### Introduction

- For this topic we will be focussing on the following:
  - Using PHP to Create a Complex Login Form
  - Creating a Database using MySQL
  - Creating a Table using MySQLCom
  - Populating a Table using MySQbder
  - Using PHP to Create a Script that will allow us to View the content of our Table
  - Using PHP to Create a Complex Script to check the user's Login details based on the data within the Database
- We will now begin to focus on all of the above

### Creating a Complex Login Form

- For this part you may use a copy of your previous login form (simpleLoginForm.php) – make sure that you go through the following process:
  - Make a copy of simpleLoginForm.php
  - Rename youhtopy to complex Login Form.php
  - Change line 2 of complexLoginForm.php so that it contains complexLoginCheck.php instead of simpleLoginCheck.php
- Once you have completed the above process you should end up with the code and the form on the next slide

### Creating a Complex Login Form

The code:

#### Add WeChat powcoder

The Form:

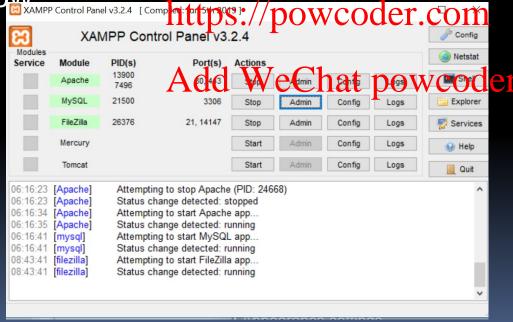
		Ĺ
ı	Username	
ı	Password	
ı	Login	
ı		
ı		

### Creating a Database using MySQL

- The way that this version of the login will work will be that it checks a database to see if the User's Login details are correct or not
- The following piecess will happen when the User clicks on the Login button:
  - The Script will connect to the Database
  - The Script will check the System User Table in the Database to see if the Username exists
    - If the Script finds the User then it will check the SystemUser
       Table to see if the Password matches the Username
      - If the Password matches then the User will have access to the System
      - If the Password does not match then a 'Wrong Password' message will appear
    - If the Script does not find the User then a 'User not found' message will appear

### Creating a Database using MySQL

- Before we can write the Script that accesses the Table within the Database we will need to create the Database on our Server
- Click on the Admin or Mysqcas shown in the image below.



Create a Database

☐ SQL

Status User accounts

utf8mb4 general ci

latin1 swedish ci E Check privilege

Utf8 general ci Check privileges

Create

■ Databases

Databases

Database name

🖳 Create database 🔞

- Click on create Database
- Enter useful name for DB,

I call iassignment Project Exampsed

It will prompt to create table in check next slide for table creation.

### Creating a Table using MySQL —

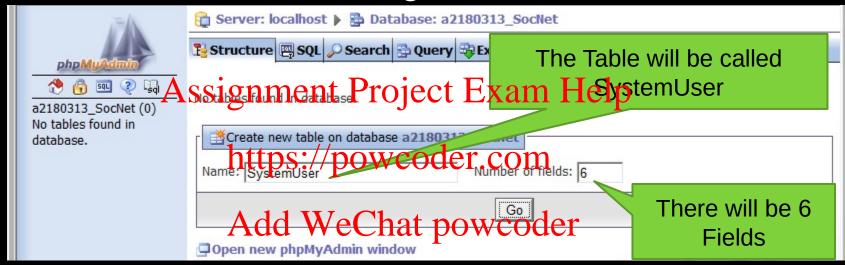
You should now have the following screen

	a2180313_SocNet (0) No tables found in database.	Server: localhost > Database: a2180313_SocNet
		Structure SQL Search Query Export Import Operations
		ssignment Project Exam Help
		Name: Number of fields:
		Add WeChat poweoder  Open new phpMyAdmin window

This is where you will have to name your Table and you will also need to say how many fields you are going to include in your Table

### Creating a Table using MySQL

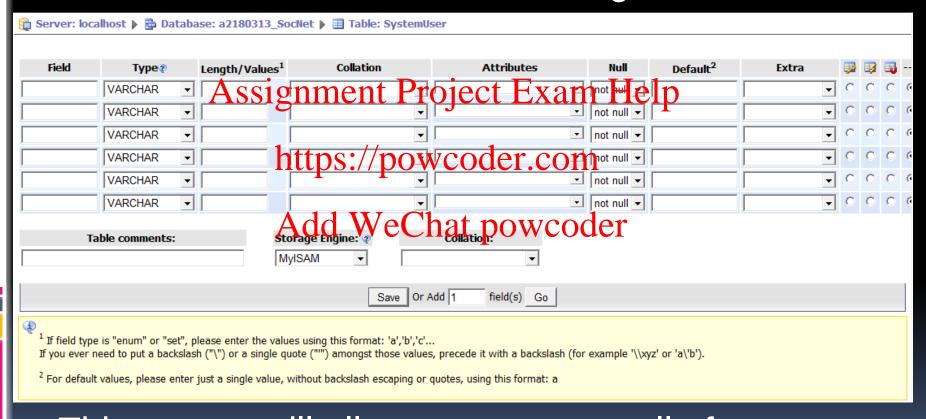
I have used the following values:



 Once you have entered your values then click on Go to continue

### Creating a Table using MySQL

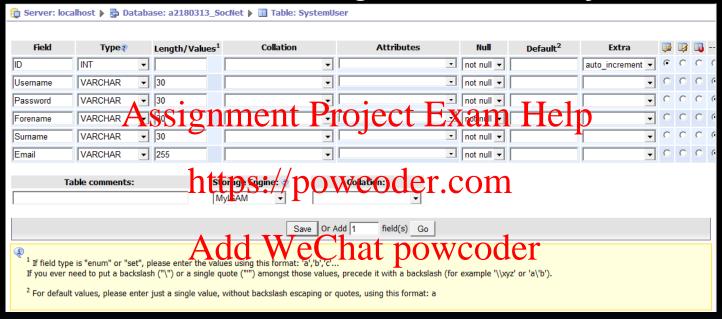
You should now have the following screen:



This screen will allow you to name all of your
 Fields as well as determine their Data Types and other settings

### Creating a Table using MySQL

I have used the following values for my Table:

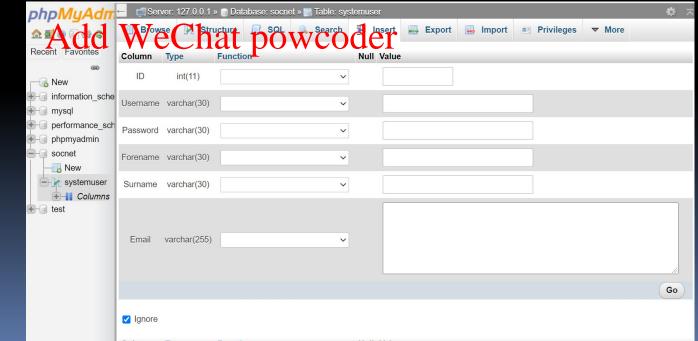


• Make sure that you use similar values for your Table and click on Save once you have finished. For ID tick the A\_I which is autoincrement. In some versions, it is a checkbox, next to null.

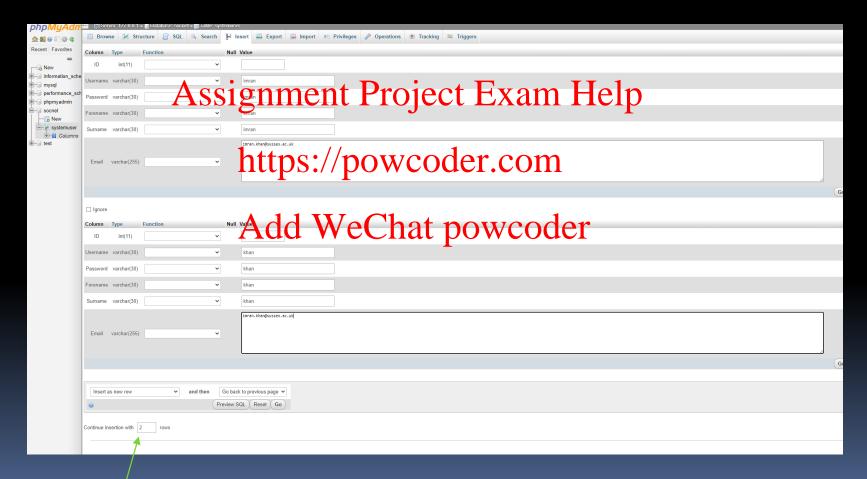
### Populating a Table using MySQL

- Now that we have our SystemUser Table within our Database we will need to add some Data
- Add some data manually by clicking on Insert
- We will create a registration page in coming weeks that will automatically put user records in

this table.



