth = true;
    $mail->SMTPSecure = "ssl";
    $mail->Host = "smtp.gmail.com";
    $mail->Port = 465;
    $mail->AddAddress($_POST['email']);
    $mail->Username="bitm.php22@gmail.com";
    $mail->Password="PASSWORD";
    $mail->SetFrom('bitm.php22@gmail.com','User Management');
    $mail->AddReplyTo("bitm.php22@gmail.com","User Management");
    $mail->Subject = "Your Account Activation Link";
    $message = "Please click this link to verify your account:
    http://localhost/UserManagement/views/SEIPXXXX/User/Profile/emailverification.php?email=".$_POST['email']."&email_token=".$_POST['email_token'];
    $mail->MsgHTML($message);
    $mail->Send();
}

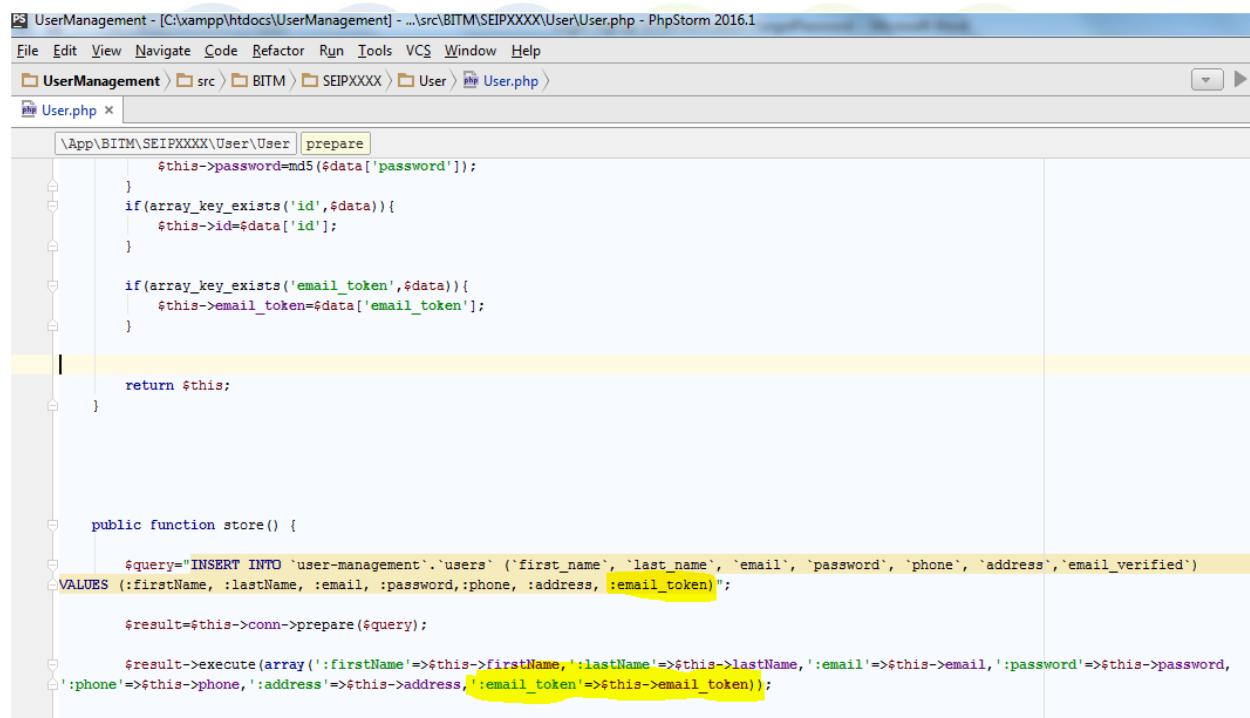
$_POST['email_token'] = md5(uniqid(rand()));
$obj= new User();
$obj->prepare($_POST)->store();

```

আমরা registration.php ফাইলে `$_POST` array-তে email_token নামক নতুন একটি key তে random value রেখেছি যা আমাদের database-এ `users` table-এর `email_verified` ফিল্ডে সংরক্ষণ করা প্রয়োজন, তাই আমরা User.php class ফাইলে prepare() ও store() কিছু আপডেট করবো।

```

class User extends DB{
    public $table="users";
    public $firstName="";
    public $lastName="";
    public $email="";
    public $phone="";
    public $address="";
    public $password="";
    public $id="";
    public $email_token="";
}
  
```



```

class User extends DB{
    public $table="users";
    public $firstName="";
    public $lastName="";
    public $email="";
    public $phone="";
    public $address="";
    public $password="";
    public $id="";
    public $email_token="";

    public function prepare()
    {
        $this->password=md5($data['password']);
        if(array_key_exists('id',$data)){
            $this->id=$data['id'];
        }

        if(array_key_exists('email_token',$data)){
            $this->email_token=$data['email_token'];
        }
    }

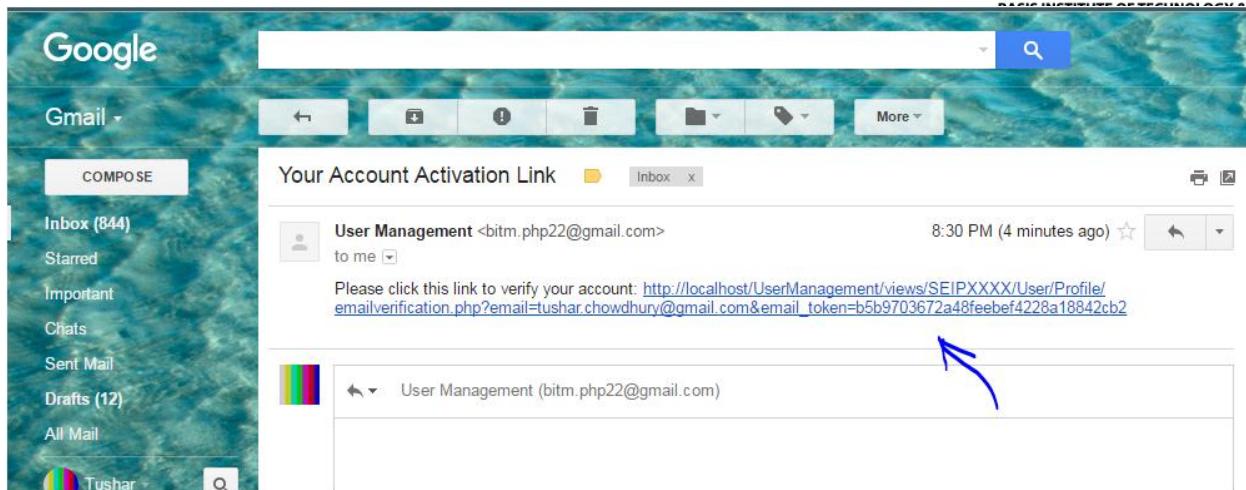
    return $this;
}

public function store()
{
    $query="INSERT INTO `user-management`.`users` (`first_name`, `last_name`, `email`, `password`, `phone`, `address`,`email_verified`)";
    VALUES (:firstName, :lastName, :email, :password,:phone, :address, :email_token);

    $result=$this->conn->prepare($query);

