**# Coding test for PHP developer**

Aim of this task is to better understand your thinking process and experience. Add your insight into

the task.

## Problem Description

**Write a REST API with following features**

**Solution -:**

**A) Connection API -**

<?php

$hostName='localhost';

$userName='root';

$userPass='';

$dbName='userdata';

$con=mysqli\_connect($hostName,$userName,$userPass,$dbName);

/\*if(!$con){

echo "connection failed";

}

else

echo "connection succes";

?>

**1 .user registration.**

Registration fields

-email

-phone

-password

-confirm password

**Solution -:**

Now we Let’s create the Registration API in which we include the connection API. So the code of Register API is:

**B) Register API -**

<?php

require 'connection.php';

$username=$\_POST['username'];

$email=$\_POST['email'];

$password=md5($\_POST['password']);

$conpassword=md5($\_POST['conpassword']);

$checkUser="SELECT \* from user WHERE email='$email'";

$checkQuery=mysqli\_query($con,$checkUser);

if(mysqli\_num\_rows($checkQuery)>0){

$response['error']="002";

$response['message']="User exist";

}

else

{

$insertQuery="INSERT INTO user(username,email,password) VALUES('$username','$email','$password','$conpassword,')";

$result=mysqli\_query($con,$insertQuery);

if($result){

$response['error']="000";

$response['message']="Register successful!";

}

else

{

$response['error']="001";

$response['message']="Registeration failed!";

}

}

echo json\_encode($response);

?>

**2. Registered user can create, read and update their profile**

Profile fields

-First name

-Last Name

-role (editor/writer)

**Solution -:**

**C) Login API**

<?php

require 'connection.php';

$email=$\_POST['email'];

$password=md5($\_POST['password']);

$checkUser="SELECT \* FROM user WHERE email='$email'";

$result=mysqli\_query($con,$checkUser);

if(mysqli\_num\_rows($result)>0){

$checkUserquery="SELECT id, username, email FROM user WHERE email='$email' and password='$password'";

$resultant=mysqli\_query($con,$checkUserquery);

if(mysqli\_num\_rows($resultant)>0){

while($row=$resultant->fetch\_assoc())

$response['user']=$row;

$response['error']="200";

$response['message']="login success";

}

else{

$response['user']=(object)[];

$response['error']="400";

$response['message']="Wrong credentials";

}

}

else{

$response['user']=(object)[];

$response['error']="400";

$response['message']="user does not exist";

}

echo json\_encode($response);

?>

**D) FetchAll User API**

<?php

require 'connection.php';

$users="SELECT id, username, email FROM user";

$result=mysqli\_query($con,$users);

if(mysqli\_num\_rows($result)>0){

$response['users'][]=$row;

$response['error']="200";

}

}

else{

$response['error']="400";

$response['users'][]="";

}

echo json\_encode($response);

?>

**3. User with writer role can create posts and read, update and delete only their posts**

Article fields

-title

-post

**Solution -:**

**E) Update user API**

<?php

require 'connection.php';

$id=$\_POST['id'];

$username=$\_POST['username'];

$email=$\_POST['email'];

$update\_query="UPDATE user SET username='$username', email='$email' WHERE id='$id'";

$result=mysqli\_query($con,$update\_query);

if($result>0){

$fetchuser=mysqli\_query($con,"SELECT id, username, email FROM user WHERE email='$email'");

if(mysqli\_num\_rows($fetchuser)>0){

while($row=$fetchuser->fetch\_assoc()){

$response["user"]=$row;

}

$response['error']="200";

$response['message']="user update success";

}

else{

$response["user"]=(object)[];

$response['error']="400";

$response['message']="user update but detail not fetch";

}

}

else{

$response["user"]=(object)[];

$response['error']="400";

$response['message']="user update failed";

}

echo json\_encode($response);

?>

**F) UpdatePassword API**

<?php

require 'connection.php';

$email=$\_POST['email'];

$current=md5($\_POST['current']);

$new=md5($\_POST['new']);

$checkuser="SELECT \* FROM user WHERE email='$email' and password='$current'";

$result=mysqli\_query($con,$checkuser);

if(mysqli\_num\_rows($result)>0){

$updatePass=mysqli\_query($con,"UPDATE user SET password='$new' WHERE email='$email'");

if($updatePass>0){

$response['error']="200";

$response['message']="password update success";

}

else{

$response['error']="400";

$response['message']="password not updated";

}

}

else{

$response['error']="400";

$response['message']="User does not exist";

}

echo json\_encode($response);

?>

**G) Delete user Account API -**

<?php

require 'connection.php';

$id=$\_POST['id'];

$deleteuser=mysqli\_query($con,"DELETE FROM user WHERE id='$id'");

if($deleteuser>0){

$response['error']=200;

$response['message']="Account has been deleted";

}

else{

$response['error']=400;

$response['message']="Account has not been deleted";

}

echo json\_encode($response);

?>