EIE4432 Web Systems and Technologies
Project Report

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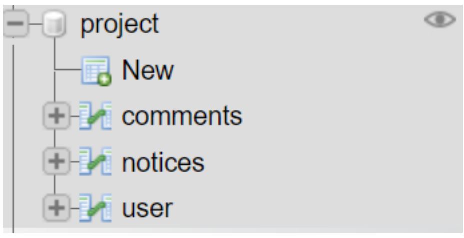
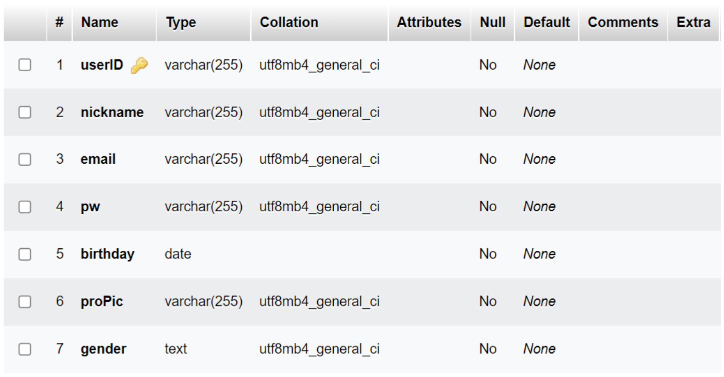
Introduction

In this project I am going to create a system of looking for lost item or report on founding the lost item. I am going to create a website based on the above directions and create several functions along with the lost item system. In this project, HTML, PHP, CSS will be used in the project to implement the layout, functions, logic flow or the basic interface of the website and the system. Also, Apache and phpMyAdmin will also be included. Apache will be used to host the website. It will be the server of the whole lost item system and the functions stored in it. phpMyAdmin will be used to store the data in the system, for example the data of each users, or the information of each notices.

Database Structure

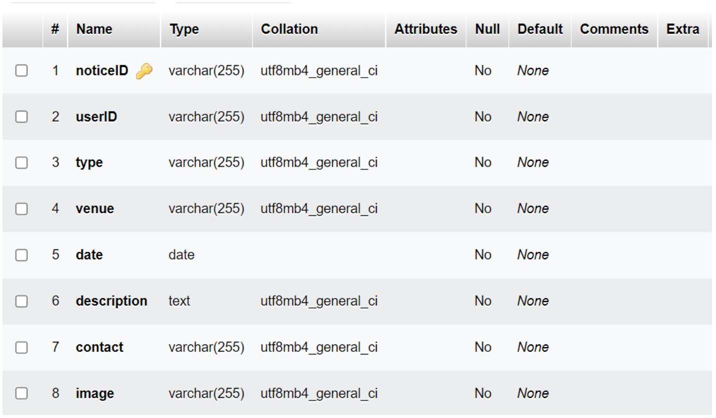
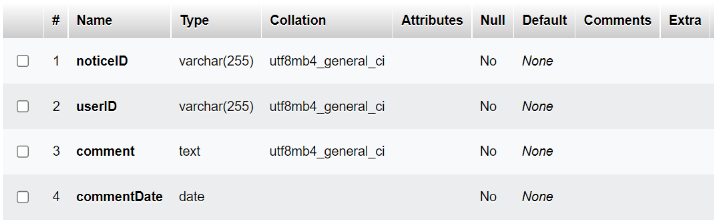
In this project one database is created to store the tables used in the system, called 'project'. In the 'project', there are 3 tables that are included to store different kinds of data:





	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
□	1	**userID** 🔑	varchar(255)	utf8mb4_general_ci		No	*None*		
□	2	**nickname**	varchar(255)	utf8mb4_general_ci		No	*None*		
□	3	**email**	varchar(255)	utf8mb4_general_ci		No	*None*		
□	4	**pw**	varchar(255)	utf8mb4_general_ci		No	*None*		
□	5	**birthday**	date			No	*None*		
□	6	**proPic**	varchar(255)	utf8mb4_general_ci		No	*None*		
□	7	**gender**	text	utf8mb4_general_ci		No	*None*		

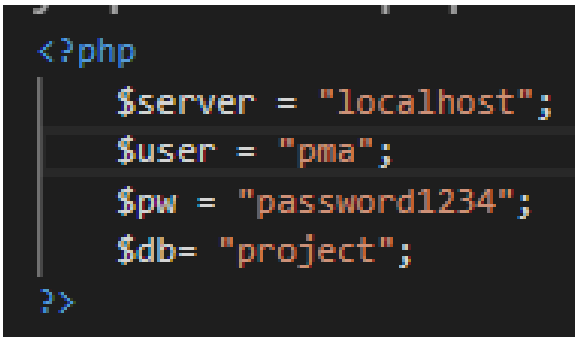
The user table stores the information of each users, including userID, nickname, email, pw(password), birthday, proPic(profile picture) and gender. In this table , the userID is set as the primary key since each user can only have one userID.

	The notices table stores the data of each notices, including noticeID, userID, type(lost/found), venue, date , description, contact and image. The noticeID is set as the primary key since each noticeID can only be appeared once.
	The comments table stores the data of the comments in each notices, including noticeID, userID, comment and comment date.

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
□	1	**noticeID** 🔑	varchar(255)	utf8mb4_general_ci		No	*None*		
□	2	**userID**	varchar(255)	utf8mb4_general_ci		No	*None*		
□	3	**type**	varchar(255)	utf8mb4_general_ci		No	*None*		
□	4	**venue**	varchar(255)	utf8mb4_general_ci		No	*None*		
□	5	**date**	date			No	*None*		
□	6	**description**	text	utf8mb4_general_ci		No	*None*		
□	7	**contact**	varchar(255)	utf8mb4_general_ci		No	*None*		
□	8	**image**	varchar(255)	utf8mb4_general_ci		No	*None*		

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
□	1	**noticeID**	varchar(255)	utf8mb4_general_ci		No	*None*		
□	2	**userID**	varchar(255)	utf8mb4_general_ci		No	*None*		
□	3	**comment**	text	utf8mb4_general_ci		No	*None*		
□	4	**commentDate**	date			No	*None*		

Mysql-connect.php

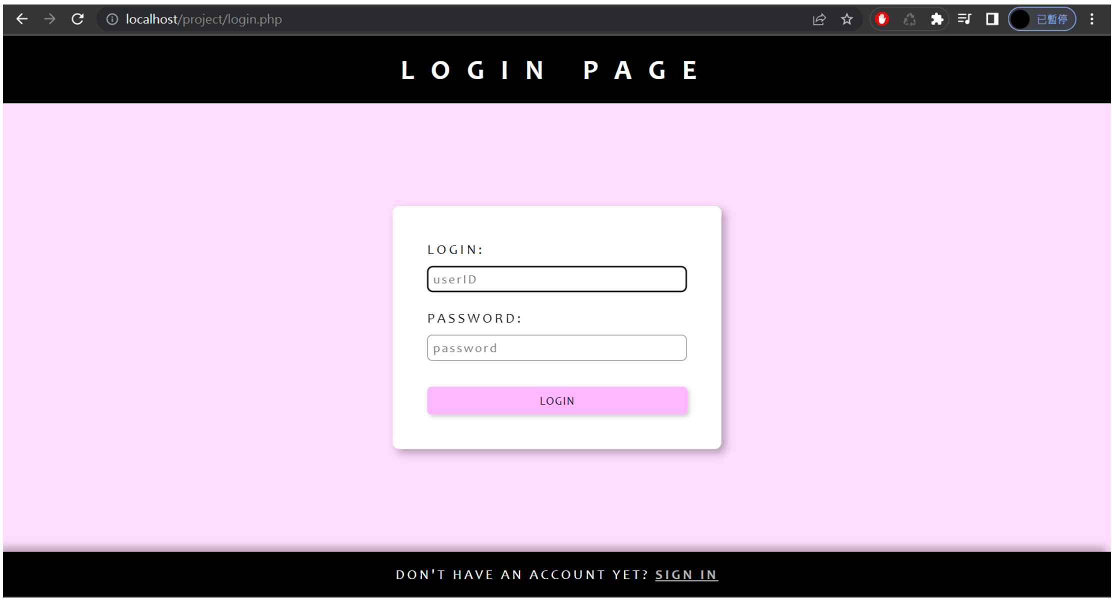


```php
<?php
    $server = "localhost";
    $user = "pma";
    $pw = "password1234";
    $db= "project";
?>
```

