# Visuard+ Online Portfolio Showcase Website
Assignment 3 (Documentation)

STRUCTURE
The database in MySQL is using a simple data design, it consist only 4 tables which is connected to each other. There will be one main table to contain user general data and user id that will be the key to connect to other table. There will also be the id for data order if needed in the website. Below is the construction visualization.
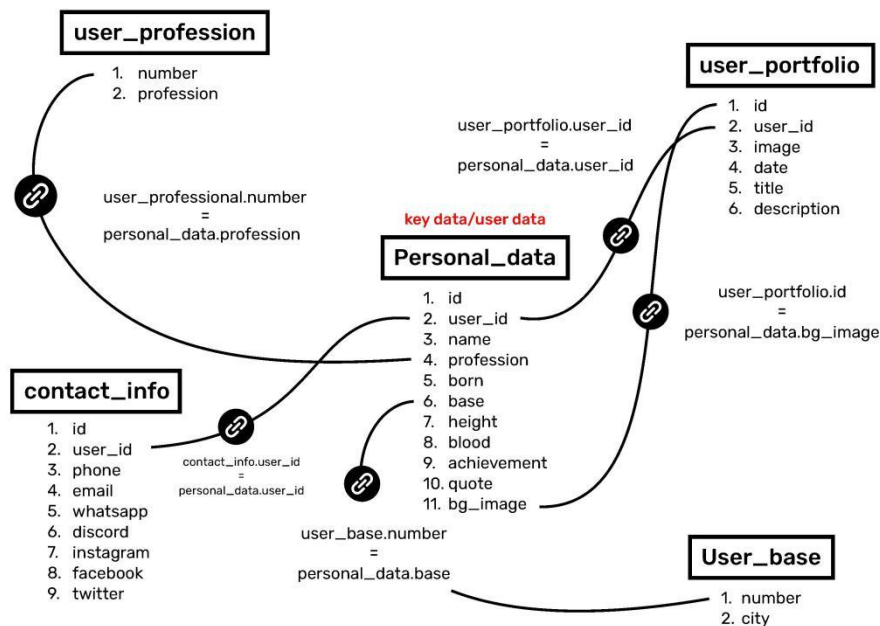
We use the user_id, profession, base, and bg_image data as a unique code to identify any data that is supposed to be connected to the user.

THE TABLES
Here are the visual of the tables and its content. The detail setting of each column with be included under the image.

1. Personal_data

Id
Here, the 'id' uses INTEGER (INT) which will set the column to be a number without decimal and uses maximum digits which is 11 to allow us to put as many data as we can. The Auto

Increment is on here, because the function is to give a column one unique number automaticaly, it also meant to order the entire column.

User_id
'User_id' is like the id but it's not generated automatically, it uses combination of number and text to make it unique. The function is to be the key to connect the user to other data. The setting is varchar with maximum 255 characters, it uses varchar because it's more flexible (it can be text + number).

Name
'Name' is just the name of the user, same as user_id, it uses varchar with maximum 255 characters.

Profession
The 'profession' column will need to be combine with other data in the query, so here, it only contains number. It uses INTEGER (INT) with maximum 11 digits.

Date
'Date' uses date setting.

Base
Similar to 'profession' column, the setting is INTEGER (INT) with maximum 11 digits.

Height
'Height' uses varchar with maximum 255 characters.

Blood
'Blood' uses varchar with maximum 255 characters.

Achievement
'Achievement' uses varchar with maximum 255 characters.

Quote
'Quote' uses varchar with maximum 255 characters.

Bg_image
'bg_image' uses INTEGER (INT) with maximum 11 digits because it will be connected to other data.

2. Contact Us

Id

This column uses INTEGER (INT) with maximum 11 digits and Auto Increment active to make it automatically filled.

User_id

This column will be connected to personal_data to call out contact info data that is correlated to the specific user. This column uses varchar with maximum 255 characters.

Email

This column is just a text, so it uses varchar with maximum 255 characters.

Whatsapp

'Whatsapp' uses varchar with maximum 255 characters.

Discord

'Discord' uses varchar with maximum 255 characters.

Instagram

'Instagram' uses varchar with maximum 255 characters.

Facebook

'Facebook' uses varchar with maximum 255 characters.

Twitter

'Twitter' uses varchar with maximum 255 characters.

3. User_portfolio

Id

'Id' uses INTEGER (INT) with maximum 11 digits and Auto Increment active.

User_id

'User_id' uses varchar with maximum 255 characters.

Image

'Image' uses varchar with maximum 255 characters.

Date
This time, 'date' uses varchar with maximum 255 characters because it's designed to be able to contain not only number but text as well.

