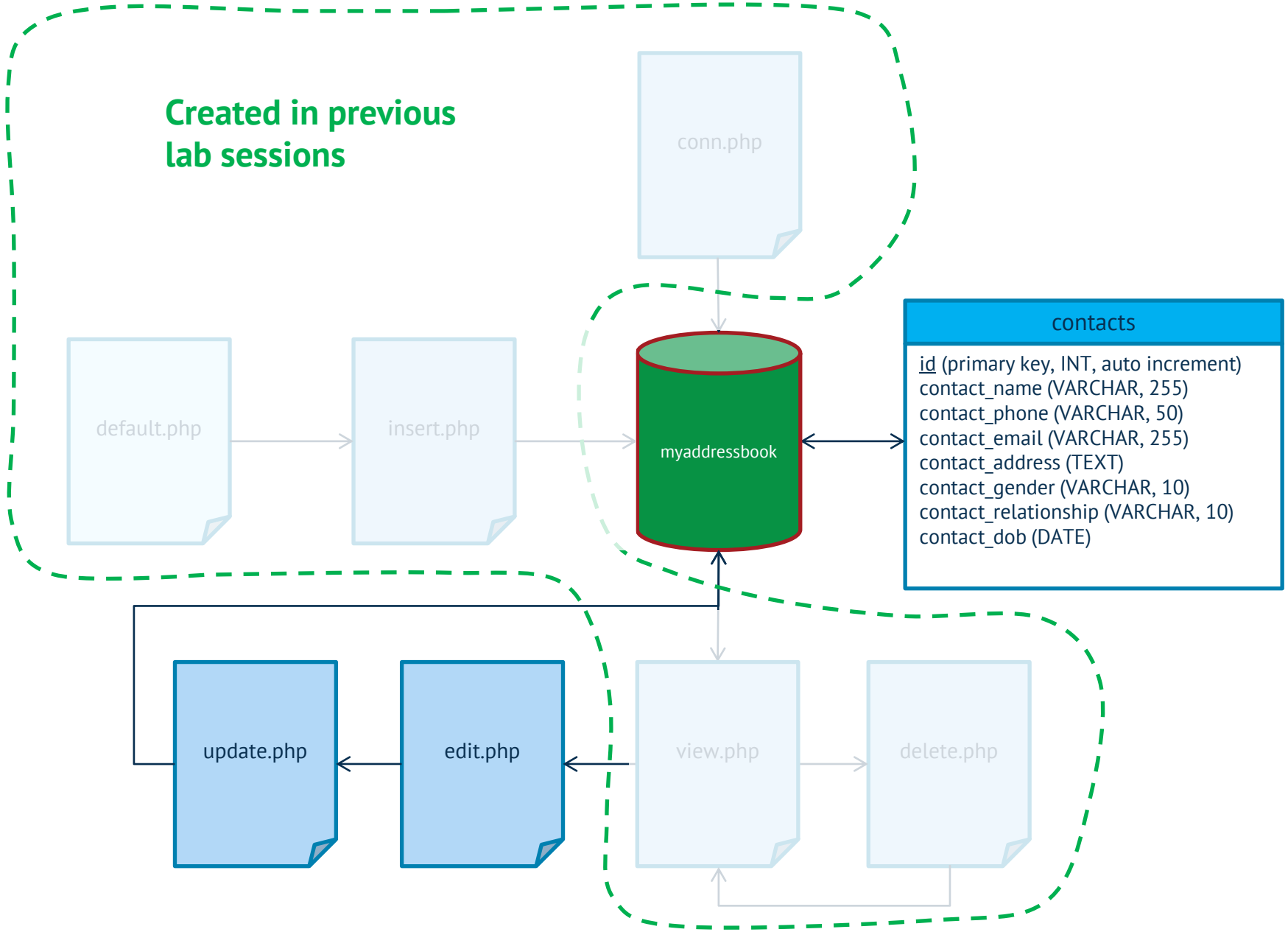
A·P·U
ASIA PACIFIC UNIVERSITY
OF TECHNOLOGY & INNOVATION

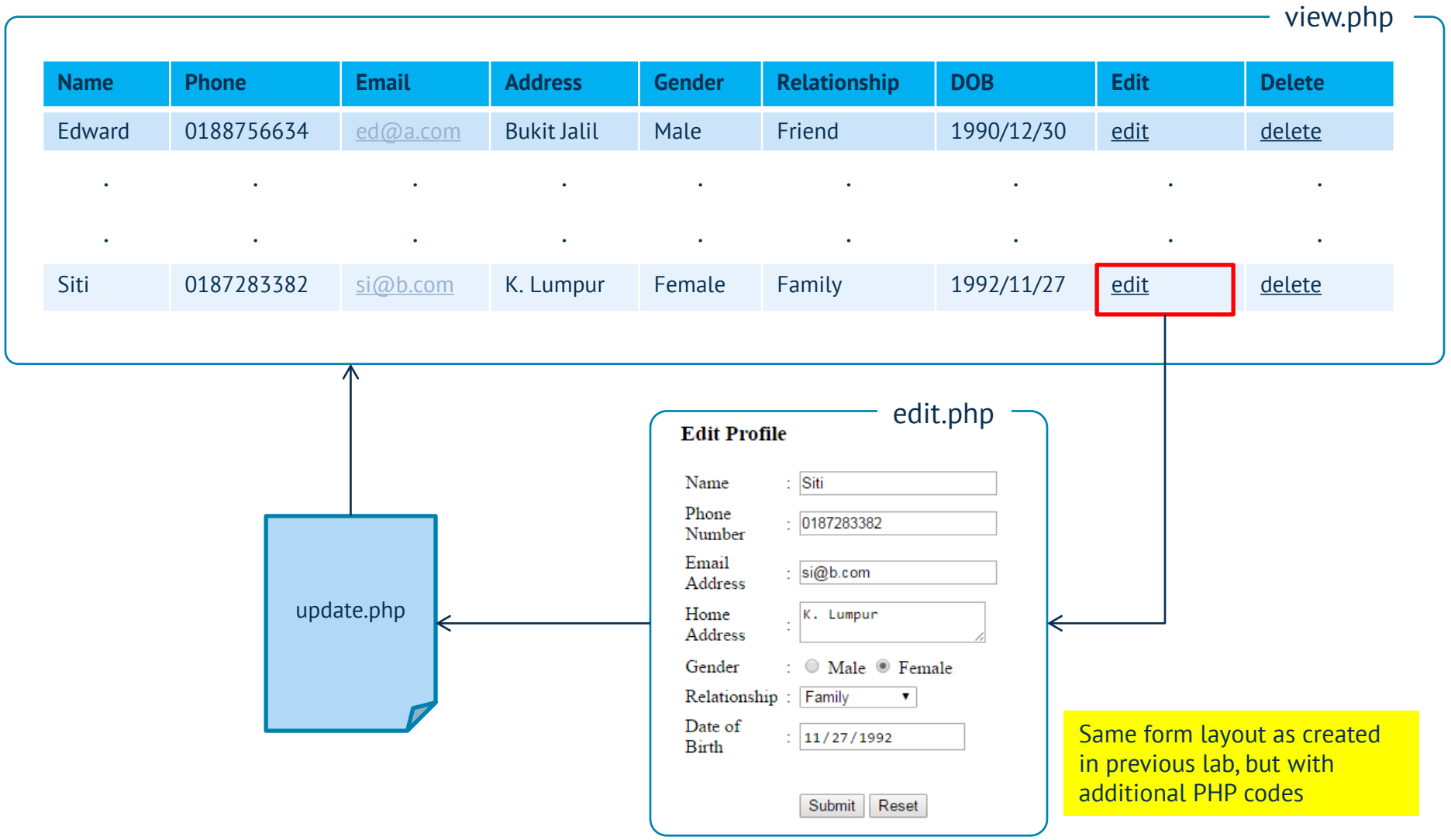
AAPP009-4-2 Web Development

PHP & MYSQL PART 3: UPDATE QUERY, USER AUTHENTICATION & AUTHORIZATION


Created in previous lab sessions
conn.php
default.php
insert.php
myaddressbook
contacts
id (primary key, INT, auto increment)
contact_name (VARCHAR, 255)
contact_phone (VARCHAR, 50)
contact_email (VARCHAR, 255)
contact_address (TEXT)
contact_gender (VARCHAR, 10)
contact_relationship (VARCHAR, 10)
contact_dob (DATE)
update.php
edit.php
view.php
delete.php

Edit the data based on the row selection (edit.php)

1. Diagram below summarize the edit process



edit.php

1. You may duplicate the form layout that has been created in previous lab and save it as a php file.
2. Add this codes before and after <form> tag.

```
<?php
include("conn.php");