    $result->execute(array(':firstName'=>$this->firstName,':lastName'=>$this->lastName,':email'=>$this->email,':password'=>$this->password,
        ':phone'=>$this->phone,':address'=>$this->address,':email_token'=>$this->email_token));
}
  
```

এখন আমাদের PHP App টি নতুন signup কারীদের প্রদত্ত ইমেইলে একটি Activation Link প্রেরণ করতে পারে কিনা এবং database এ Token টি save হচ্ছে কিনা আমরা এখন তা পরিষ্কা করে দেখবো:

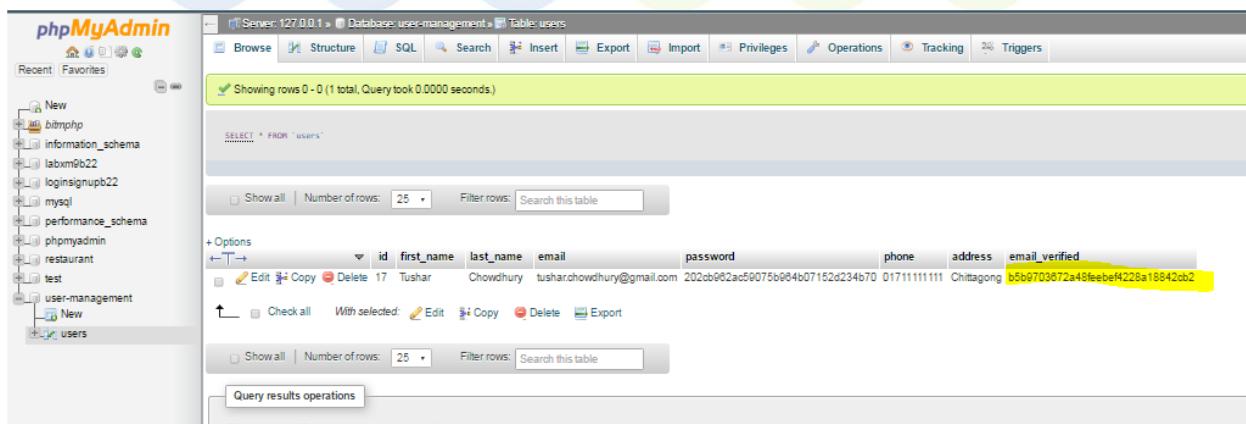


Your Account Activation Link

User Management <bitm.php22@gmail.com> to me 8:30 PM (4 minutes ago)

Please click this link to verify your account: http://localhost/UserManagement/views/SEIPXXXX/User/Profile/emailverification.php?email=tushar.chowdhury@gmail.com&email_token=b5b9703672a48feebef4228a18842cb2

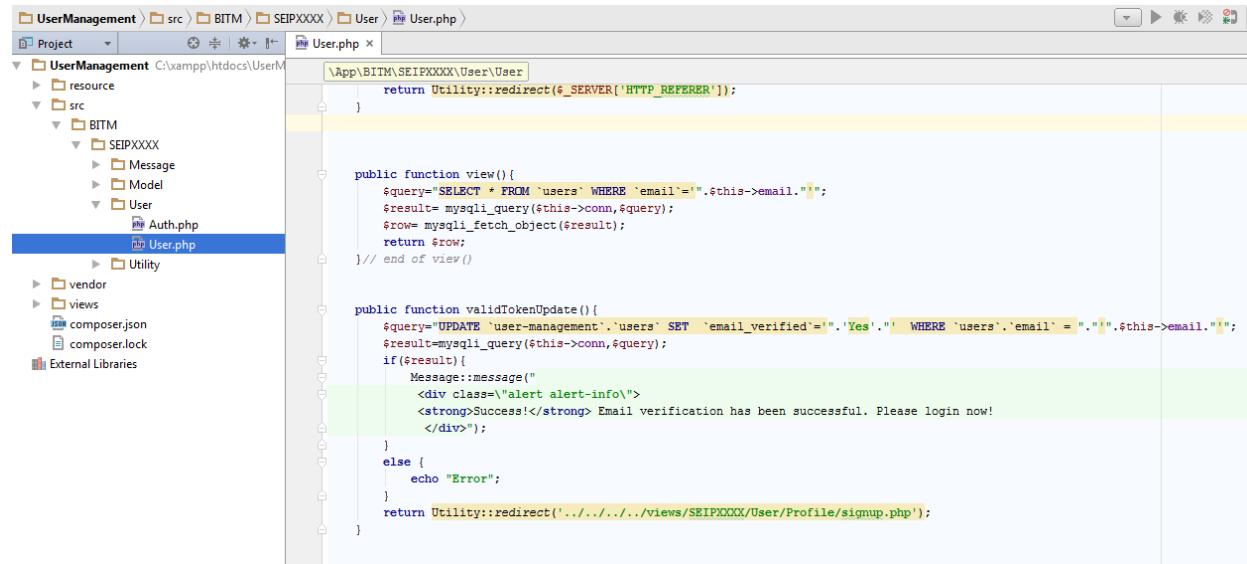
User Management (bitm.php22@gmail.com)



	id	first_name	last_name	email	password	phone	address	email_verified
	17	Tushar	Chowdhury	tushar.chowdhury@gmail.com	202cb982ac59075b984b07152d234b70	01711111111	Chittagong	b5b9703672a48feebef4228a18842cb2

নতুন ইউজার sign up পর দেখা গেল ইউজারের ইমেইলে একটি Account Activation Link গিয়েছে এবং Database এ Token সংরক্ষিত হয়েছে।

এখন আমাদের ইউজাররা যাতে Account Activation Link এক্সীক করে তার Account টি Activate করতে পারে সে ব্যবস্থা করতে User.php class file এ view() , validTokenUpdate() লিখি এবং emailverification.php ফাইল সম্পাদন করিঃ



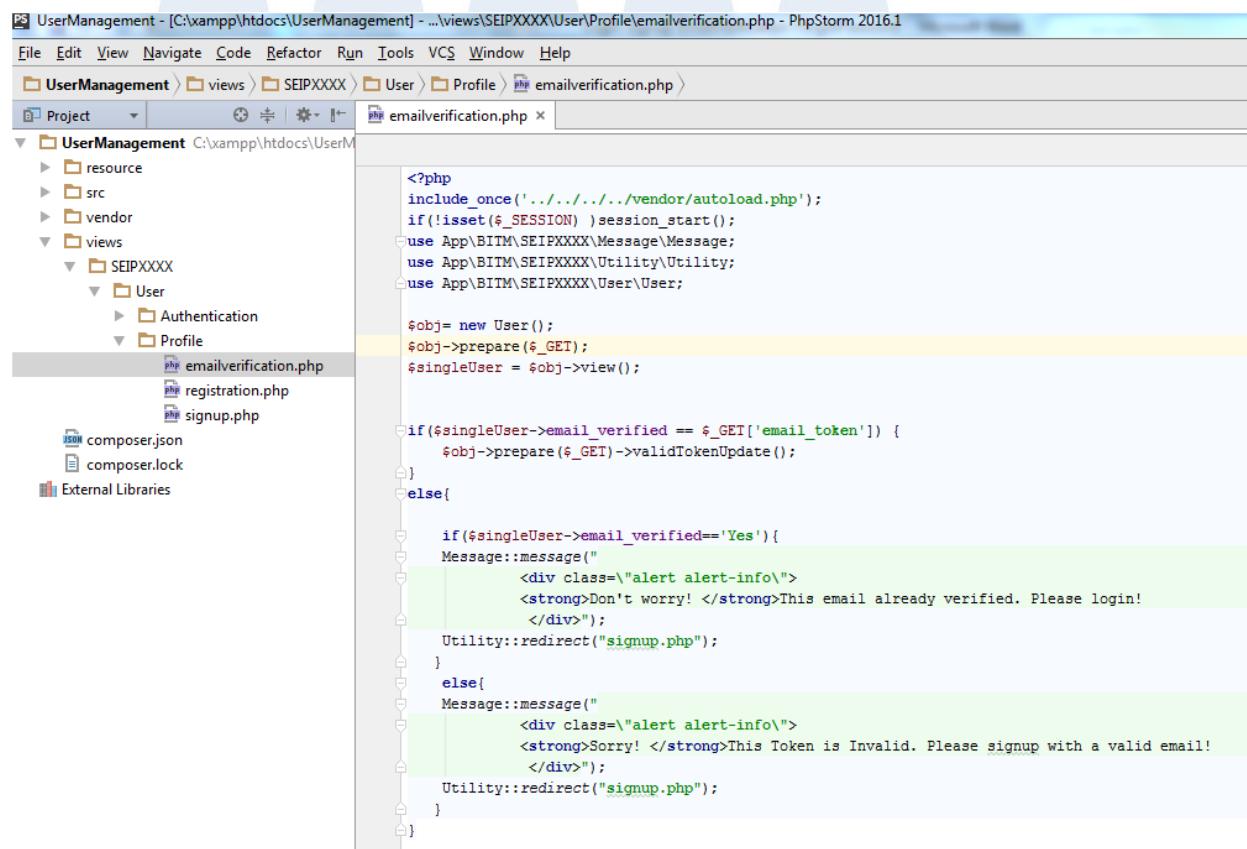
```

UserManagement > src > BITM > SEIPXXXX > User > User.php

public function view(){
    $query="SELECT * FROM `users` WHERE `email`='".$this->email."'";
    $result= mysqli_query($this->conn,$query);
    $row= mysqli_fetch_object($result);
    return $row;
}// end of view()

public function validTokenUpdate(){
    $query="UPDATE `user-management`.`users` SET `email_verified`='Yes' WHERE `users`.`email` = '".$this->email."'";
    $result=mysqli_query($this->conn,$query);
    if($result){
        Message::message(
            <div class="alert alert-info">
                <strong>Success!</strong> Email verification has been successful. Please login now!
            </div>
        );
    } else {
        echo "Error";
    }
    return Utility::redirect('.../views/SEIPXXXX/User/Profile/signup.php');
}

```



