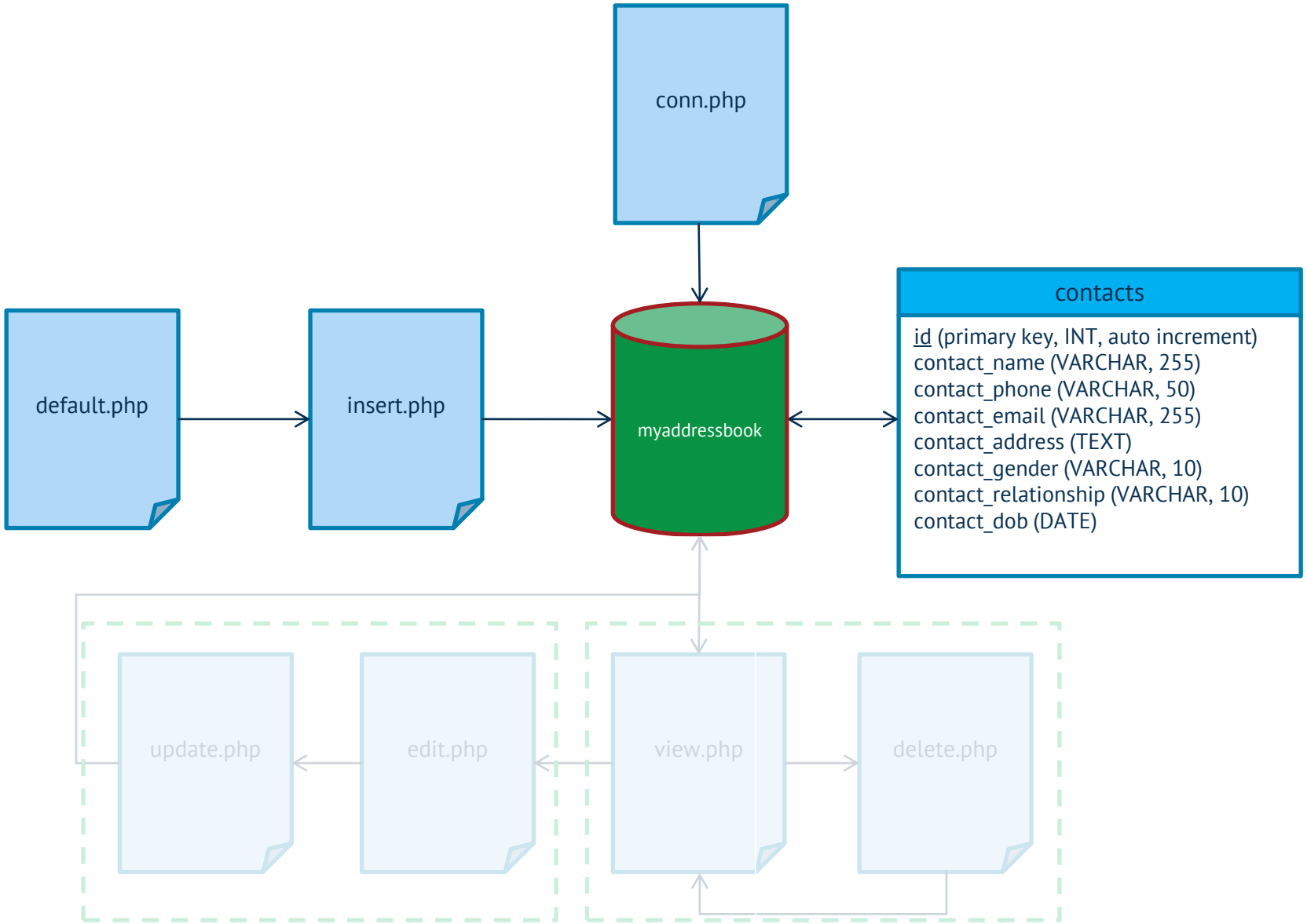
A·P·U
ASIA PACIFIC UNIVERSITY
OF TECHNOLOGY & INNOVATION

AAPP009-4-2 Web Development

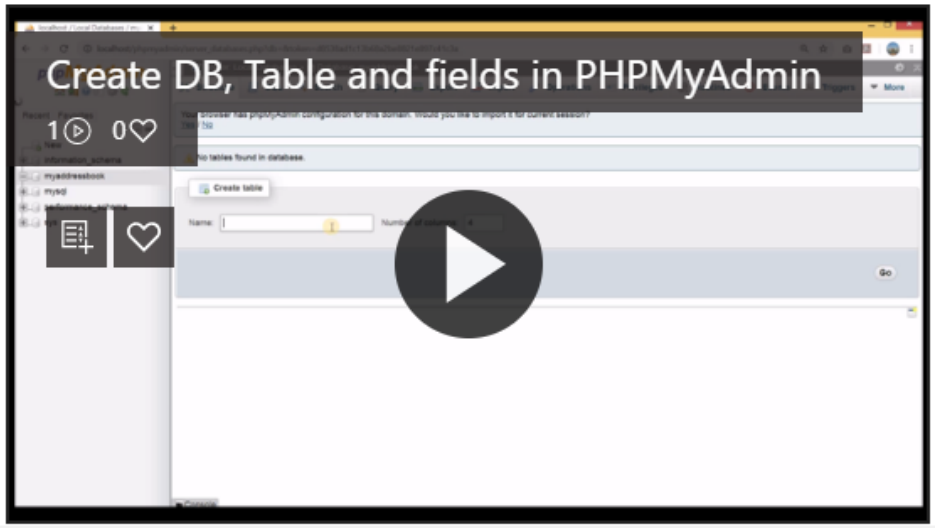
PHP & MYSQL PART 1: DB SETUP, SQL CONNECTION, INSERT QUERY

What are we going to do today?

1. Database and Table setup