$id = intval($_GET['id']); //intval – Get the integer value of a variable
$result = mysqli_query($con,"SELECT * FROM contacts WHERE id=$id");
while($row = mysqli_fetch_array($result))
  {
?>

<form action="update.php" method="post">
.
.
.
</form>

<?php
}
mysqli_close($con);
?>
```

edit.php – cont.

3. Add one hidden input within the <form> tag. This hidden input will be carrying id (primary key) value.

```
<input type="hidden" name="id" value="<?php echo $row['id'] ?>">
```

4. Add value attribute within the input element for the following fields:

Fields	Value
Name	value="<?php echo $row['contact_name'] ?>"
Phone number	value="<?php echo $row['contact_phone'] ?>"
Email Address	value="<?php echo $row['contact_email'] ?>"
Date of Birth	value="<?php echo $row['contact_dob'] ?>"

i.e. `<input type="text" name="name" required="required" value="<?php echo $row['contact_name'] ?>" >`

5. Add this code to display the value of the address within the textarea field.

```
<textarea required="required" name="address"> <?php echo $row['contact_address'] ?> </textarea>
```

edit.php – cont.

6. Add this code within the 'gender' field radio button input to show the checked based on the value from the database. Do the same for 'Female' radio button.

```
<input type="radio" name="gender"          value="Male" required="required" >

<?php if ($row['contact_gender'] == "Male") {  ?>
  checked="checked"
<?php } ?>
```

7. Add this code within the 'relationship' field dropdown list option to show the selected list based on the value from the database. Do the same for 'Friend', 'Colleague' and 'Other' option.

```
<option value="Family"     >Family</option>

<?php if ($row['contact_relationship'] == "Family") { ?>
   selected="selected"
<?php } ?>
```

8. Add action="update.php" within <form> tag.

Update the edited data from the form (update.php)