Title
'Title' uses varchar with maximum 255 characters.

Documentation
'Documentation' uses varchar with maximum 255 characters.

4. User_base

User_base is data of cities in Indonesia, it will be utilized as a database for user's home city. The concept is to give each city a unique number so the data can be called out.

Number
As any other tables above, 'Number' uses INTEGER (INT) with maximum 11 digits.

City
'City' uses varchar with maximum 255 characters.

5. User_profession

Number
As any other tables above, 'Number' uses INTEGER (INT) with maximum 11 digits.

City
'City' uses varchar with maximum 255 characters.

THE QUERIES

There are 5 separated tables, so before the data is called out in the website, it should be arranged and connected first in the MySQL using query. The explanation will be divided into 2 main page template of the website, 'home' and 'artist page'.

1. Home page
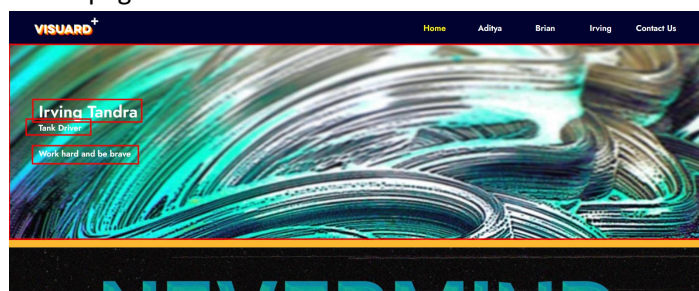
The background image is called out from user_portfolio table with the help of bg_image column in personal_data as an identification. The data is not only the image, it also called out name, user_profession, and quote from personal_data. For the user_profession, it's also being used as an identification.

Query:
SELECT
(SELECT **name**) AS **name**,
(SELECT **user_profession.profession** FROM **user_Profession** WHERE **personal_data.profession** = **user_profession.number**) AS **user_profession**,
(SELECT **user_portfolio.image** FROM **user_portfolio** WHERE **personal_data.bg_image** = **user_portfolio.id**) AS **user_portfolio**,
(SELECT **quote**) AS **quote**
FROM **personal_data**

From that query, the PHP will take the column to be put inside website as being shown below.

```php
<?php
foreach ($rows as $row) {
  echo '<div class="a-card"><div class="artist-card"><img class="artist-img-inside" src="';
  echo $row['user_portfolio'];
  echo '"><div class="info-txt"><div class="info-txt-title">';
  echo $row['name'];
  echo '</div>';
  echo '<div class="info-txt-body">';
  echo $row['user_profession'];
  echo '</div>';
  echo '<div class="info-txt-body2">';
  echo $row['quote'];
  echo '</div>';
  echo '</div>';
  echo '</div>';
  echo '</div>';
}
?>
```

2. Artist Page

Header
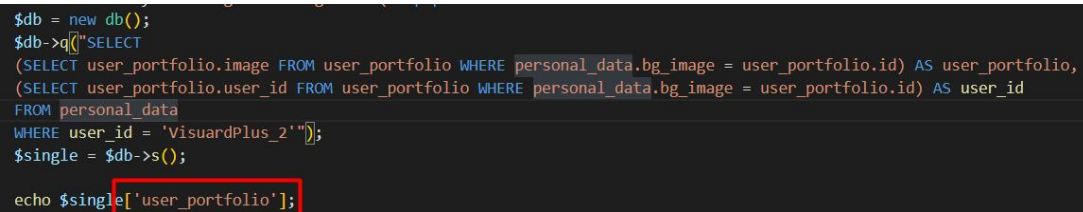
The Query for this is very similar to 'home'. This part uses background image that is being called out from user_portfolio with the help of bg_image from personal_data. Other like name, profession, and quote is directly called out from personal_data.

Query for Background image:
SELECT
(SELECT **user_portfolio.image** FROM **user_portfolio** WHERE **personal_data.bg_image** = **user_portfolio.id**) AS **user_portfolio**,
(SELECT **user_portfolio.user_id** FROM **user_portfolio** WHERE **personal_data.bg_image** = **user_portfolio.id**) AS **user_id**
FROM **personal_data**
WHERE **user_id** = 'VisuardPlus_2'