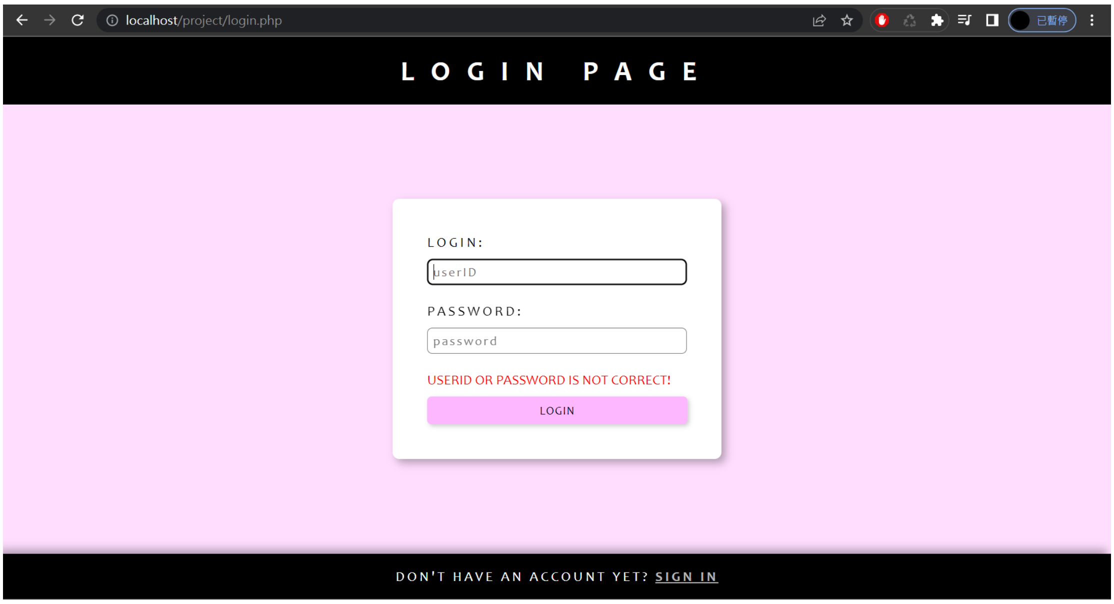
In this php files stores the information required for connecting the database so that the codes can be simplified every time when connection to the database has to be made.

<u>User Interfaces and functions</u>

Login.php


localhost/project/login.php
已暫停
LOGIN PAGE
LOGIN:
userID
PASSWORD:
password
LOGIN
DON'T HAVE AN ACCOUNT YET? SIGN IN

This is the login page of the system. User has to input the userID and password that was set when they registered in order to login to the system. If the user does not input the correct useId or password, or leaving the text box blank, an error message will appear and redirect the page to the same page.

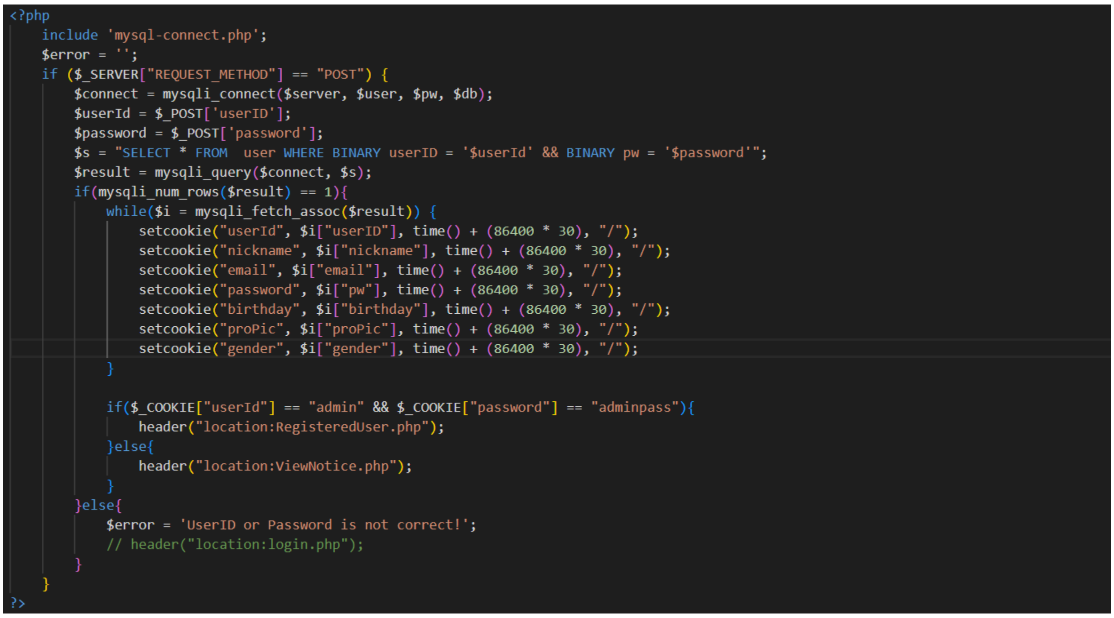

localhost/project/login.php
已暫停
LOGIN PAGE
LOGIN:
userID
PASSWORD:
password

USERID OR PASSWORD IS NOT CORRECT!

LOGIN
DON'T HAVE AN ACCOUNT YET? SIGN IN

For administrator, they can type ‘admin’ for the username and ‘adminpass’ as the password to login to the admin interface. For the users whos first visited of the website, they can click ont the ‘SIGN IN’ below to register an account. Once they have pressed the ‘login’ button, the page will be directed to SaveCookie.php

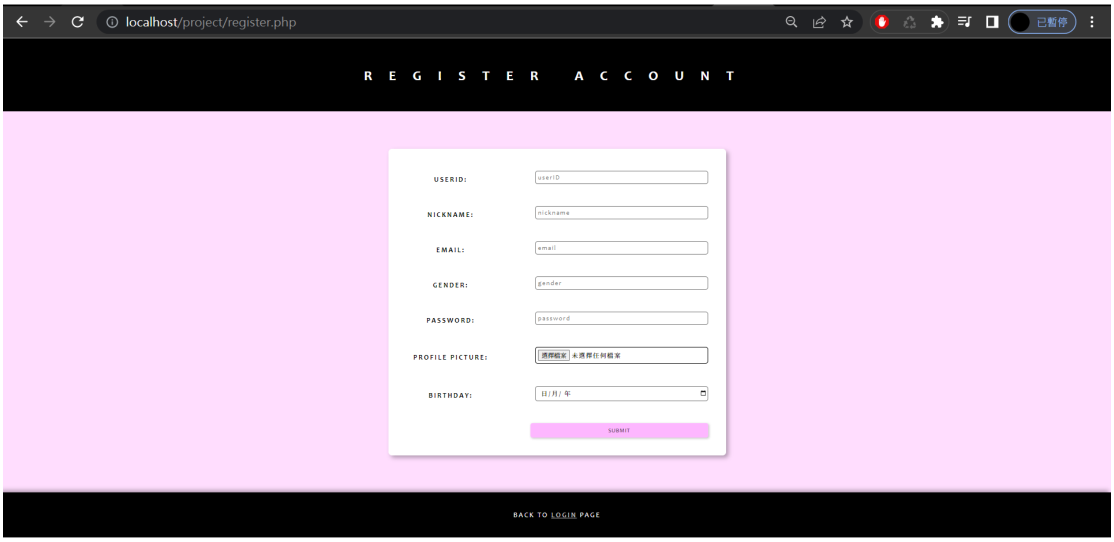
SaveCookie.php



```php
<?php
    include 'mysql-connect.php';
    $error = '';
    if ($_SERVER["REQUEST_METHOD"] == "POST") {
        $connect = mysqli_connect($server, $user, $pw, $db);
        $userId = $_POST['userID'];
        $password = $_POST['password'];
        $s = "SELECT * FROM  user WHERE BINARY userID = '$userId' && BINARY pw = '$password'";
        $result = mysqli_query($connect, $s);
        if(mysqli_num_rows($result) == 1){
            while($i = mysqli_fetch_assoc($result)) {
                setcookie("userId", $i["userID"], time() + (86400 * 30), "/");
                setcookie("nickname", $i["nickname"], time() + (86400 * 30), "/");
                setcookie("email", $i["email"], time() + (86400 * 30), "/");
                setcookie("password", $i["pw"], time() + (86400 * 30), "/");
                setcookie("birthday", $i["birthday"], time() + (86400 * 30), "/");
                setcookie("proPic", $i["proPic"], time() + (86400 * 30), "/");
                setcookie("gender", $i["gender"], time() + (86400 * 30), "/");
            }

            if($_COOKIE["userId"] == "admin" && $_COOKIE["password"] == "adminpass"){
                header("location:RegisteredUser.php");
            }else{
                header("location:ViewNotice.php");
            }
        }else{
            $error = 'UserID or Password is not correct!';
            // header("location:login.php");
        }
    }
?>
```