2. Create a web form (using HTML)
3. Process the web form – to store the input into Database (using PHP and SQL Query)


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

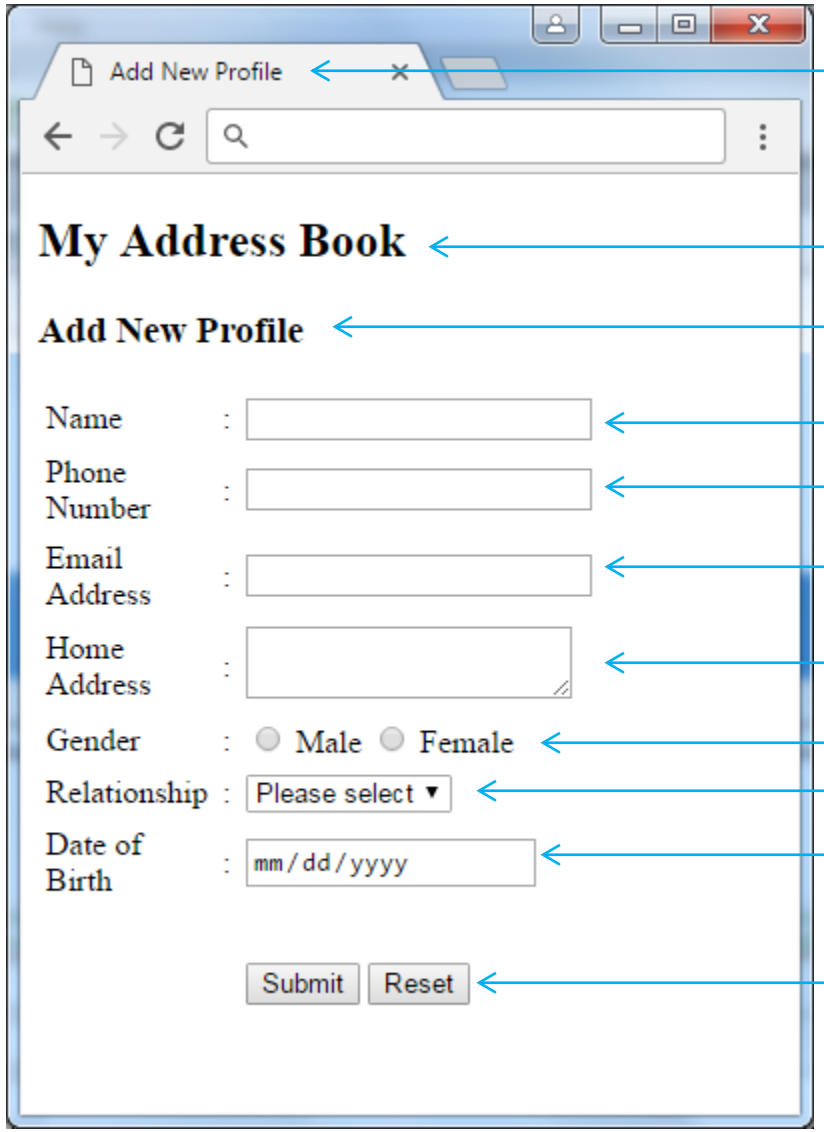
Create a database, table, fields in PHPMyAdmin