The last line "WHERE user_id = 'VisuardPlus_2" is very crucial because it defined which the row we want, the row that is connected to 'VisuardPlus_2'
Here, the data is being put inside the website
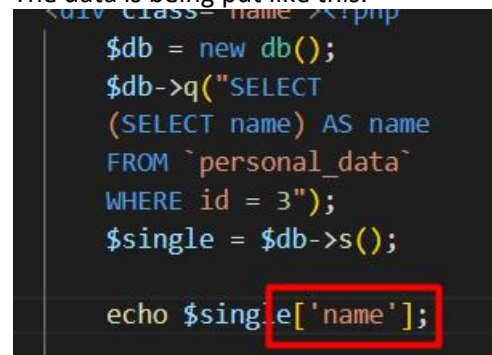
```
$db = new db();
$db->q("SELECT
(SELECT user_portfolio.image FROM user_portfolio WHERE personal_data.bg_image = user_portfolio.id) AS user_portfolio,
(SELECT user_portfolio.user_id FROM user_portfolio WHERE personal_data.bg_image = user_portfolio.id) AS user_id
FROM personal_data
WHERE user_id = 'VisuardPlus_2'");
$single = $db->s();

echo $single['user_portfolio'];
```

Query for Name:
SELECT
(SELECT **name**) AS **name**
FROM `**personal_data**`
WHERE **id** = 3

Same thing as the background image, last line "WHERE id = 3" defined which row we want.
The data is being put like this.

```
$db = new db();
$db->q("SELECT
(SELECT name) AS name
FROM `personal_data`
WHERE id = 3");
$single = $db->s();

echo $single['name'];
```

Query for Profession:
SELECT
(SELECT **user_profession.profession** FROM **user_Profession** WHERE **personal_data.profession** = **user_profession.number**) AS **user_profession**
FROM **personal_data**
WHERE **id** = 3

The data is being put in the website like this

```php
$db = new db();
$db->q("SELECT
(SELECT user_profession.profession FROM user_Profession WHERE personal_data.profession = user_professi
FROM personal_data
WHERE id = 3
LIMIT 50");
$single = $db->s();

echo $single['user_profession'];

?></div>
```
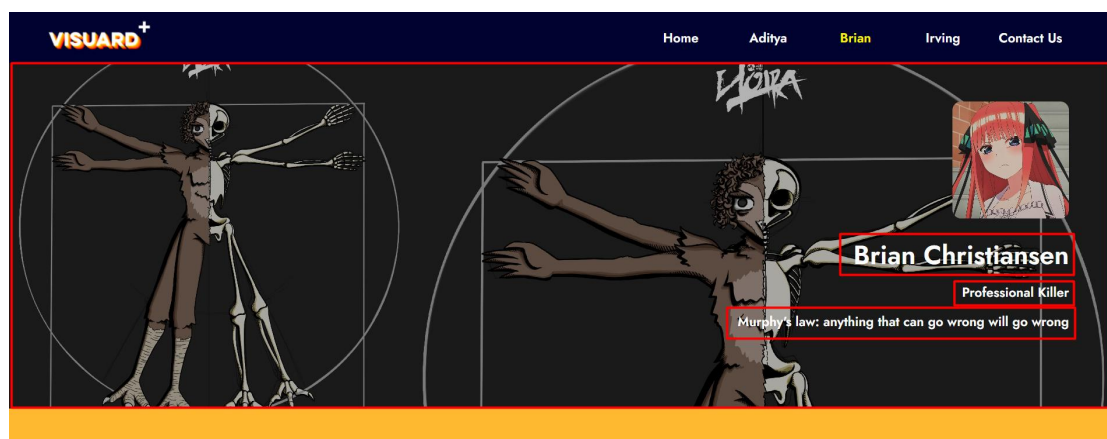
Query for Profession:
SELECT
(SELECT **quote**) AS **quote**
FROM **personal_data**
WHERE **id** = 3

The data is put in the website like this

```php
$db = new db();
$db->q("SELECT
(SELECT quote) AS quote
FROM personal_data
WHERE id = 3
LIMIT 50");
$single = $db->s();

echo $single['quote'];

?></div>
```

User Biodata

This type of data is being called out mostly only from personal_data table, except 'birth place' data. So the query is very simple for each of them.

Query for Born:
SELECT
(SELECT **born**) AS **born**
FROM `**personal_data**`
WHERE **id** = 3

The line 3 and 4 is crucial key here, because it can point out which data we want. Line 2 will tell the data to select column 'born' and line 4 will select only row 3. It's like X and Y as a coordinate.
The data is being put like this

```php
<div class="icon-txt"><?php
    $db = new db();
    $db->q("SELECT
    (SELECT born) AS born
    FROM `personal_data`
    WHERE id = 3");
    $single = $db->s();

    echo $single['born'];

?></div>
```

Query for Birth Place:
SELECT
(SELECT **user_base.city** FROM **user_base** WHERE **personal_data.base** = **user_base.number**) AS
user_base
FROM **personal_data**
WHERE **id** = 3