This is used to check whether the data input by the user is correct or not. If there is no rows returned, that means the user input did not match any of the data in the database. When it match, the corresponding data of the user will be saved in the cookies for further use in the system. When the admin login with the admin pass, the page will be directed to the admin page, otherwise it will be directed to the notice page.

Register.php



REGISTER ACCOUNT

USERID: userID

NICKNAME: nickname

EMAIL: email

GENDER: gender

PASSWORD: password

PROFILE PICTURE: 選擇檔案 未選擇任何檔案

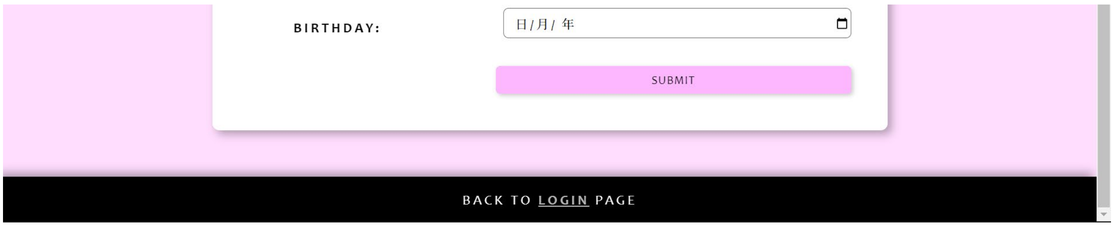
BIRTHDAY: 日/月/年

SUBMIT

BACK TO LOGIN PAGE

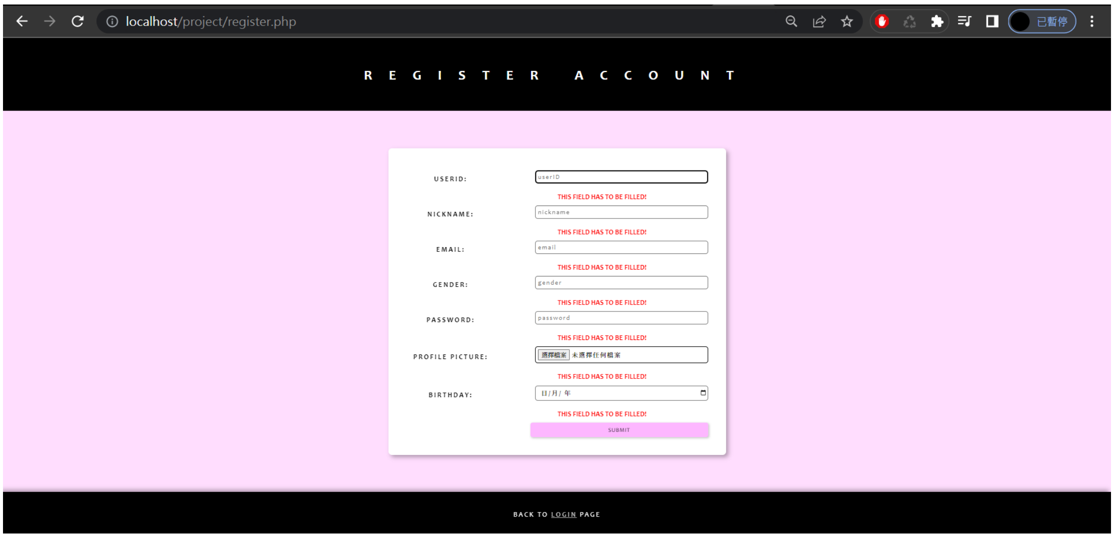
If the user clicked on the “SIGN IN” button on the footer of the login page, the page will be directed to register.php. User can register an account by fill in the form, including userID, nickname, email, gender, password, profile picture, and birthday.

User can return to the login page by clicking the “LOGIN” button in the footer of the page.



BIRTHDAY: 日/月/ 年

If the user didn’t input any one of the field an error message will appear on the field that the user did not input and request the user to reinput again in the same page.



localhost/project/register.php

REGISTER ACCOUNT

USERID: userID

THIS FIELD HAS TO BE FILLED!

NICKNAME: nickname

THIS FIELD HAS TO BE FILLED!

EMAIL: email

THIS FIELD HAS TO BE FILLED!

GENDER: gender

THIS FIELD HAS TO BE FILLED!

PASSWORD: password

THIS FIELD HAS TO BE FILLED!

PROFILE PICTURE: 選擇檔案 未選擇任何檔案

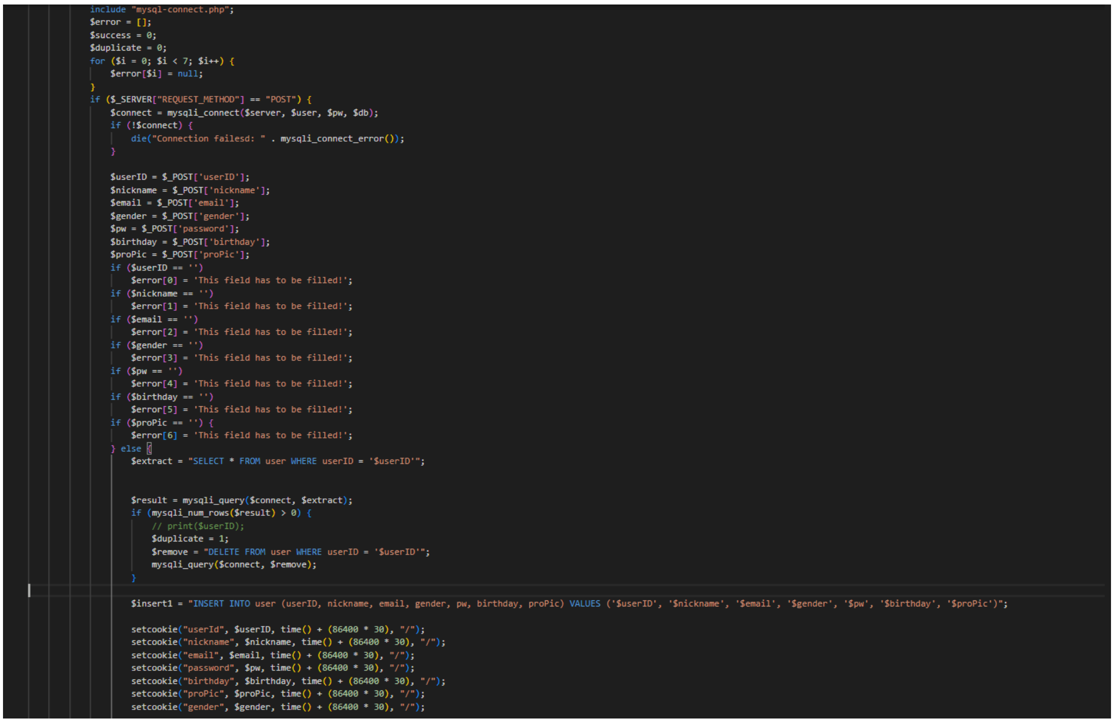
THIS FIELD HAS TO BE FILLED!