## Populate few entries in your table



If you want more user records, specify here how many more

### Viewing a Table using a PHP Script

- In order to get used to connecting to a Database, searching through Records in a Table and Displaying the Data within each one I am going to show you how to complete the following things using PHP: <a href="https://powcoder.com">https://powcoder.com</a>
  - Connecting to your Server powcoder
  - Selecting your Database
  - Finding Records (Users) within your SystemUser Table
  - Displaying all of your Records (Users) in a HTML Table within a Browser window

### Viewing a Table using a PHP Script

Once your PHP Script is working and running you should get something similar to the following screen within your Browser:
Assignment Project Exam Help

Registered Userstdetails stored in text form

RockYou incident in 2009 tells us that is extremely dangerous Add WeChat powcoder Hanging car keys outside of your house door

ID	Username	Password	Forename	Surname	Email
1	imran	imran	imran	imran	imran.khan@sussex.ac.uk
2	khan	khan	khan	khan	imran.khan@sussex.ac.uk
3	imran1	imran1	imran1	imran1	

### Viewing a Table using a PHP Script

Here is the first part of the PHP Script that I have saved as viewUsers.php.

```
Assignment Project Exam Help
     $username="root";
     $db="socnet";
     $password ="";
                       https://powcoder.com
 8
    // Create connection
9
    10
11
12
    // Check connection
13
    if ($conn->connect error)
14
15
      die("Connection failed: " . $conn->connect error);
16
17
18
    $userQuery = "SELECT * FROM SystemUser";
    $userResult = $conn->query($userQuery);
19
20
21
    echo "<h1> Registered Users details, stored in text form </h1>";
22
    echo "<h2> RockYou incident in 2009 tells us that is extremely dangerous </h2>";
    echo "<h3> Hanging car keys outside of your house door </h3>";
23
24
25
    echo "";
```

# Viewing a Table using a PHP Script Remaining part of viewUsers.php:

```
if ($userResult->num rows > 0)
              27
              28
                         echo "";
              29
                         echo " ID";
              30
                         echo " Username ";
              31
                         echo " Password ";
              32
                         echo " Forename ";
Assignment Projecth Exam
                         echo "";
                    while ($userRow = $userResult->fetch assoc())
      https
                                   .$userRow['ID'] . "";
                         echo ""
                         echo ""
                                   .$userRow['Username'] . "";
      Add
                                   AsarRow['Password'] . "";
                                   .SuserRow['Forename'] . "";
                                   .$userRow['Surname'] . "";
                         echo ""
                         echo ""
              44
                                   .$userRow['Email'] . "";
              45
                        echo "";
              46
              47
              48
              49
                   echo "";
              50
              51
              52
```

 View your viewUsers.php in browser, you will get the output all users details which is stored in text

- At this point we have the following things:
  - A Database on our Server
  - A Table called System User within our Database
  - User Records within our SystemUser Table
  - A working Phitistrip that shows all of the Users within our System
- Add WeChat powcoder

  The next step is to create a PHP Script that will check the details, that could be entered into the Form, that was created using a PHP Script (complexLoginForm.php) right at the start of this Presentation

Here is the first part of the complexLoginCheck.php Script, that will check the User's Login details to see if the User exists within the SystemUser Table and if they do then it will check to see if the

Password is co // server and db connection values \$servername = "localhost"; ssignment Project Exam Help \$rootPassword =""; ttpreader com prootuser, \$rootPassword, \$db); 10 // values come from user entry in webform 11 \$Qernand e Phattpoweeder \$password = \$\_POST[PtxtPassword']; 13 14 15 // Check connection 16 if (\$conn->connect error) 17 die("Connection failed: " . \$conn->connect error); 18 19 20 21 // query 22 \$userQuery = "SELECT \* FROM SystemUser"; 23 \$userResult = \$conn->query(\$userQuery); 24 25 // flag type variable 26 \$userFound = 0; 27

echo "";

28

Remaining part of complexLoginCheck.php

```
if ($userResult->num rows > 0)
       while($userRow = $userResult->fetch assoc())
ssignment Project Exam Help
                 suserFound = 1;
 37https://powcocercomassword'] == $password)
                    echo "Hi" , $username. "!";
 40Add WeChat powcoder to our website";
 42
                 else
                    echo "Wrong password";
 46
 48
 49
      if ($userFound == 0)
         echo "This user was not found in our Database";
```

- Testing the Script Make sure that you test the Script for all of your Users:
  - Check to see if it finds all Users Test one User at a time
  - Check to see iftthe Passworks work for all Users Test one User at a time
  - Check to see if it displays the Wrong Password message for all Users by using an incorrect Password for each User Test one User at a time

### Summary

- Today we looked at all of the following:
  - Using PHP to Create a Complex Login Form
  - Creating a Database using MySQL
  - Creating a Table using MySQL
  - Populating a labie using MySQL
  - Using PHP to Create a Script that will allow us to View the content of our Table
  - Using PHP to Create a Complex Script to check the user's Login details based on the data within the Database