```

UserManagement - [C:\xampp\htdocs\UserManagement] - ...\views\SEIPXXXX\User\Profile\emailverification.php - PhpStorm 2016.1

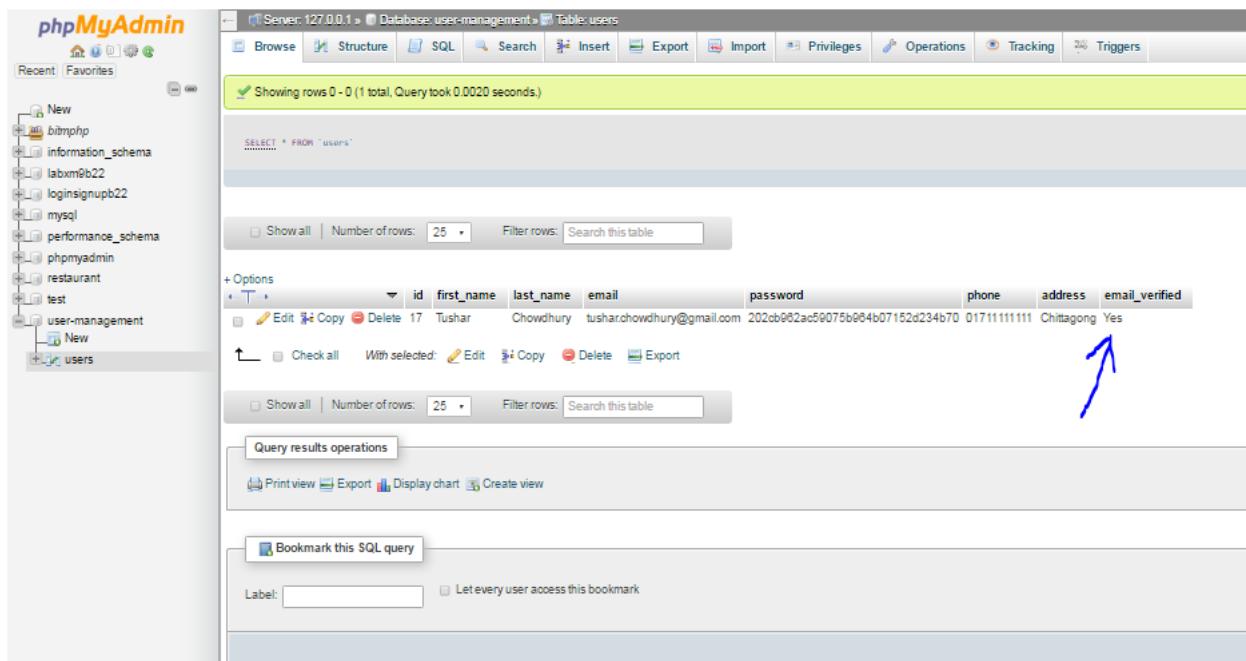
<?php
include_once '../../../../../vendor/autoload.php';
if(!isset($_SESSION)) session_start();
use App\BITM\SEIPXXXX\Message\Message;
use App\BITM\SEIPXXXX\Utility\Utility;
use App\BITM\SEIPXXXX\User\User;

$obj= new User();
$obj->prepare($_GET);
$singleUser = $obj->view();

if($singleUser->email_verified == $_GET['email_token']) {
    $obj->prepare($_GET)->validTokenUpdate();
} else{
    if($singleUser->email_verified=='Yes'){
        Message::message(
            <div class="alert alert-info">
                <strong>Don't worry!</strong> This email already verified. Please login!
            </div>
        );
        Utility::redirect("signup.php");
    } else{
        Message::message(
            <div class="alert alert-info">
                <strong>Sorry!</strong> This Token is Invalid. Please signup with a valid email!
            </div>
        );
        Utility::redirect("signup.php");
    }
}

```

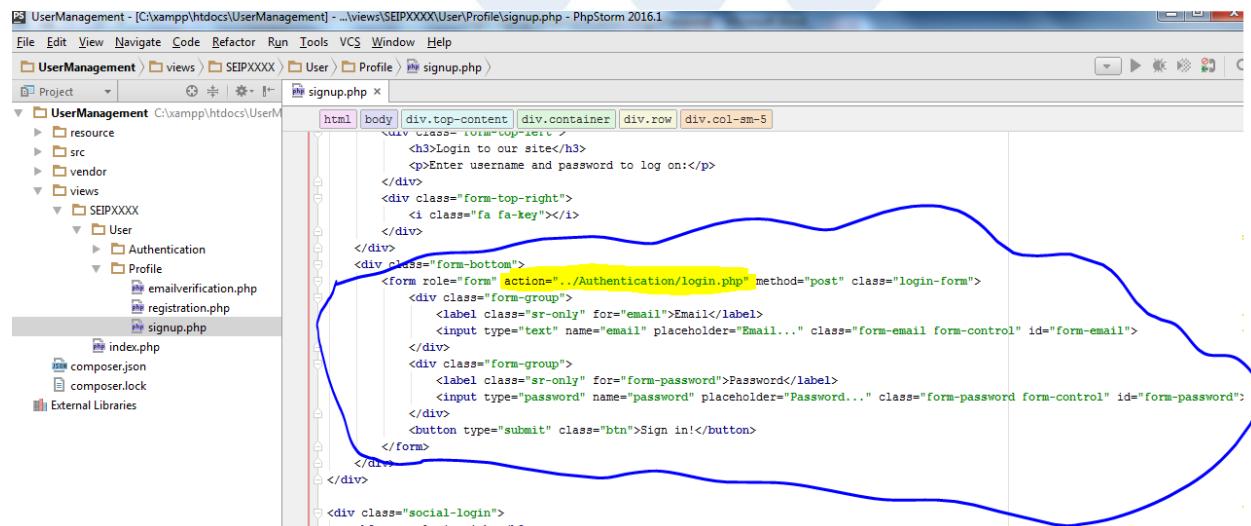
অতঃপর ইউজারের ইমেইলে email activation link এ click করে Account টি Activate করিব।



The screenshot shows the phpMyAdmin interface connected to a MySQL database named 'user-management'. The 'users' table is selected. The table has columns: id, first_name, last_name, email, password, phone, address, and email_verified. A single row is visible with the following values: id=17, first_name=Tushar, last_name=Chowdhury, email=tushar.chowdhury@gmail.com, password=202cb982ac59075b084b07152d234b70, phone=01711111111, address=Chittagong, and email_verified=Yes.

২) UserManagement নামক একটি উদাহরণ প্রজেক্ট এর জন্য ইউজার Log In ফর্ম তৈরী ও প্রদত্ত ডাটা Verification এর মাধ্যমে ইউজার অথেন্টিকেশন সম্পন্ন করন।

কার্যপদ্ধতি: signup.php ফাইলে আমরা পূর্বেই login form রেডি করা আছে। আমরা user name হিসাবে ইমেইল নিবো তাই login form এ উক্ত input type text এবং নাম দিলাম name="email"

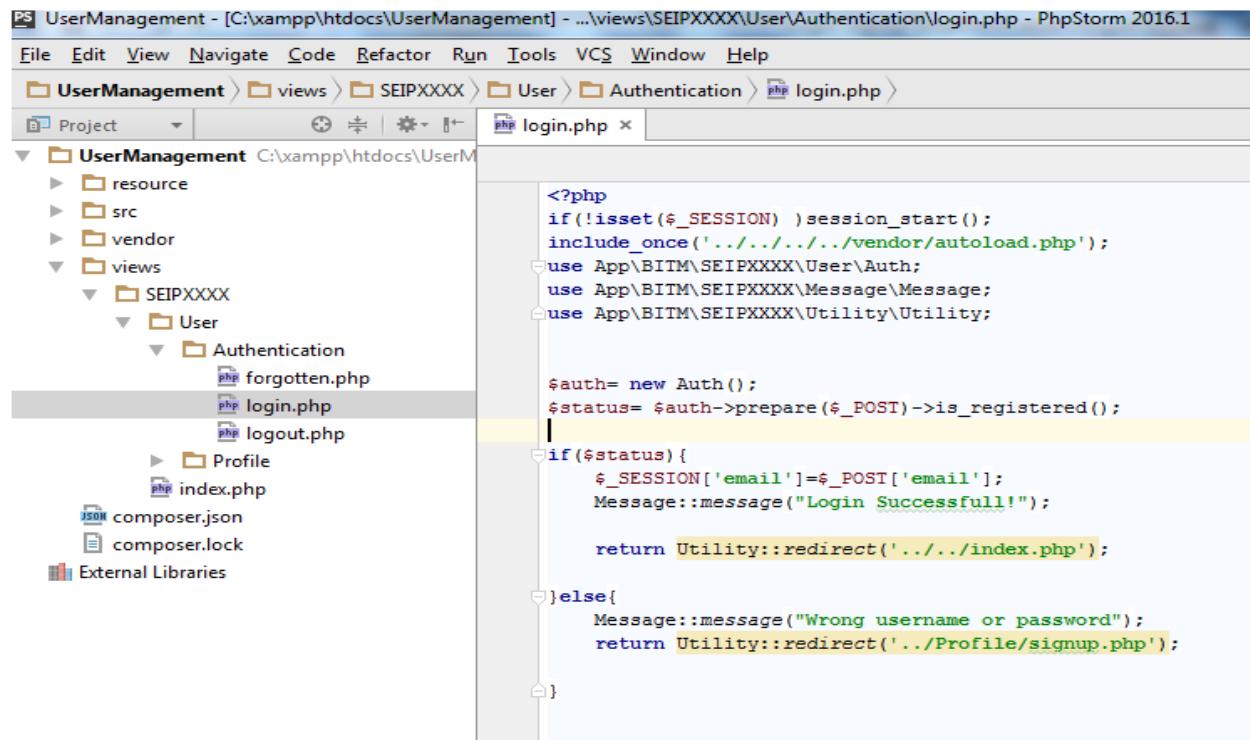