BIRTHDAY: 日/月/ 年

THIS FIELD HAS TO BE FILLED!

When the user clicked on the “SUBMIT” button, the file will be directed to registration.php.

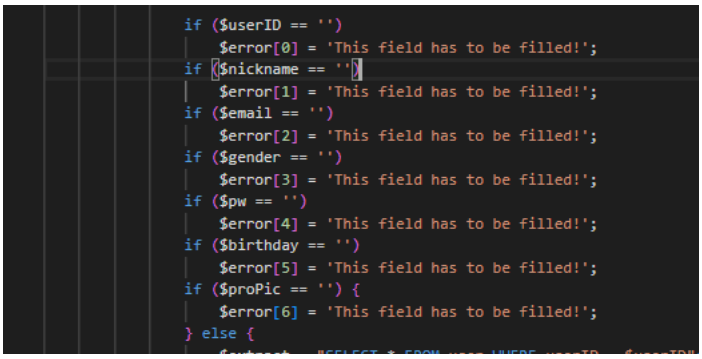
Registration.php



```php
include "mysql-connect.php";
$error = [];
$success = 0;
$duplicate = 0;
for ($i = 0; $i < 7; $i++) {
    $error[$i] = null;
}
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $connect = mysqli_connect($server, $user, $pw, $db);
    if (!$connect) {
        die("Connection failesd: " . mysqli_connect_error());
    }

    $userID = $_POST['userID'];
    $nickname = $_POST['nickname'];
    $email = $_POST['email'];
    $gender = $_POST['gender'];
    $pw = $_POST['password'];
    $birthday = $_POST['birthday'];
    $proPic = $_POST['proPic'];
    if ($userID == '')
        $error[0] = 'This field has to be filled!';
    if ($nickname == '')
        $error[1] = 'This field has to be filled!';
    if ($email == '')
        $error[2] = 'This field has to be filled!';
    if ($gender == '')
        $error[3] = 'This field has to be filled!';
    if ($pw == '')
        $error[4] = 'This field has to be filled!';
    if ($birthday == '')
        $error[5] = 'This field has to be filled!';
    if ($proPic == '') {
        $error[6] = 'This field has to be filled!';
    } else {
        $extract = "SELECT * FROM user WHERE userID = '$userID'";


        $result = mysqli_query($connect, $extract);
        if (mysqli_num_rows($result) > 0) {
            // print($userID);
            $duplicate = 1;
            $remove = "DELETE FROM user WHERE userID = '$userID'";
            mysqli_query($connect, $remove);
        }

        $insert1 = "INSERT INTO user (userID, nickname, email, gender, pw, birthday, proPic) VALUES ('$userID', '$nickname', '$email', '$gender', '$pw', '$birthday', '$proPic')";

        setcookie("userId", $userID, time() + (86400 * 30), "/");
        setcookie("nickname", $nickname, time() + (86400 * 30), "/");
        setcookie("email", $email, time() + (86400 * 30), "/");
        setcookie("password", $pw, time() + (86400 * 30), "/");
        setcookie("birthday", $birthday, time() + (86400 * 30), "/");
        setcookie("proPic", $proPic, time() + (86400 * 30), "/");
        setcookie("gender", $gender, time() + (86400 * 30), "/");
```

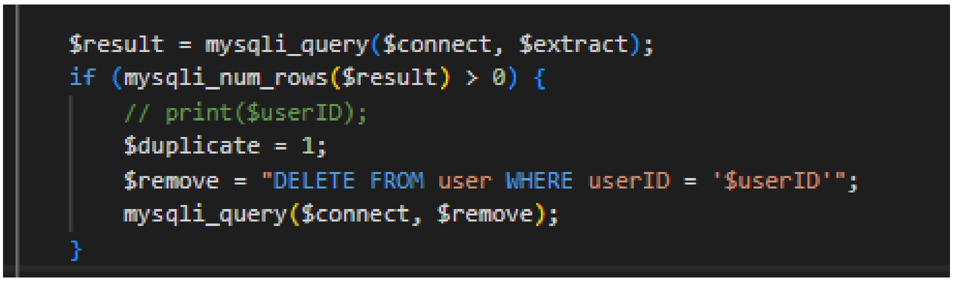
In this file the data of each input will be get and stored in the variable respectively.

This part is used to check if any of the field is empty. Each row is represented by an index and store the error message in the array, for example if the user did not input the userid, error[0] will be representing the userid field and insert the error message.



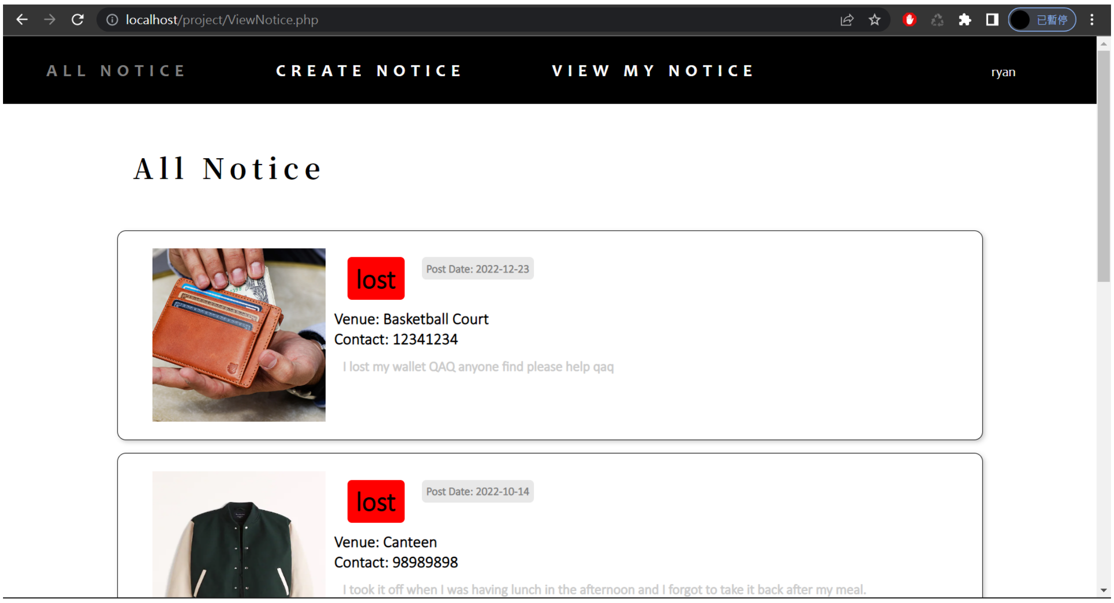
```php
if ($userID == '')
    $error[0] = 'This field has to be filled!';
if ($nickname == '')
    $error[1] = 'This field has to be filled!';
if ($email == '')
    $error[2] = 'This field has to be filled!';
if ($gender == '')
    $error[3] = 'This field has to be filled!';
if ($pw == '')
    $error[4] = 'This field has to be filled!';
if ($birthday == '')
    $error[5] = 'This field has to be filled!';
if ($proPic == '') {
    $error[6] = 'This field has to be filled!';
} else {
    $extract = "SELECT * FROM user WHERE userID = '$userID'"
```

Then open the database and insert the data to the database. The below command is used for updating the data of the profile for users. First load the number of userID to locate the data where the user wants to make updates. If the number of rows of the result > 1, that means the data already exist. Then delete the current data so that the new inserted data will no crash with the old data.



```
$result = mysqli_query($connect, $extract);
if (mysqli_num_rows($result) > 0) {
    // print($userID);
    $duplicate = 1;
    $remove = "DELETE FROM user WHERE userID = '$userID'";
    mysqli_query($connect, $remove);
}
```