https://web.microsoftstream.com/video/1eabbb3c-738f-435f-a3f9-34b1e4698581

1. Run WAMP server.
2. Open **PHPMyAdmin** page from the browser.
3. Create a database name named “myadddressbook”.
4. Under “myaddressbook” database, create a table named “contacts”.
5. Add the fields based on diagram in page 1.

default.php



<title>**Add New Profile**</title>

<h2>**My Address Book**</h2>

<h3>**Add New Profile**</h3>

<input type="**text**" name="**name**" required="**required**">

<input type="**tel**" name="**phone_num**" required="**required**"> *

<input type="**email**" name="**email_address**" required="**required**">

<textarea name="**home_address**" required="**required**"></textarea>

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

```
<select name="relationship" required="required">
    <option value="">Please select</option>
    <option value="Family">Family</option>
    <option value="Friend">Friend</option>
    <option value="Colleague">Colleague</option>
    <option value="Other">Other</option>
</select>
```

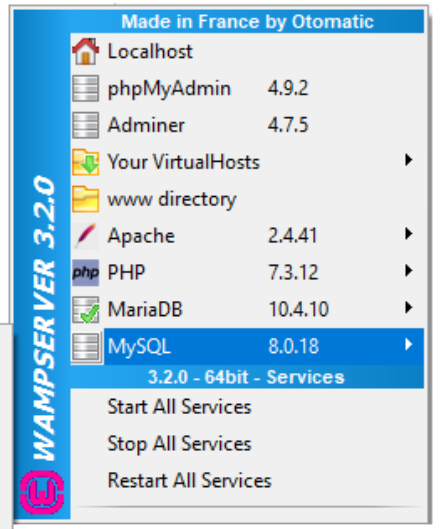
<input type="**date**" name="**dob**">

<input type="**submit**" value="**Submit**">
<input type="**reset**" value="**Reset**">

* The tel type is currently supported only in Safari 8.

Connection to the database (conn.php)

1. Create a php file in Web Authoring Tool/ Text Editor and name it as “conn.php”.
2. Empty the preset html codes and replace it with this codes:




```php
<?php
$con=mysqli_connect("localhost","root","","myaddressbook","3308");

// Check connection
if (mysqli_connect_errno())
  {
  echo "Failed to connect to MySQL: " . mysqli_connect_error();
  }
?>
```

Leave the password blank (“”) if no password needed in phpmyadmin

Insert into the database (insert.php)

1. Create a php file in Web Authoring Tool/ Text Editor and name it as “insert.php”.
2. Empty the preset html codes (if any) and replace it with this codes:

```
<?php

include("conn.php");

$sql="INSERT INTO contacts (contact_name, contact_phone, contact_email, contact_address,
contact_gender, contact_relationship, contact_dob)

VALUES

('$_POST[name]','$_POST[phone_num]','$_POST[email_address]','$_POST[home_address]','$_POST[gender]',
'$_POST[relationship]','$_POST[dob]')";

if (!mysqli_query($con,$sql))   {
    die('Error: ' . mysqli_error($con));
  }
else  {
    echo '<script>alert("1 record added!");
    window.location.href = "view.php";
     </script>';
}

mysqli_close($con);
?>
```

view.php will be done in next lab

3. View the page in the browser. Key in the data in the form and check your DB if the data recorded.

Q & A