```

UserManagement - [C:\xampp\htdocs\UserManagement] - ...views\SEIPXXXX\User\Profile\signup.php - PhpStorm 2016.1
File Edit View Navigate Code Refactor Run Tools VCS Window Help
UserManagement views SEIPXXXX User Profile signup.php
Project C:\xampp\htdocs\UserManagement
html body div.top-content div.container div.row div.col-sm-5
    h3>Login to our site!
    p>Enter username and password to log on:
    div.form-top-right i.fa-key
    div.form-bottom
        form role="form" action="../../Authentication/login.php" method="post" class="login-form">
            div.form-group
                label sr-only for="email">Email
                input type="text" name="email" placeholder="Email..." class="form-email form-control" id="form-email">
            div.form-group
                label sr-only for="password">Password
                input type="password" name="password" placeholder="Password..." class="form-password form-control" id="form-password">
            button type="submit" class="btn">Sign in!
        form
    div.social-login
        h3>...or login with:

```

এখন আমাদের login form এর মাধ্যমে প্রেরিত ডাটা login.php ফাইলে প্রসেস করবো।



```
<?php
if(!isset($_SESSION)) session_start();
include_once('../vendor/autoload.php');

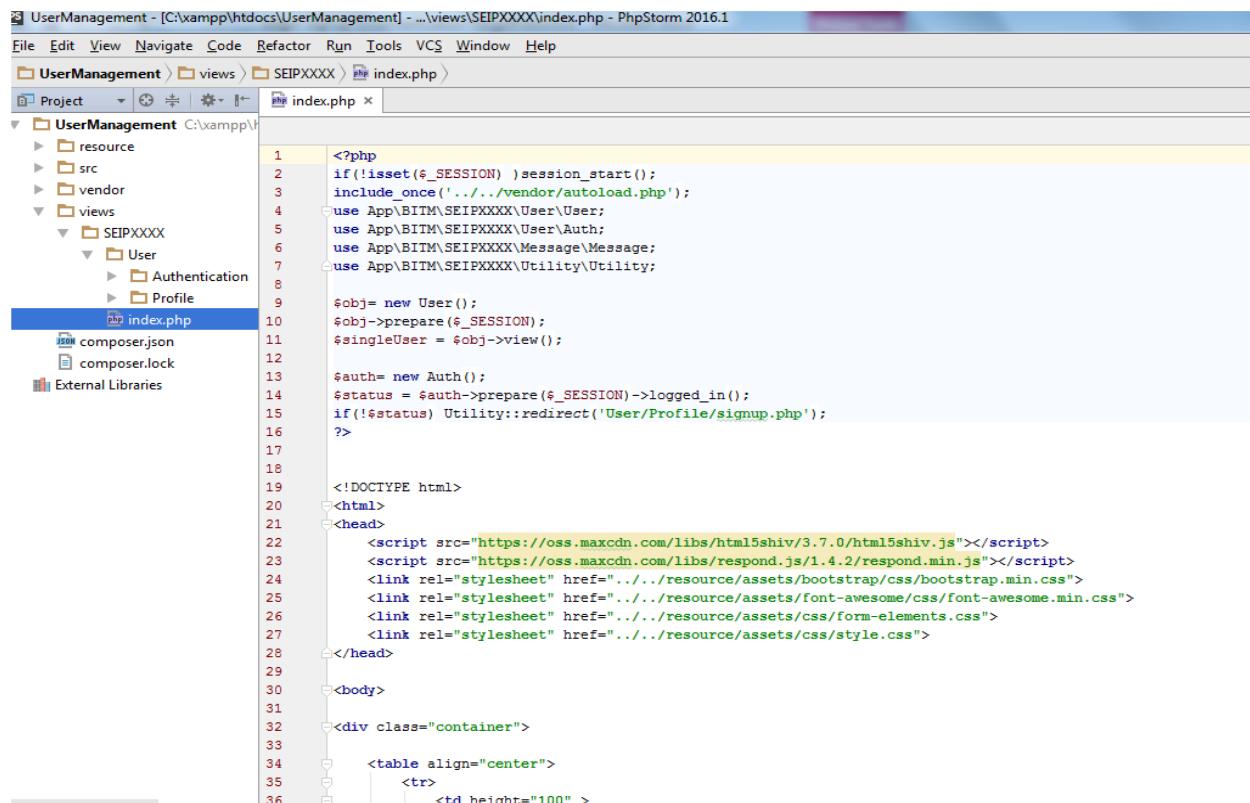
use App\BITM\SEIPXXXX\User\Auth;
use App\BITM\SEIPXXXX\Message\Message;
use App\BITM\SEIPXXXX\Utility\Utility;

$auth= new Auth();
$status= $auth->prepare($_POST)->is_registered();

if($status) {
    $_SESSION['email']=$_POST['email'];
    Message::message("Login Successfull!");

    return Utility::redirect('../index.php');
} else {
    Message::message("Wrong username or password");
    return Utility::redirect('../Profile/signup.php');
}
```

ইউজারের login successful হলে আমরা তাকে index.php ফাইলে নিয়ে যাবো:



```
<?php
if(!isset($_SESSION)) session_start();
include_once('../vendor/autoload.php');

use App\BITM\SEIPXXXX\User\User;
use App\BITM\SEIPXXXX\User\Auth;
use App\BITM\SEIPXXXX\Message\Message;
use App\BITM\SEIPXXXX\Utility\Utility;

$obj= new User();
$obj->prepare($_SESSION);
$singleUser = $obj->view();

$auth= new Auth();
$status = $auth->prepare($_SESSION)->logged_in();
if(!$status) Utility::redirect('User/Profile/signup.php');
?>

<!DOCTYPE html>
<html>
<head>
    <script src="https://oss.maxcdn.com/libs/html5shiv/3.7.0/html5shiv.js"></script>
    <script src="https://oss.maxcdn.com/libs/respond.js/1.4.2/respond.min.js"></script>
    <link rel="stylesheet" href="../../resource/assets/bootstrap/css/bootstrap.min.css">
    <link rel="stylesheet" href="../../resource/assets/font-awesome/css/font-awesome.min.css">
    <link rel="stylesheet" href="../../resource/assets/css/form-elements.css">
    <link rel="stylesheet" href="../../resource/assets/css/style.css">
</head>
<body>
<div class="container">
    <table align="center">
        <tr>
            <td height="100" >
```

UserManagement - [C:\xampp\htdocs\UserManagement] - ...\views\SEIPXXXX\index.php - PhpStorm 2016.1

```

File Edit View Navigate Code Refactor Run Tools VCS Window Help
UserManagement > views > SEIPXXXX > index.php
Project < > * index.php
UserManagement C:\xampp\htdocs\UserManagement
  resource
  src
  vendor
  views
    SEIPXXXX
      User
        Authentication
        Profile
      index.php
    composer.json
    composer.lock
External Libraries

```