ViewNotice.php

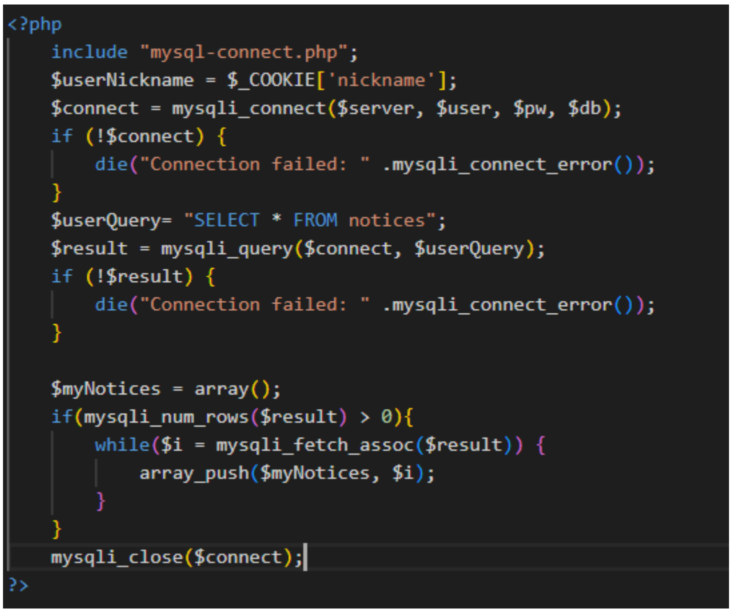


All Notice

lost
Post Date: 2022-12-23
Venue: Basketball Court
Contact: 12341234
I lost my wallet QAQ anyone find please help qaq

lost
Post Date: 2022-10-14
Venue: Canteen
Contact: 98989898
I took it off when I was having lunch in the afternoon and I forgot to take it back after my meal.

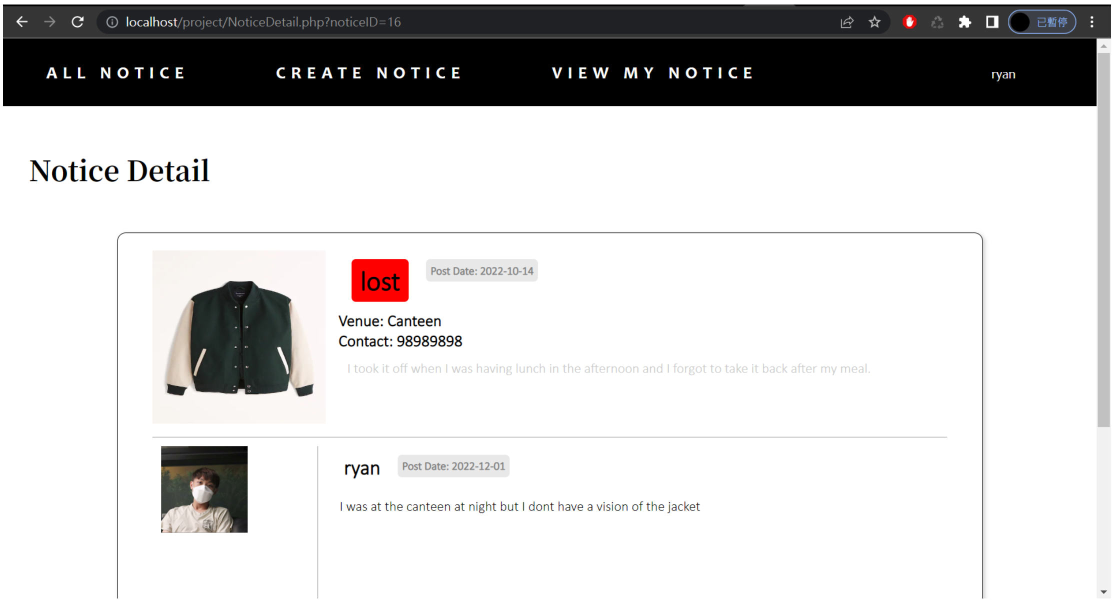
This is the page of displaying all the notices stored in the system. In the header there are 3 options on the left. Users can selected the button by clicking on it and they will be directed to different pages. For the options that the user is currently staying at, the color of the word will become gray and it cannot be selected.



```
<?php
    include "mysql-connect.php";
    $userNickname = $_COOKIE['nickname'];
    $connect = mysqli_connect($server, $user, $pw, $db);
    if (!$connect) {
        die("Connection failed: " .mysqli_connect_error());
    }
    $userQuery= "SELECT * FROM notices";
    $result = mysqli_query($connect, $userQuery);
    if (!$result) {
        die("Connection failed: " .mysqli_connect_error());
    }

    $myNotices = array();
    if(mysqli_num_rows($result) > 0){
        while($i = mysqli_fetch_assoc($result)) {
            array_push($myNotices, $i);
        }
    }
    mysqli_close($connect);
?>
```

This is the sql command that retrieve all the information of all notices(lost or found) in this website. Each notice is a clickable floating boxes. Users can click on the box to check for the detail of the notices. When the notice is clicked, the page will then be directed to the NoticeDetail.php.

NoticeDetail.php



Notice Detail

lost

Post Date: 2022-10-14

Venue: Canteen
Contact: 98989898

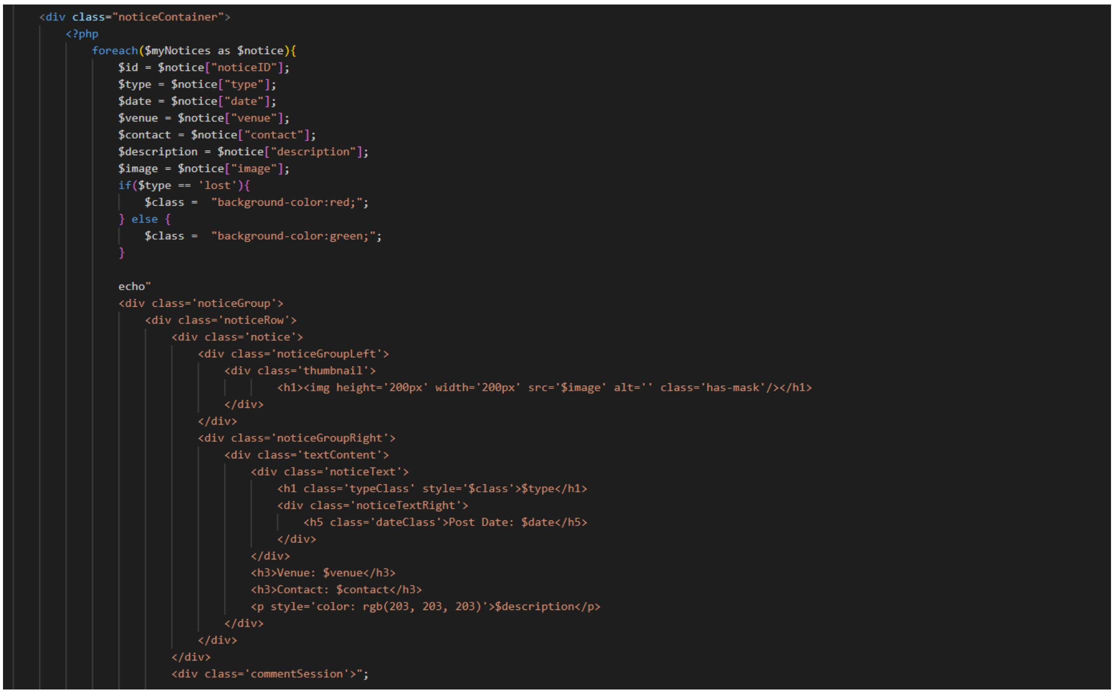
I took it off when I was having lunch in the afternoon and I forgot to take it back after my meal.