1. Create a php file in Web Authoring Tool and name it as “update.php”.

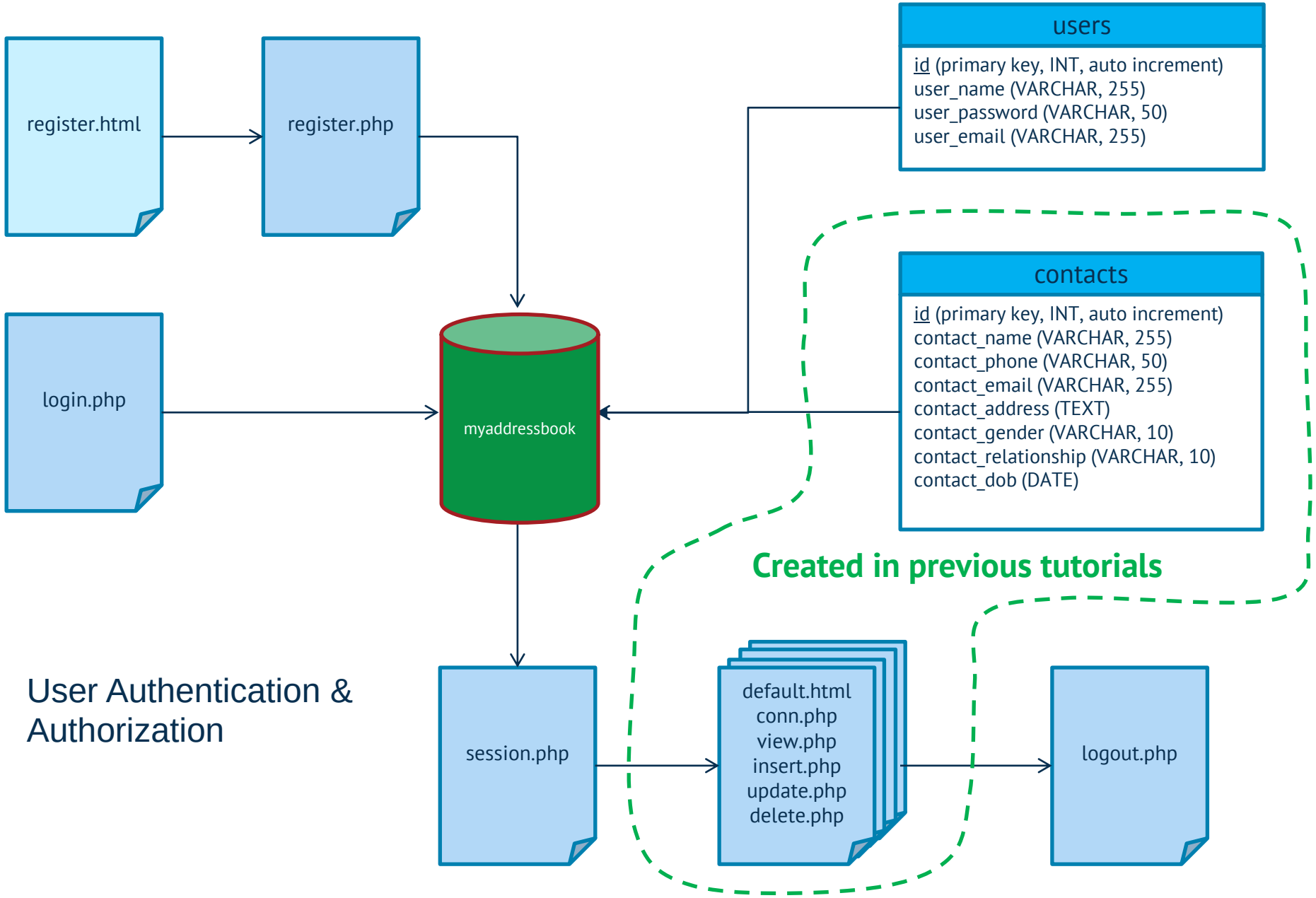
```php
<?php
include("conn.php");

$sql = "UPDATE contacts SET
contact_name='$_POST[name]',
contact_phone='$_POST[phone_num]',
contact_email='$_POST[email_address]',
contact_address='$_POST[home_address]',
contact_gender='$_POST[gender]',
contact_relationship='$_POST[relationship]',
contact_dob='$_POST[dob]'

WHERE id=$_POST[id];";

if (mysqli_query($con, $sql)) {
        mysqli_close($con);
        header('Location: view.php');
}
?>
```