```

36   <td height="100" >
37     <div id="message" >
38       <?php if((array_key_exists('message',$_SESSION)&& (!empty($_SESSION['message'])))) {
39         echo " ".Message::message();
40       }
41       Message::message(NULL);
42     ?>
43     </div>
44   </td>
45 </tr>
46 </table>
47
48
49
50
51
52
53   <header class="tab-content">
54     <h1>Hello <?php echo "$singleUser->first_name $singleUser->last_name"?>! </h1>
55   </header>
56
57   <nav>
58     <ul>
59       <li> <a href= "User/Authentication/logout.php" > LOGOUT </a></li>
60     </ul>
61   </nav>
62
63   <article class="alert-danger">
64     <h2>Welcome to the members area... Following content is an example</h2><br>
65     <p>London is the capital city of England. It is the most populous city in the United Kingdom, with a metropolitan
66       area of over 13 million inhabitants.</p>
67     <p>Standing on the River Thames, London has been a major settlement for two millennia, its history going back to its
68       founding by the Romans, who named it Londinium.</p>
69   </article>
70
71   <footer class="alert-success">Copyright @ test-example.com</footer>
72
73 </div>
74
75
76   <!-- Javascript -->
77   <script src=" ../../resource/assets/js/jquery-1.11.1.min.js"></script>
78   <script src=" ../../resource/assets/bootstrap/js/bootstrap.min.js"></script>
79   <script src=" ../../resource/assets/js/jquery.backstretch.min.js"></script>
80   <script src=" ../../resource/assets/js/scripts.js"></script>
81
82   <!--[if lt IE 10]>
83   <script src=" ../../resource/assets/js/placeholder.js"></script>
84   <![endif]-->
85
86 </body>
87
88 <script>
89   $('.alert').slideDown("slow").delay(2000).slideUp("slow");
90 </script>
91
92 </html>
93

```

UserManagement - [C:\xampp\htdocs\UserManagement] - ...\views\SEIPXXXX\index.php - PhpStorm 2016.1

```

File Edit View Navigate Code Refactor Run Tools VCS Window Help
UserManagement > views > SEIPXXXX > index.php
Project < > * index.php
UserManagement C:\xampp\htdocs\UserManagement
  resource
  src
  vendor
  views
    SEIPXXXX
      User
        Authentication
        Profile
      index.php
    composer.json
    composer.lock
External Libraries

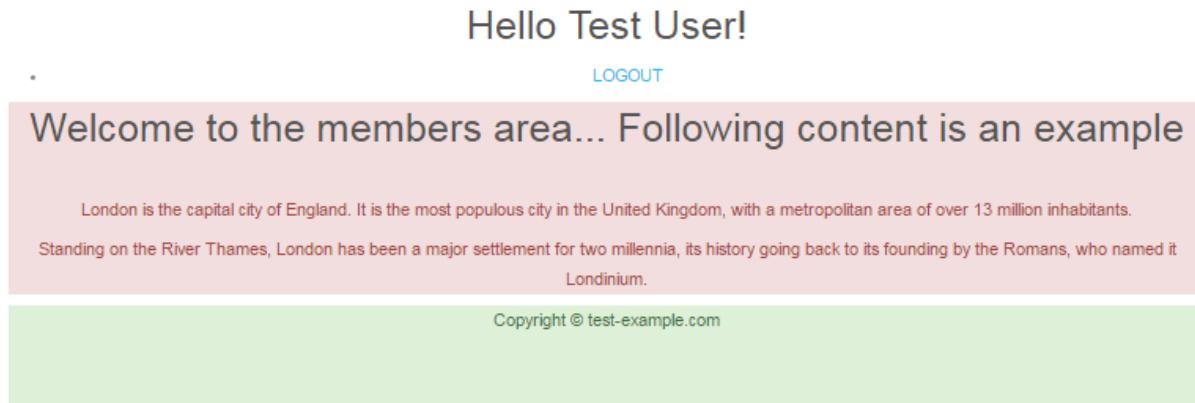
```

```

63   <article class="alert-danger">
64     <h2>Welcome to the members area... Following content is an example</h2><br>
65     <p>London is the capital city of England. It is the most populous city in the United Kingdom, with a metropolitan
66       area of over 13 million inhabitants.</p>
67     <p>Standing on the River Thames, London has been a major settlement for two millennia, its history going back to its
68       founding by the Romans, who named it Londinium.</p>
69   </article>
70
71   <footer class="alert-success">Copyright @ test-example.com</footer>
72
73 </div>
74
75
76   <!-- Javascript -->
77   <script src=" ../../resource/assets/js/jquery-1.11.1.min.js"></script>
78   <script src=" ../../resource/assets/bootstrap/js/bootstrap.min.js"></script>
79   <script src=" ../../resource/assets/js/jquery.backstretch.min.js"></script>
80   <script src=" ../../resource/assets/js/scripts.js"></script>
81
82   <!--[if lt IE 10]>
83   <script src=" ../../resource/assets/js/placeholder.js"></script>
84   <![endif]-->
85
86 </body>
87
88 <script>
89   $('.alert').slideDown("slow").delay(2000).slideUp("slow");
90 </script>
91
92 </html>
93

```

index.php ফাইল:



Hello Test User!

LOGOUT

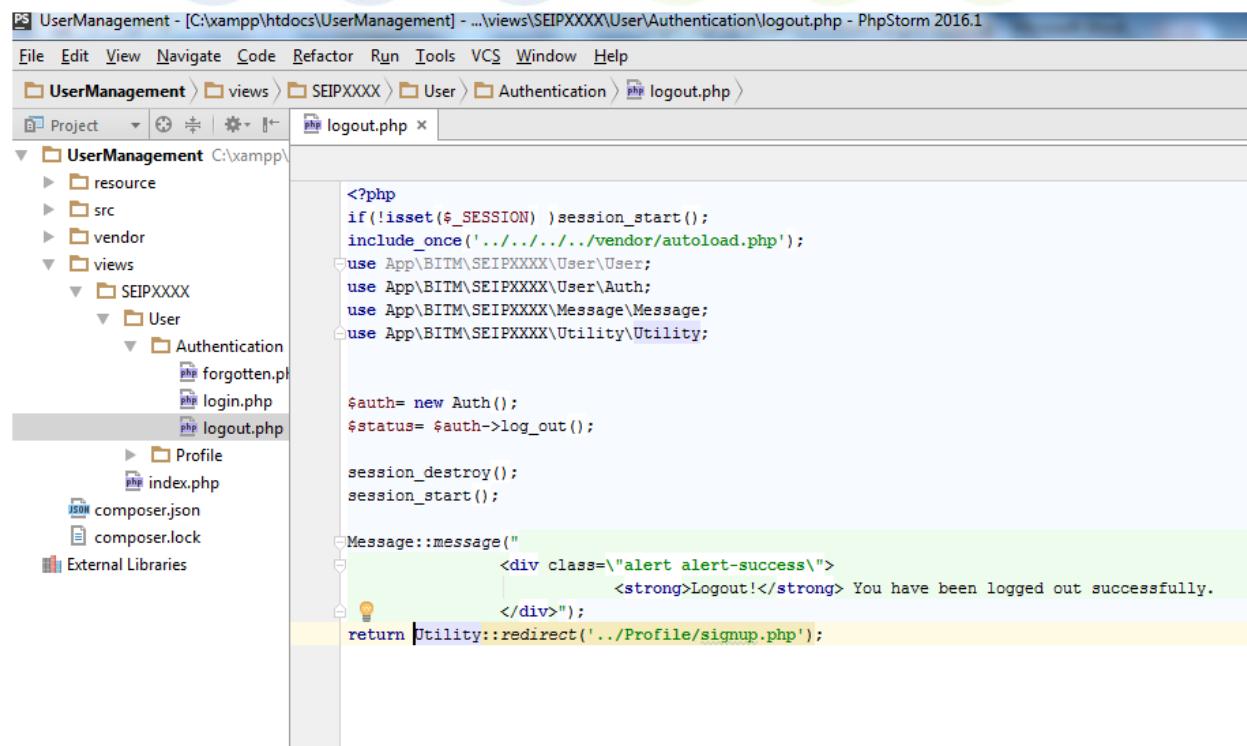
Welcome to the members area... Following content is an example

London is the capital city of England. It is the most populous city in the United Kingdom, with a metropolitan area of over 13 million inhabitants.

Standing on the River Thames, London has been a major settlement for two millennia, its history going back to its founding by the Romans, who named it Londinium.

Copyright © test-example.com

index.php ফাইলে আমরা ইউজারকে Logoff করার option দিয়েছি তাই আমরা এখন logoff.php ফাইল সম্পাদন করে আমাদের PHP App এ উক্ত logoff সূবিধা সংযোজন করবো:



```

<?php
if(!isset($_SESSION) )session_start();
include_once(' ../../../../vendor/autoload.php');
use App\BITM\SEIPXXXX\User\User;
use App\BITM\SEIPXXXX\User\Auth;
use App\BITM\SEIPXXXX\Message\Message;
use App\BITM\SEIPXXXX\Utility\Utility;

$auth= new Auth();
$status= $auth->log_out();

session_destroy();
session_start();

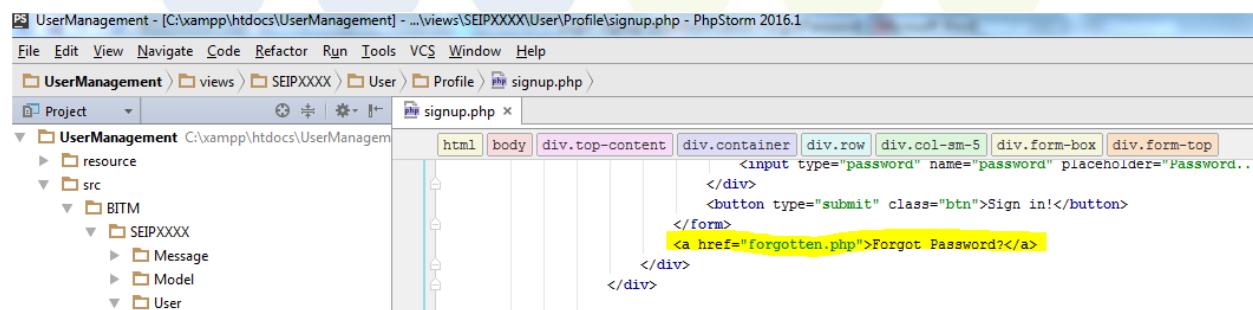
Message::message(" 
    <div class=\"alert alert-success\">
        <strong>Logout!</strong> You have been logged out successfully.
    </div>");
return Utility::redirect('../Profile/signup.php');

```

৩) যদি ইউজার তার Password ভুলে যায় তবে উক্ত ইউজার কে Forgot Password নামক লিঙ্ক করতঃ Sign Up কালীন প্রদত্ত Email ঠিকানা হ্বহ প্রদান সাপেক্ষে উক্ত Email ঠিকানায় নতুন Password প্রতিস্থাপনের সুবিধা প্রদান।

কার্যপদ্ধতিঃ আমরা প্রথমেই signup.php ফাইলে গিয়ে login form এর নিচে Forgot Password? নামক একটি লিঙ্ক তৈরী করবো যা ক্লীক করলে ইউজার forgotten.php ফাইলটি দেখতে পাবে। উক্ত ফাইলে ইউজারকে তার sign up কালীন প্রদত্ত verified email address টি প্রদান করতে হবে। অতঃপর ইউজার যখন Email Me Password Reset Link বাটনে ক্লীক করবে তখন তার email address এ password reset link পাঠানো হবে, যা ক্লীক করলে ইউজার কে নতুন password সেট করার সুযোগ দেয়া হবে।

signup.php ফাইল এ forgot password? লিঙ্ক সংযোজনঃ



The screenshot shows the PhpStorm IDE interface with the project navigation bar at the top. Below it, the file structure of the UserManagement project is visible, including the UserManagement directory, resource, src, and BITM sub-directories. Under BITM, there are SEIPXXXX, Message, Model, and User sub-directories. The current file being edited is 'signup.php'. The code editor displays the HTML structure of the sign-up form. A yellow highlight is placed over the line of code: 'Forgot Password?'. This indicates the specific link that needs to be generated or modified.

Login to our site

Enter username and password to log on:

Sign in!

[Forgot Password?](#)

Sign up now

Fill in the form below to get instant access:

Sign me up!

forgotten.php ফাইল:

Need help with your password?

Please provide us your verified email



[Click Here >> Please Email Me The Password Reset Link << Click Here](#)

UserManagement - [C:\xampp\htdocs\UserManagement] - ...\views\SEIPXXXX\User\Profile\forgotten.php - PhpStorm 2016.1

File Edit View Navigate Code Refactor Run Tools VCS Window Help

UserManagement > views > SEIPXXXX > User > Profile > forgotten.php

forgotten.php x

```

1  <?php
2  if(!isset($_SESSION) )session_start();
3  include_once('../../../vendor/autoload.php');
4  use ...
5
6
7
8
9  if(isset($_POST['email'])) {
10    $obj= new User();
11    $obj->prepare($_POST);
12    $singleUser = $obj->view();
13
14    $passwordResetLink= $singleUser->password ;
15
16    require '../../../../../vendor/phpmailer/phpmailer/PHPMailerAutoload.php';
17    $mail = new PHPMailer();
18    $mail->IsSMTP();
19    $mail->SMTPDebug = 0;
20    $mail->SMTPAuth = true;
21    $mail->SMTPSecure = "ssl";
22    $mail->Host = "smtp.gmail.com";
23    $mail->Port = 465;
24    $mail->AddAddress($_POST['email']);
25    $mail->Username="bitm.php22@gmail.com";
26    $mail->Password="PASSWORD";
27    $mail->SetFrom("bitm.php22@gmail.com",'User Management');
28    $mail->AddReplyTo("bitm.php22@gmail.com","User Management");
29    $mail->Subject = "Your Password Reset Link";
30    $message = "Please click this link to reset your password:  

31    http://localhost/UserManagement/views/SEIPXXXX/User/Profile/resetpassword.php?email=".$_POST['email']."&code=".$singleUser->password;
32    $mail->MsgHTML($message);
33    if($mail->Send()){
34
35      Message::message("
36        <div class=\"alert alert-success\">
37          <strong>Email Sent!</strong> Please check your email for password reset link.
38        </div");

```

UserManagement - [C:\xampp\htdocs\UserManagement] - ...\views\SEIPXXXX\User\Profile\forgotten.php - PhpStorm 2016.1

```

36         <div class="alert alert-success">
37             <strong>Email Sent!</strong> Please check your email for password reset link.
38         </div>;
39     }
40
41     ?>
42
43
44
45     <!DOCTYPE html>
46     <html lang="en">
47
48     <head>
49
50         <meta charset="utf-8">
51         <meta http-equiv="X-UA-Compatible" content="IE=edge">
52         <meta name="viewport" content="width=device-width, initial-scale=1">
53         <title>Need help with your password?</title>
54
55         <!-- CSS -->
56         <link rel="stylesheet" href="http://fonts.googleapis.com/css?family=Roboto:400,100,300,500">
57         <link rel="stylesheet" href="../../resource/assets/bootstrap/css/bootstrap.min.css">
58         <link rel="stylesheet" href="../../resource/assets/font-awesome/css/font-awesome.min.css">
59         <link rel="stylesheet" href="../../resource/assets/css/form-elements.css">
60         <link rel="stylesheet" href="../../resource/assets/css/style.css">
61
62         <!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and media queries -->
63         <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
64         <!--[if lt IE 9]>
65         <script src="https://oss.maxcdn.com/libs/html5shiv/3.7.0/html5shiv.js"></script>
66         <script src="https://oss.maxcdn.com/libs/respond.js/1.4.2/respond.min.js"></script>
67         <![endif]-->
68
69         <!-- Favicon and touch icons -->
70         <link rel="shortcut icon" href="../../../../resource/assets/ico/favicon.png">
71         <link rel="apple-touch-icon-precomposed" sizes="144x144" href="../../../../resource/assets/ico/apple-touch-icon-144-precomposed.png">

```

UserManagement - [C:\xampp\htdocs\UserManagement] - ...\views\SEIPXXXX\User\Profile\forgotten.php - PhpStorm 2016.1