ryan

Post Date: 2022-12-01

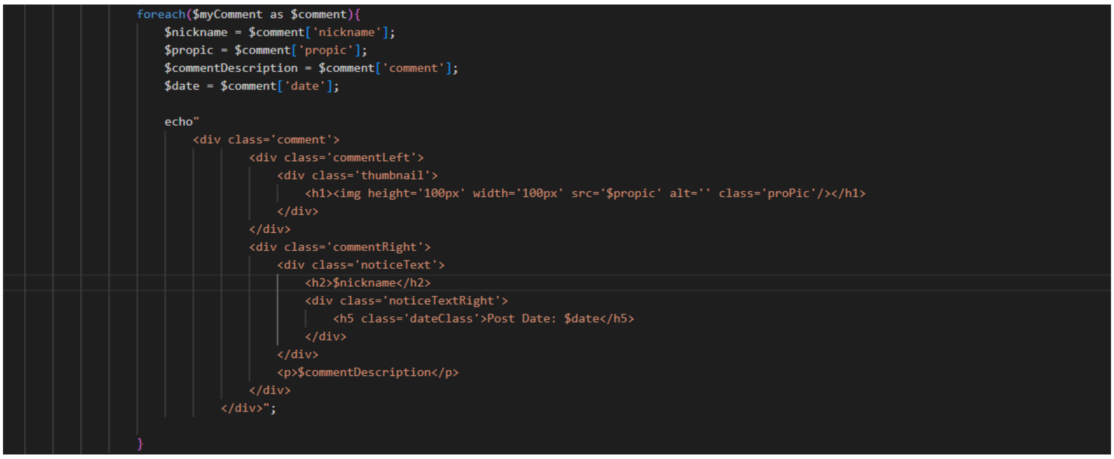
I was at the canteen at night but I dont have a vision of the jacket

It display the detail of the notice. If the type of the notice is lost, the background color of the type will be in red. On the other hand if it is found then it will be in green yellow. This page also include the comments related to the notices. The comments are stored in the “comments” database and each notices will have their own comments. In the Notice Detail,



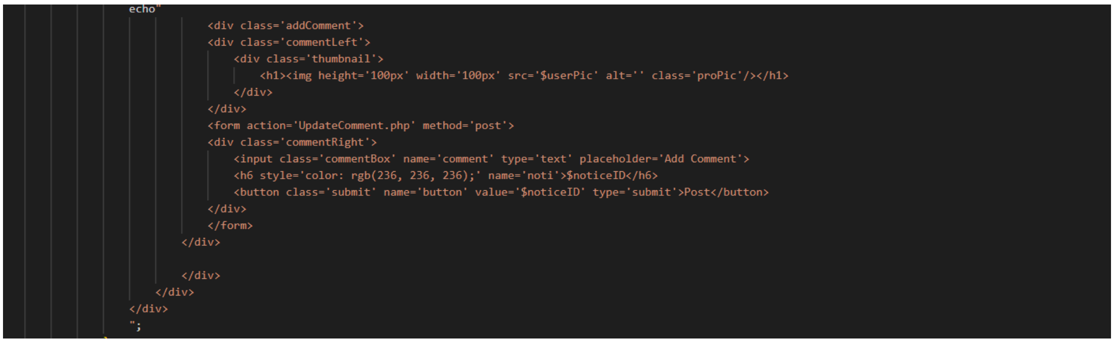
```
<div class="noticeContainer">
    <?php
        foreach($myNotices as $notice){
            $id = $notice["noticeID"];
            $type = $notice["type"];
            $date = $notice["date"];
            $venue = $notice["venue"];
            $contact = $notice["contact"];
            $description = $notice["description"];
            $image = $notice["image"];
            if($type == 'lost'){
                $class =  "background-color:red;";
            } else {
                $class =  "background-color:green;";
            }

            echo"
            <div class='noticeGroup'>
                <div class='noticeRow'>
                    <div class='notice'>
                        <div class='noticeGroupLeft'>
                            <div class='thumbnail'>
                                    <h1><img height='200px' width='200px' src='$image' alt='' class='has-mask'/></h1>
                            </div>
                        </div>
                        <div class='noticeGroupRight'>
                            <div class='textContent'>
                                <div class='noticeText'>
                                    <h1 class='typeClass' style='$class'>$type</h1>
                                    <div class='noticeTextRight'>
                                        <h5 class='dateClass'>Post Date: $date</h5>
                                    </div>
                                </div>
                                <h3>Venue: $venue</h3>
                                <h3>Contact: $contact</h3>
                                <p style='color: rgb(203, 203, 203)'>$description</p>
                            </div>
                        </div>
                    </div>
                    <div class='commentSession'>";
```

This part is used to display the detail of the notice

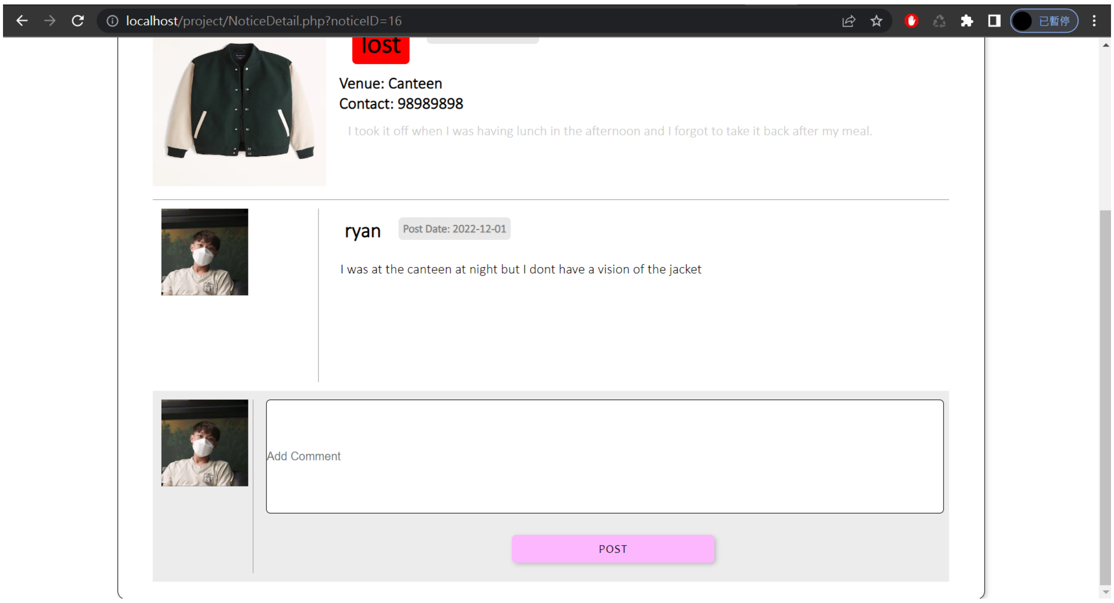


```
foreach($myComment as $comment){
    $nickname = $comment['nickname'];
    $propic = $comment['propic'];
    $commentDescription = $comment['comment'];
    $date = $comment['date'];

    echo"
        <div class='comment'>
                <div class='commentLeft'>
                    <div class='thumbnail'>
                        <h1><img height='100px' width='100px' src='$propic' alt='' class='proPic'/></h1>
                    </div>
                </div>
                <div class='commentRight'>
                    <div class='noticeText'>
                        <h2>$nickname</h2>
                        <div class='noticeTextRight'>
                            <h5 class='dateClass'>Post Date: $date</h5>
                        </div>
                    </div>
                    <p>$commentDescription</p>
                </div>
            </div>";

}
```