View the outcome in the browser


register.html
register.php
users
id (primary key, INT, auto increment)
user_name (VARCHAR, 255)
user_password (VARCHAR, 50)
user_email (VARCHAR, 255)
login.php
myaddressbook
contacts
id (primary key, INT, auto increment)
contact_name (VARCHAR, 255)
contact_phone (VARCHAR, 50)
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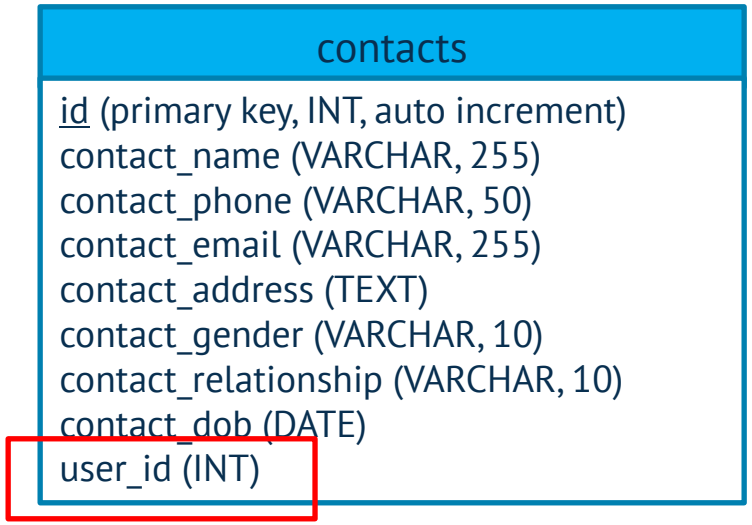
contact_dob (DATE)
Created in previous tutorials
User Authentication & Authorization
session.php
default.html
conn.php
view.php
insert.php
update.php
delete.php
logout.php

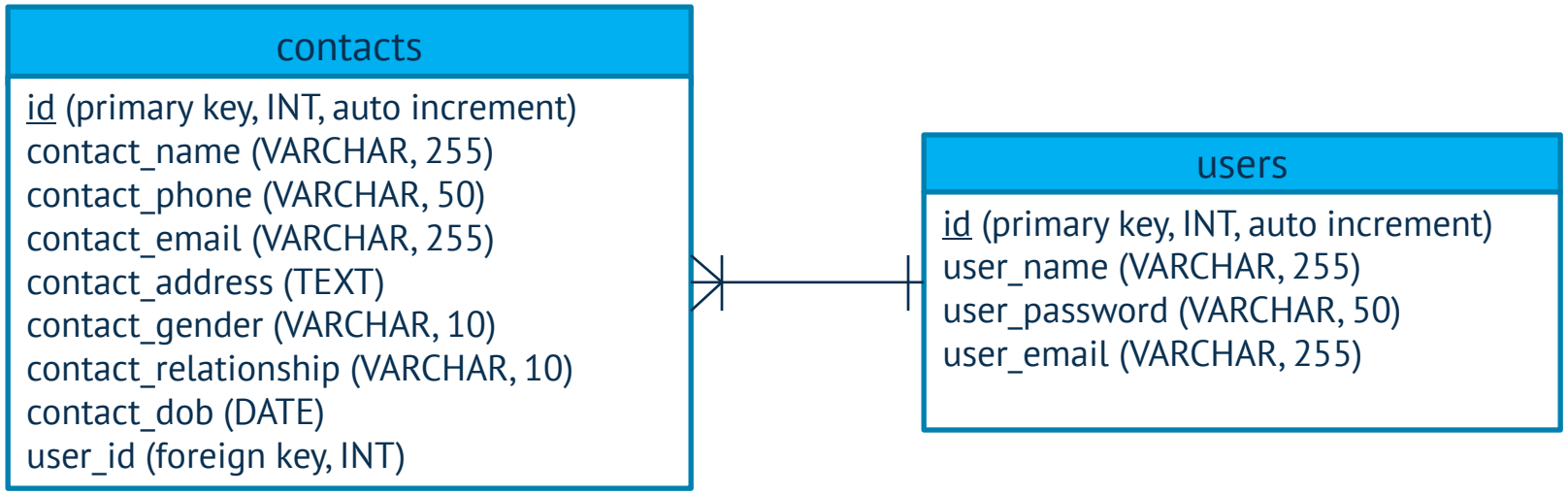
Amend ‘contacts’ table

Part 1 – add Foreign Key ‘user_id’ in table ‘contacts’