```

File Edit View Navigate Code Refactor Run Tools VCS Window Help
UserManagement > views > SEIPXXXX > User > Profile > forgotten.php
forgotten.php

html body div.top-content div.container div.row
71         <link rel="apple-touch-icon-precomposed" sizes="144x144" href="../../../../resource/assets/ico/apple-touch-icon-144-precomposed.png">
72         <link rel="apple-touch-icon-precomposed" sizes="114x114" href="../../../../resource/assets/ico/apple-touch-icon-114-precomposed.png">
73         <link rel="apple-touch-icon-precomposed" sizes="72x72" href="../../../../resource/assets/ico/apple-touch-icon-72-precomposed.png">
74         <link rel="apple-touch-icon-precomposed" href="../../../../resource/assets/ico/apple-touch-icon-57-precomposed.png">
75
76     </head>
77     <body>
78         <!-- Top content -->
79         <div class="top-content">
80             <div class="container">
81                 <table>
82                     <tr>
83                         <td width='230' >
84
85                             <td width='600' height='50' >
86
87
88                             <?php if(isset($_SESSION['message'])) if($_SESSION['message']!='') { ?>
89
90                                 <div id="message" class="form button" style="..." >
91                                     <center>
92                                         <?php if((array_key_exists('message',$_SESSION)&& (!empty($_SESSION['message'])))) { echo " ".Message::message(); } Message::message(NULL); ?></center>
93
94
95
96
97                                 </div>
98                             <?php } ?>
99
100
101
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```

PS UserManagement - [C:\xampp\htdocs\UserManagement] - ...views\SEIPXXXX\User\Profile\forgotten.php - PhpStorm 2016.1

```

File Edit View Navigate Code Refactor Run Tools VCS Window Help
UserManagement > views > SEIPXXXX > User > Profile > forgotten.php
forgotten.php x

html body div.top-content div.container div.row
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<div class="col-sm-12">
    <div class="form-box" style="...">
        <div class="form-top">
            <div class="form-top-left">
                <h3>Need help with your password?</h3>
                <p>Please provide us your varified email</p>
            </div>
            <div class="form-top-right">
                <i class="fa fa-key"></i>
            </div>
        </div>
        <div class="form-bottom">
            <form role="form" action="" method="post" class="login-form">
                <div class="form-group">
                    <label class="sr-only" for="email">Email</label>
                    <input type="text" name="email" placeholder="Email..." class="form-email form-control" id="form-email">
                </div>

                <button type="submit" class="btn"> Click Here >> Please Email Me The Password Reset Link << Click Here</button>
            </form>
        </div>
    </div>
</div>
<div class="col-sm-1 middle-border"></div>
<div class="col-sm-1"></div>
</div>
</div>
<!-- Javascript -->
<script src="../../../../resource/assets/js/jquery-1.11.1.min.js"></script>

```

PS UserManagement - [C:\xampp\htdocs\UserManagement] - ...views\SEIPXXXX\User\Profile\forgotten.php - PhpStorm 2016.1

```

File Edit View Navigate Code Refactor Run Tools VCS Window Help
UserManagement > views > SEIPXXXX > User > Profile > forgotten.php
forgotten.php x

html body div.top-content div.container div.row
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155
<div class="col-sm-12">
    <div class="form-box" style="...">
        <div class="form-top">
            <div class="form-top-left">
                <h3>Need help with your password?</h3>
                <p>Please provide us your Email</p>
            </div>
            <div class="form-top-right">
                <i class="fa fa-key"></i>
            </div>
        </div>
        <div class="form-bottom">
            <form role="form" action="" method="post" class="login-form">
                <div class="form-group">
                    <label class="sr-only" for="email">Email</label>
                    <input type="text" name="email" placeholder="Email..." class="form-email form-control" id="form-email">
                </div>

                <button type="submit" class="btn"> Click Here >> Please Email Me The Password Reset Link << Click Here</button>
            </form>
        </div>
    </div>
</div>
<div class="col-sm-1 middle-border"></div>
<div class="col-sm-1"></div>
</div>
</div>
<!-- Javascript -->
<script src="../../../../resource/assets/js/jquery-1.11.1.min.js"></script>
<script src="../../../../resource/assets/bootstrap/js/bootstrap.min.js"></script>
<script src="../../../../resource/assets/js/jquery.backstretch.min.js"></script>
<script src="../../../../resource/assets/js/scripts.js"></script>
<!--[if lt IE 10]>
<script src="../../../../resource/assets/js/placeholder.js"></script>
<![endif]-->
</body>
<script>
    $('alert').slideDown("slow").delay(10000).slideUp("slow");
</script>
</html>

```

Google

Gmail ▾

COMPOSE

Inbox (846)
Starred
Important
Chats
Sent Mail
Drafts (12)
All Mail

Your Password Reset Link

User Management <bitm.php22@gmail.com>
to me ▾
5:18 PM (0 minutes ago)

Please click this link to reset your password: <http://localhost/UserManagement/views/SEIPXXXX/User/Profile/resetpassword.php?email=tushar.chowdhury@gmail.com&code=202cb962ac59075b964b07152d234b70>

Click here to [Reply](#) or [Forward](#)



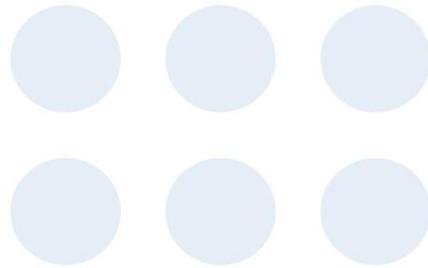
Please set a new password and confirm it!

New Password

New Password

Confirm New Password

Click Here >> Please Email Me The Password Reset Link << Click Here



resetpassword.php কোড:

```

1  <?php
2  if(!isset($_SESSION)) session_start();
3  include_once('.././../vendor/autoload.php');
4  use App\BITM\SEIPXXXX\User\User;
5  use App\BITM\SEIPXXXX\Message\Message;
6  use App\BITM\SEIPXXXX\Utility\Utility;
7
8  if(isset($_POST['new_password']) && isset($_POST['confirm_new_password'])) {
9
10    if($_POST['new_password'] == $_POST['confirm_new_password']) {
11
12      $obj = new User();
13      $_POST['password'] = $_POST['new_password'];
14      $obj->prepare($_POST);
15      $obj->change_password();
16      Message::message(
17        <div class="alert alert-success">
18          <strong>Success!</strong> Password reset has been completed, Please login!
19        </div>');
20      Utility::redirect('.....views/SEIPXXXX/User/Profile/signup.php');
21      return;
22    }
23  } else{
24    Message::message(
25      <div class="alert alert-danger">
26        <strong>Error!</strong> Password doesn't match!
27      </div>');
28  }
29
30
31  if(isset($_GET['email'])) {
32    $obj= new User();
33    $obj->prepare($_GET);
34    $singleUser = $obj->view();
35
36    if($singleUser->password != $_GET['code']) {
37
38      if($singleUser->password != $_GET['code']) {
39
40        Message::message(
41          <div class="alert alert-danger">
42            <strong>Error!</strong> Invalid Password Reset Link.
43          </div>');
44        Utility::redirect('signup.php');
45        return;
46      }
47    } else{
48      Utility::redirect('signup.php');
49    }
50  ?>
51
52
53  <!DOCTYPE html>
54  <html lang="en">
55
56  <head>
57
58    <meta charset="utf-8">
59    <meta http-equiv="X-UA-Compatible" content="IE=edge">
60    <meta name="viewport" content="width=device-width, initial-scale=1">
61    <title>Need help with your password?</title>
62
63    <!-- CSS -->
64    <link rel="stylesheet" href="http://fonts.googleapis.com/css?family=Roboto:400,100,300,500">
65    <link rel="stylesheet" href=".....resource/assets/bootstrap/css/bootstrap.min.css">
66    <link rel="stylesheet" href=".....resource/assets/font-awesome/css/font-awesome.min.css">
67    <link rel="stylesheet" href=".....resource/assets/css/form-elements.css">
68    <link rel="stylesheet" href=".....resource/assets/css/style.css">
69
70    <!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and media queries -->