This part is used to display all the comments stored in each notices.



```
echo"
            <div class='addComment'>
            <div class='commentLeft'>
                <div class='thumbnail'>
                    <h1><img height='100px' width='100px' src='$userPic' alt='' class='proPic'/></h1>
                </div>
            </div>
            <form action='UpdateComment.php' method='post'>
            <div class='commentRight'>
                <input class='commentBox' name='comment' type='text' placeholder='Add Comment'>
                <h6 style='color: rgb(236, 236, 236);' name='noti'>$noticeID</h6>
                <button class='submit' name='button' value='$noticeID' type='submit'>Post</button>
            </div>
            </form>
        </div>

        </div>
    </div>
</div>
";
```



localhost/project/NoticeDetail.php?noticeID=16

lost

Venue: Canteen
Contact: 98989898

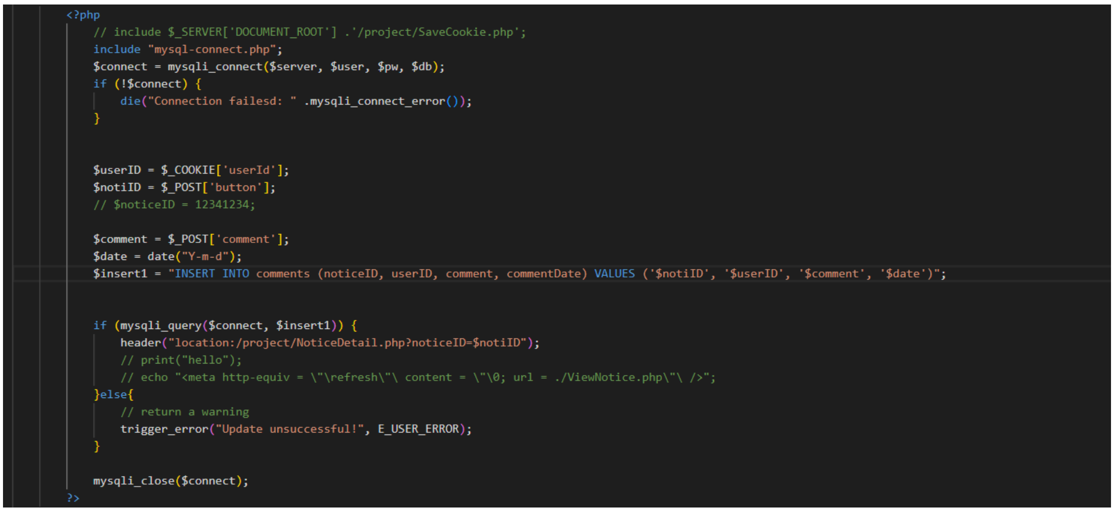
I took it off when I was having lunch in the afternoon and I forgot to take it back after my meal.

ryan Post Date: 2022-12-01

I was at the canteen at night but I dont have a vision of the jacket

And this part is used to display a text box for users to add new comments to the notices. After they have added new comments and press the button “post”, the page will the directed to the UpdateComment.php file.

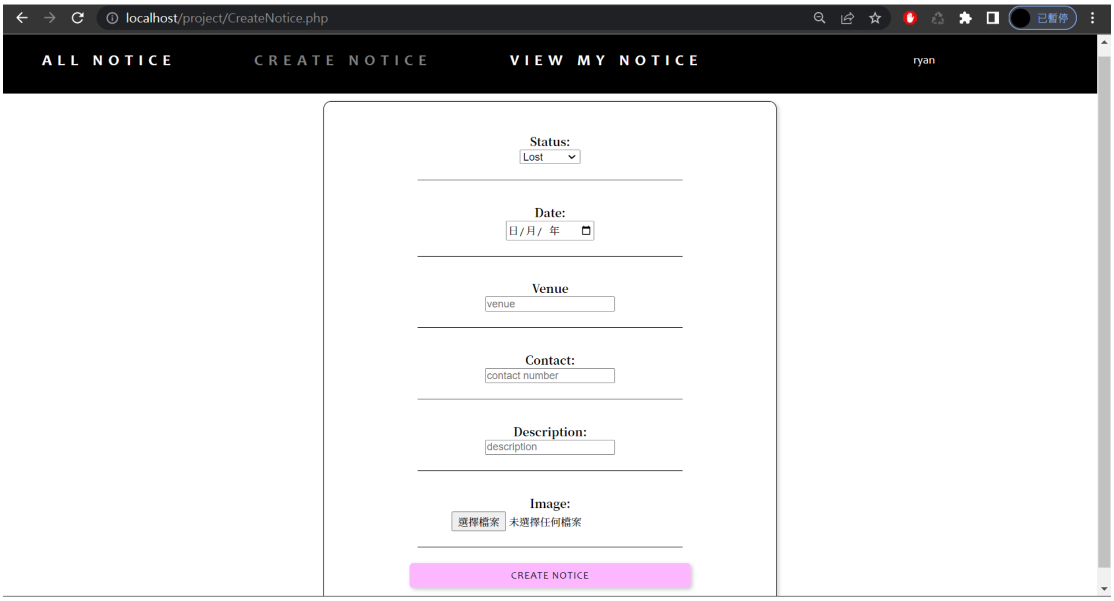
UpdateComment.php



```php
<?php
    // include $_SERVER['DOCUMENT_ROOT'] .'/project/SaveCookie.php';
    include "mysql-connect.php";
    $connect = mysqli_connect($server, $user, $pw, $db);
    if (!$connect) {
        die("Connection failesd: " .mysqli_connect_error());
    }


    $userID = $_COOKIE['userId'];
    $notiID = $_POST['button'];
    // $noticeID = 12341234;

    $comment = $_POST['comment'];
    $date = date("Y-m-d");
    $insert1 = "INSERT INTO comments (noticeID, userID, comment, commentDate) VALUES ('$notiID', '$userID', '$comment', '$date')";


    if (mysqli_query($connect, $insert1)) {
        header("location:/project/NoticeDetail.php?noticeID=$notiID");
        // print("hello");
        // echo "<meta http-equiv = \"\refresh\"\ content = \"\0; url = ./ViewNotice.php\"\ />";
    }else{
        // return a warning
        trigger_error("Update unsuccessful!", E_USER_ERROR);
    }

    mysqli_close($connect);
?>
```

Once the page is directed to this php file, it will first get the userId of the user who post the comment, the noticeId of the notice that the user is adding a comment on, the comment and the current date. After that these data will be inserted to the table and then redirect to the notice detail. The comments will be updated to the notice.