1. Access ‘contacts’ table in PHPMyAdmin



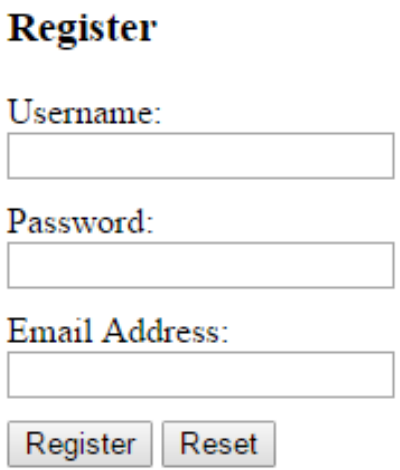
Entity Relationship Diagram (ERD)



Securing you Web Application with Authorization & Authentication

Part 1 – Creating a registration page (to store user data to log in to web application)

1. Create a table named 'users' in 'myaddressbook' database with the fields as in page 1.
2. Create 'register.html' page with the UI as below:

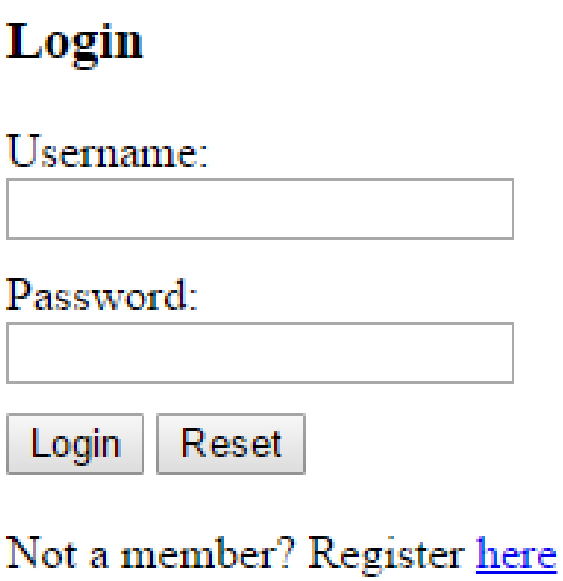


3. Create 'register.php' to process the registration form in Step 2. (note: for the code, you may refer to insert.php)

Securing you Web Application with Authorization & Authentication

Part 2 – Login

1. Create ‘login.php’ page with the UI as below:



Securing you Web Application with Authorization & Authentication

Part 2 – Login & Session

login.php

2. Include these codes right after <body> tag of '**login.php**'

```
<?php
include("conn.php");
session_start();
if($_SERVER["REQUEST_METHOD"] == "POST")
{
// username and password sent from Form
$username=$_POST['username'];
$password=$_POST['password'];

$sql="SELECT * FROM users WHERE user_name='$username' and user_password='$password'";
```

```php
$result=mysqli_query($con,$sql);
  // Return the number of rows in result set
$rowcount=mysqli_num_rows($result);

if($rowcount==1)  {
        session_start();
        $_SESSION['mySession']=$username;
        header("location: view.php");
}
else  {
      echo “Your Login Name or Password is invalid. Please re login”;
}
mysqli_close($con);
}
?>
```

login.php

Securing you Web Application with Authorization & Authentication

Part 3 – Session

1. Include these codes in a new file named '**session.php**'

session.php

```php
<?php
session_start();
if (!isset($_SESSION['mySession']))
{
  header("location: login.php");
}
?>
```

2. To include 'session.php' in any pages that required user to login (i.e. view.php, edit.php, delete.php etc.)

```php
<?php
include("session.php");
?>
```

Securing you Web Application with Authorization & Authentication

Part 4 – Logout

1. Include these codes in a new file named '**logout.php**'

```php
<?php
session_start();
session_destroy();
header("location: login.php");
?>
```

logout.php

2. To link 'logout.php' in any pages that allow user to logout (i.e. view.php, edit.php, delete.php etc.)