Here's the exception, birth place data is being called out from user_base table with the help from base of prsonal_data table. The data is being put like this.

```php
<div class="icon-txt"><?php
 $db = new db();
 $db->q("SELECT
 (SELECT user_base.city FROM user_base WHERE personal_data.base = user_base.number) AS user_base
 FROM personal_data
 WHERE id = 3");
 $single = $db->s();

 echo $single['user_base'];
```

Query for Height:
SELECT
(SELECT **height**) AS **height**
FROM **`personal_data`**
WHERE **id** = 3

The data is being put like this

```php
<div class="icon-txt"><?php
 $db = new db();
 $db->q("SELECT
 (SELECT height) AS height
 FROM `personal_data`
 WHERE id = 3");
 $single = $db->s();

 echo $single['height'];

?></div>
```

Query for Blood type:
SELECT
(SELECT **blood**) AS **blood**
FROM `personal_data`
WHERE **id** = 3

The data is being put like this

```php
<div class="icon-txt"><?php
    $db = new db();
    $db->q("SELECT
    (SELECT blood) AS blood
    FROM `personal_data`
    WHERE id = 3");
    $single = $db->s();

    echo $single['blood'];

    ?></div>
```

Query for Achievement:
SELECT
(SELECT **achievement**) AS **achievement**
FROM `personal_data`
WHERE **id** = 3

The data is being put like this

```php
<div class="icon-txt"><?php
    $db = new db();
    $db->q("SELECT
    (SELECT achievement) AS achievement
    FROM `personal_data`
    WHERE id = 3");
    $single = $db->s();

    echo $single['achievement'];

    ?></div>
```

User Portfolio
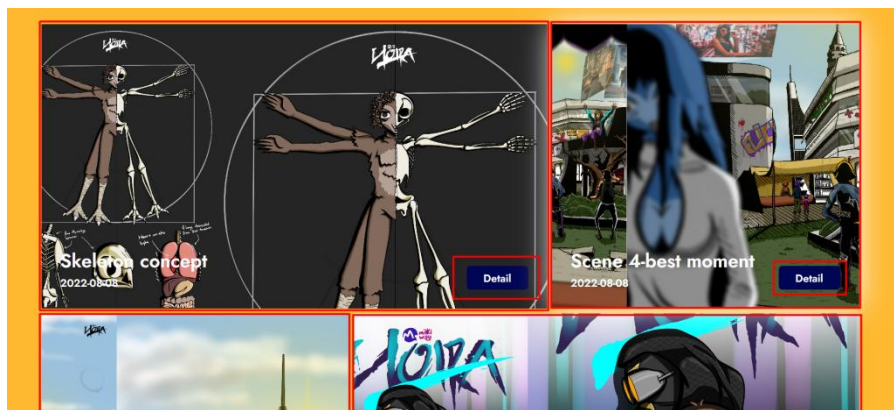
The user_portfolio part is very challenging, because It called out many rows and there's a pop up, so the treatment is different from 'home' page. The data is called out from user_portfolio with identifier of user_id. The queries are here below.

Query:
SELECT *
FROM `**user_portfolio**`
WHERE **user_id**='VisuardPlus_2'

Last line acts as an identifier, it called out multiple rows with user_id 'VisuardPlus_2'
The data is being put like this

```
foreach ($rows as $row) {
  echo '<div class="img"><img class="img-port" src="';
  echo $row['image'];
  echo '"><div class="img-title">';
  echo $row['title'];
  echo '</div>';
  echo '<div class="img-txt">';
  echo $row['date'];
  echo '</div>';
  echo '<div class="img-btn">';
  echo '<div class="img-btn-txt" onclick="document.getElementById(\'pop'.$row['id'].'\').style.display=\'block\'">Detail';
  echo '</div>';
  echo '</div>';
  echo '</div>';
  echo '<div id="pop'.$row['id'].'" class="popme">';
  echo '<div class="popup-img"><img class="popup-img-inside" src="';
  echo $row['image'];
  echo '" alt="">';
  echo '<div class="popup-img-title">';
  echo $row['title'];
  echo '</div>';
  echo '<div class="popup-img-date">';
  echo $row['date'];
  echo '</div>';
  echo '<div class="popup-img-copyright">';
  echo 'VISUARD+ © 2022, All Rights Reserved';
  echo '</div>';
  echo '</div>';
  echo '<div class="popup-txt">';
  echo $row['description'];
  echo '</div>';
  echo '<div class="popup-btn" onclick="document.getElementById(\'pop'.$row['id'].'\').style.display=\'none\'"><div class="popup-
  echo '</div>';
  echo '</div>';
  echo '</div>';
```

The pop up is also being included in the php sequence but the data like image, title, date is being called out twice (red and blue rectangles) because the pop up is unique to one portfolio (when user click the detail button, the pop up will appear with the same specific image, and the description will follow).
The green rectangles are the identifier for php to rewrite the html id so the pop up will appear depending on each portfolio.