```

UserManagement - [C:\xampp\htdocs\UserManagement] - ...views\SEIPXXXX\User\Profile\resetpassword.php - PhpStorm 2016.1

```

File Edit View Navigate Code Refactor Run Tools VCS Window Help
UserManagement views SEIPXXXX User Profile resetpassword.php
resetpassword.php x

70      <!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and media queries -->
71      <!-- WARNING: Respond.js doesn't work if you view the page via file:/// -->
72      <!--[if lt IE 9]>
73      <script src="https://oss.maxcdn.com/libs/html5shiv/3.7.0/html5shiv.js"></script>
74      <script src="https://oss.maxcdn.com/libs/respond.js/1.4.2/respond.min.js"></script>
75      <![endif]-->

76      <!-- Favicon and touch icons -->
77      <link rel="shortcut icon" href="../../../../../resource/assets/ico/favicon.png">
78      <link rel="apple-touch-icon-precomposed" sizes="144x144" href="../../../../../resource/assets/ico/apple-touch-icon-144-precomposed.png">
79      <link rel="apple-touch-icon-precomposed" sizes="114x114" href="../../../../../resource/assets/ico/apple-touch-icon-114-precomposed.png">
80      <link rel="apple-touch-icon-precomposed" sizes="72x72" href="../../../../../resource/assets/ico/apple-touch-icon-72-precomposed.png">
81      <link rel="apple-touch-icon-precomposed" href="../../../../../resource/assets/ico/apple-touch-icon-57-precomposed.png">

82
83
84  </head>
85  </body>
86  <!-- Top content -->
87  <div class="top-content">
88      <div class="container">
89          <table>
90              <tr>
91                  <td width='230' >
92
93                      <?php if(isset($_SESSION['message'])) if($_SESSION['message']!='') { ?>
94
95                          <div id="message" class="form button" style="..." >
96                              <center>
97                                  <?php if((array_key_exists('message',$_SESSION)&& (!empty($_SESSION['message'])))) {
98                                      echo " ".Message::message();
99                                  }
100                                 Message::message(NULL);
101                                 ?></center>
102
103
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```

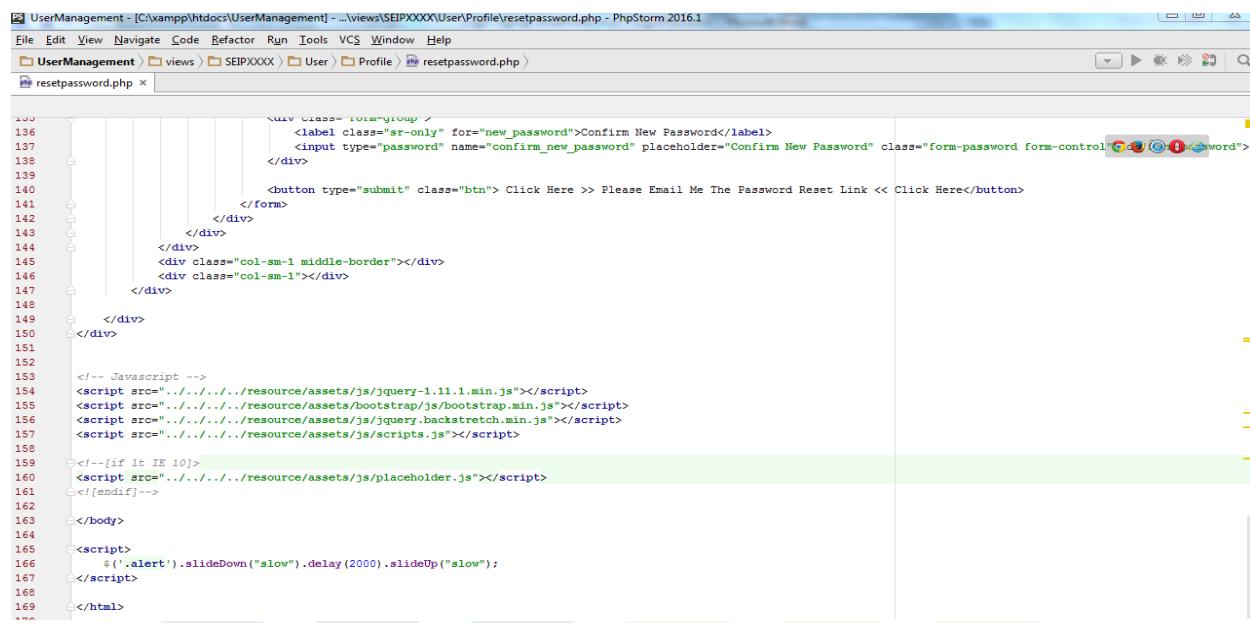
UserManagement - [C:\xampp\htdocs\UserManagement] - ...views\SEIPXXXX\User\Profile\resetpassword.php - PhpStorm 2016.1

```

File Edit View Navigate Code Refactor Run Tools VCS Window Help
UserManagement views SEIPXXXX User Profile resetpassword.php
resetpassword.php x

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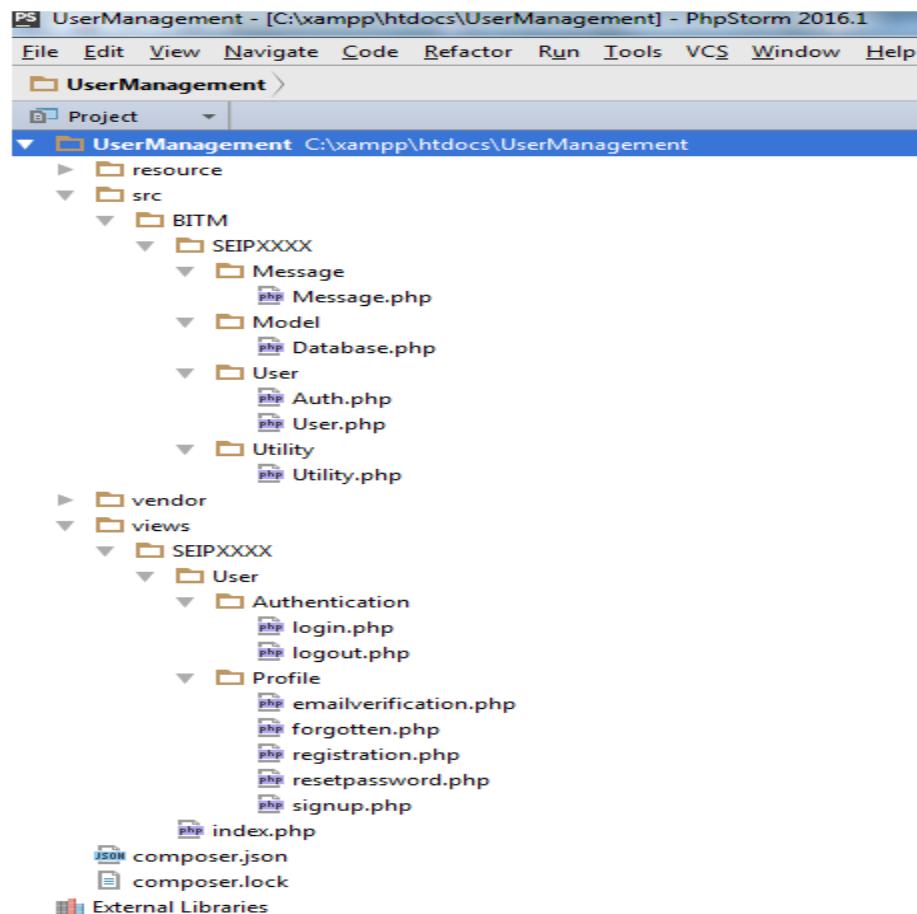


```

150         <div class="form-group" style="text-align: right;">
151             <label class="sr-only" for="new_password">Confirm New Password</label>
152             <input type="password" name="confirm_new_password" placeholder="Confirm New Password" class="form-control" style="width: 150px; margin-right: 10px;"/>
153         </div>
154         <button type="submit" class="btn" style="margin-right: 10px;">Click Here >> Please Email Me The Password Reset Link << Click Here</button>
155     </div>
156     </div>
157     <div class="col-sm-1 middle-border"></div>
158     <div class="col-sm-1"></div>
159     </div>
160     </div>
161     <!-- Javascript -->
162     <script src="../../resource/assets/js/jquery-1.11.1.min.js"></script>
163     <script src="../../resource/assets/bootstrap/js/bootstrap.min.js"></script>
164     <script src="../../resource/assets/js/jquery.backstretch.min.js"></script>
165     <script src="../../resource/assets/js/scripts.js"></script>
166     <!--[if lt IE 10]>
167     <script src="../../resource/assets/js/placeholder.js"></script>
168     <![endif]-->
169 </body>
170 </script>
171     $(`#alert`).slideDown("slow").delay(2000).slideUp("slow");
172 </script>
173 </html>
174

```

Final view of our project at PhpStorm:



The project structure is as follows:

- UserManagement** (Project)
 - src**
 - BITM**
 - SEIPXXXX**
 - Message**
 - Model**
 - Database.php**
 - User**
 - Auth.php**
 - User.php**
 - Utility**
 - Utility.php**
 - views**
 - SEIPXXXX**
 - User**
 - Authentication**
 - login.php**
 - logout.php**
 - Profile**
 - emailverification.php**
 - forgotten.php**
 - registration.php**
 - resetpassword.php**
 - signup.php**
 - index.php**
 - composer.json**
 - composer.lock**
 - External Libraries**