User contact info

This is similar to biography section, it called out the data from contact_info with identifier of user_id and id number.

Query for phone number:
SELECT
(SELECT **contact_info.phone** FROM **contact_info** WHERE **personal_data.user_id** =
contact_info.user_id) AS **user_phone**
FROM **personal_data**
WHERE **id** = 3

Line 2 is to isolate the specific column and line 4 is to specified which data we want to call.
The data is being put like this

```php
<div class="icon-txt2"><?php
    $db = new db();
    $db->q("SELECT
    (SELECT contact_info.phone FROM contact_info WHERE personal_data.user_id = contact_info.user_id) AS user_phone
    FROM personal_data
    WHERE id = 3");
    $single = $db->s();

    echo $single['user_phone'];

    ?></div>
```

Query for email:
SELECT
(SELECT **contact_info.email** FROM **contact_info** WHERE **personal_data.user_id** =
contact_info.user_id) AS **user_email**
FROM **personal_data**
WHERE **id** = 3

The data is being put like this

```php
iv class="icon-txt2"><?php
    $db = new db();
    $db->q("SELECT
    (SELECT contact_info.email FROM contact_info WHERE personal_data.user_id = contact_info.user_id) AS user_email
    FROM personal_data
    WHERE id = 3");
    $single = $db->s();

    echo $single['user_email'];

    ?></div>
```

Query for whatsapp:
SELECT
(SELECT **contact_info.whatsapp** FROM **contact_info** WHERE **personal_data.user_id** =
contact_info.user_id) AS **user_wa**
FROM **personal_data**
WHERE **id** = 3

The data is being put like this

```php
iv class="icon-txt2"><?php
    $db = new db();
    $db->q("SELECT
    (SELECT contact_info.whatsapp FROM contact_info WHERE personal_data.user_id = contact_info.user_id) AS user_wa
    FROM personal_data
    WHERE id = 3");
    $single = $db->s();

    echo $single['user_wa'];
```

Query for discord:
SELECT
(SELECT **contact_info.discord** FROM **contact_info** WHERE **personal_data.user_id** =
contact_info.user_id) AS **user_dc**
FROM **personal_data**
WHERE **id** = 3

The data is being put like this

```php
<div class="icon-txt2"><?php
  $db = new db();
  $db->q("SELECT
  (SELECT contact_info.discord FROM contact_info WHERE personal_data.user_id = contact_info.user_id) AS user_dc
  FROM personal_data
  WHERE id = 3");
  $single = $db->s();

  echo $single['user_dc'];

  ?></div>
```

Query for instagram:
SELECT
(SELECT **contact_info.instagram** FROM **contact_info** WHERE **personal_data.user_id** = **contact_info.user_id**) AS **user_ig**
FROM **personal_data**
WHERE **id** = 3

The data is being put like this

```php
<div class="icon-txt2"><?php
  $db = new db();
  $db->q("SELECT
  (SELECT contact_info.instagram FROM contact_info WHERE personal_data.user_id = contact_info.user_id) AS user_ig
  FROM personal_data
  WHERE id = 3");
  $single = $db->s();

  echo $single['user_ig'];

  ?></div>
```

Query for facebook:
SELECT
(SELECT **contact_info.facebook** FROM **contact_info** WHERE **personal_data.user_id** = **contact_info.user_id**) AS **user_fb**
FROM **personal_data**
WHERE **id** = 3

The data is being put like this

```php
<div class="icon-txt2"><?php
    $db = new db();
    $db->q("SELECT
    (SELECT contact_info.facebook FROM contact_info WHERE personal_data.user_id = contact_info.user_id) AS user_fb
    FROM personal_data
    WHERE id = 3");
    $single = $db->s();

    echo $single['user_fb'];

    ?></div>
```

Query for twitter:
SELECT
(SELECT **contact_info.twitter** FROM **contact_info** WHERE **personal_data.user_id** = **contact_info.user_id**) AS **user_twt**
FROM **personal_data**
WHERE **id** = 3

The data is being put like this

```php
$db = new db();
$db->q("SELECT
(SELECT contact_info.twitter FROM contact_info WHERE personal_data.user_id = contact_info.user_id) AS user_twt
FROM personal_data
WHERE id = 3");
$single = $db->s();

echo $single['user_twt'];

?></div>
```