CreateNotice.php



localhost/project/CreateNotice.php

Status: Lost

Date: 日/月/ 年

Venue venue

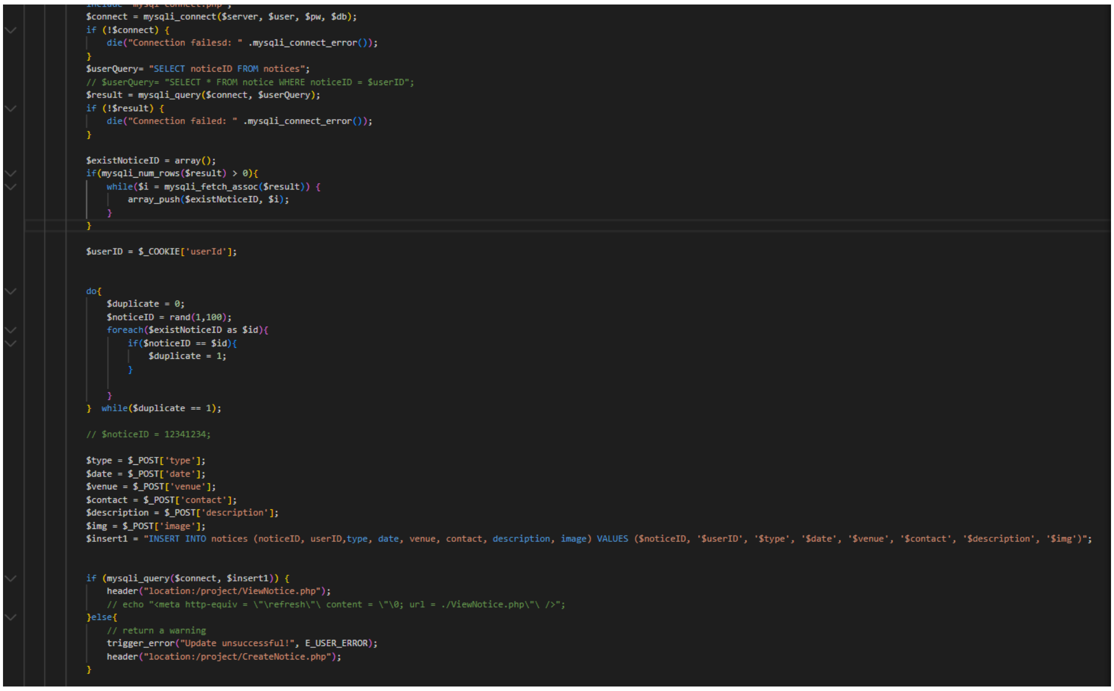
Contact: contact number

Description: description

Image: 選擇檔案 未選擇任何檔案

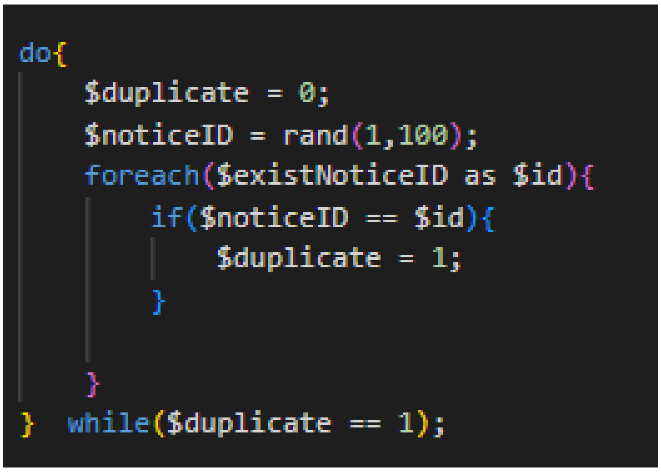
This page is used to created a new notice and post it to the notice board. After the user input all the items required in the table and click the “Create Notice” button, the file will be directed to “UpdateNotice.php”.

UpdateNotice.php



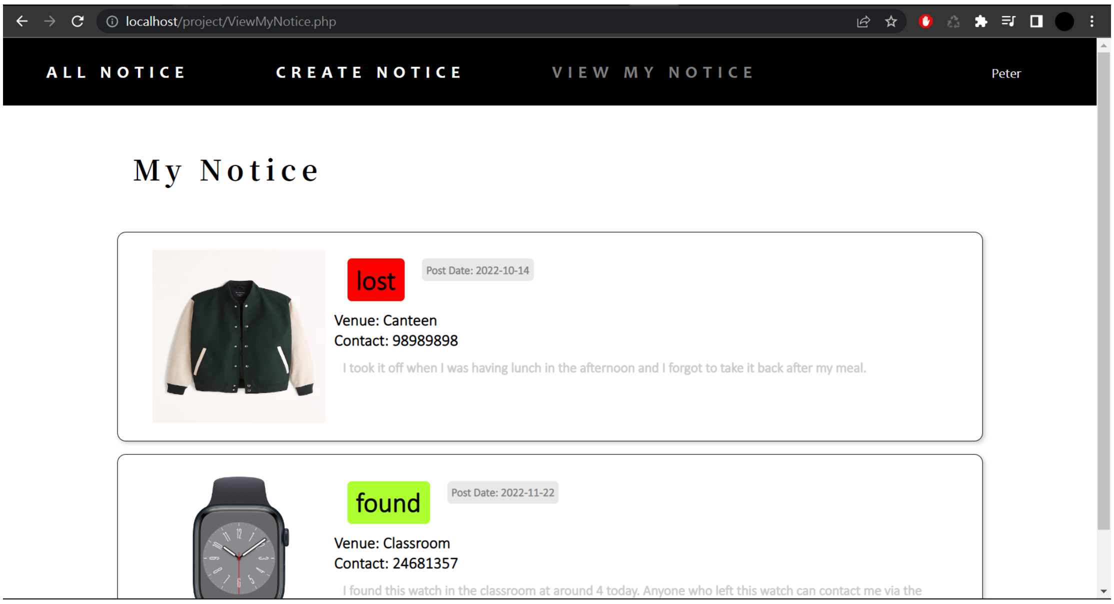
```
include "mysqli_connect.php";
$connect = mysqli_connect($server, $user, $pw, $db);
if (!$connect) {
    die("Connection failesd: " .mysqli_connect_error());
}
$userQuery= "SELECT noticeID FROM notices";
// $userQuery= "SELECT * FROM notice WHERE noticeID = $userID";
$result = mysqli_query($connect, $userQuery);
if (!$result) {
    die("Connection failed: " .mysqli_connect_error());
}

$existNoticeID = array();
if(mysqli_num_rows($result) > 0){
    while($i = mysqli_fetch_assoc($result)) {
        array_push($existNoticeID, $i);
    }
}

$userID = $_COOKIE['userId'];


do{
    $duplicate = 0;
    $noticeID = rand(1,100);
    foreach($existNoticeID as $id){
        if($noticeID == $id){
            $duplicate = 1;
        }

    }
}  while($duplicate == 1);

// $noticeID = 12341234;

$type = $_POST['type'];
$date = $_POST['date'];
$venue = $_POST['venue'];
$contact = $_POST['contact'];
$description = $_POST['description'];
$img = $_POST['image'];
$insert1 = "INSERT INTO notices (noticeID, userID,type, date, venue, contact, description, image) VALUES ($noticeID, '$userID', '$type', '$date', '$venue', '$contact', '$description', '$img')";


if (mysqli_query($connect, $insert1)) {
    header("location:/project/ViewNotice.php");
    // echo "<meta http-equiv = \"\refresh\"\ content = \"\0; url = ./ViewNotice.php\"\ />";
}else{
    // return a warning
    trigger_error("Update unsuccessful!", E_USER_ERROR);
    header("location:/project/CreateNotice.php");
}
```

This file is used to store the detail of the notice to the database. It will first get the exist noticeID. This is because each noticeID has to be unique. Therefore when generating a new noticeID, it is a random number generated from 1 to 100, and repeat the action if it is founded that the noticeID generated for the new notice is duplicated. Also get the userId of the user who created this notice using cookies. Lastly insert all the data to the table. Redirect the page to All Notice if the action is success, otherwise redirect to the create notice page and ask the user to reenter again.



```
do{
    $duplicate = 0;
    $noticeID = rand(1,100);
    foreach($existNoticeID as $id){
        if($noticeID == $id){
            $duplicate = 1;
        }

    }
}  while($duplicate == 1);
```

ViewMyNotice.php



My Notice

lost Post Date: 2022-10-14

Venue: Canteen
Contact: 98989898

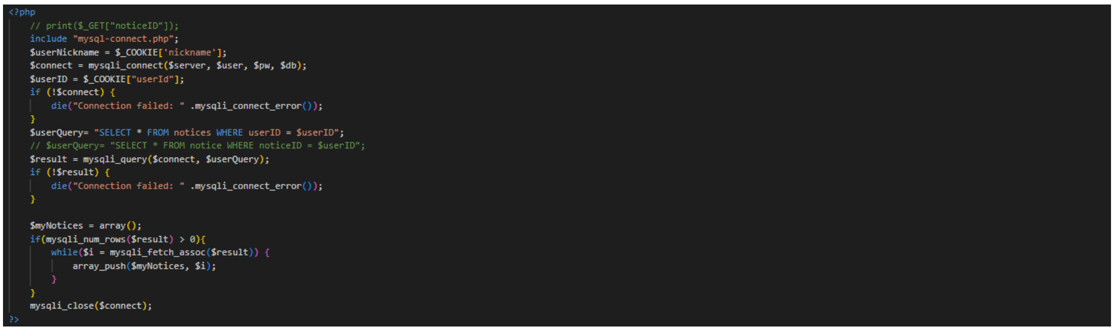
I took it off when I was having lunch in the afternoon and I forgot to take it back after my meal.

found Post Date: 2022-11-22

Venue: Classroom
Contact: 24681357

I found this watch in the classroom at around 4 today. Anyone who left this watch can contact me via the

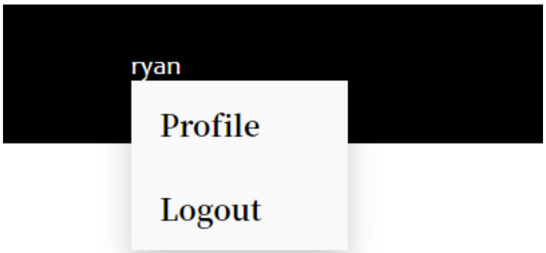
In this file the notices that was created by the user will be displayed. The data of the notice is extracted by recognizing the userID that stored in each notice in the database. The notice is filtered that only the notices that its userID match with the current user's userID will be displayed.



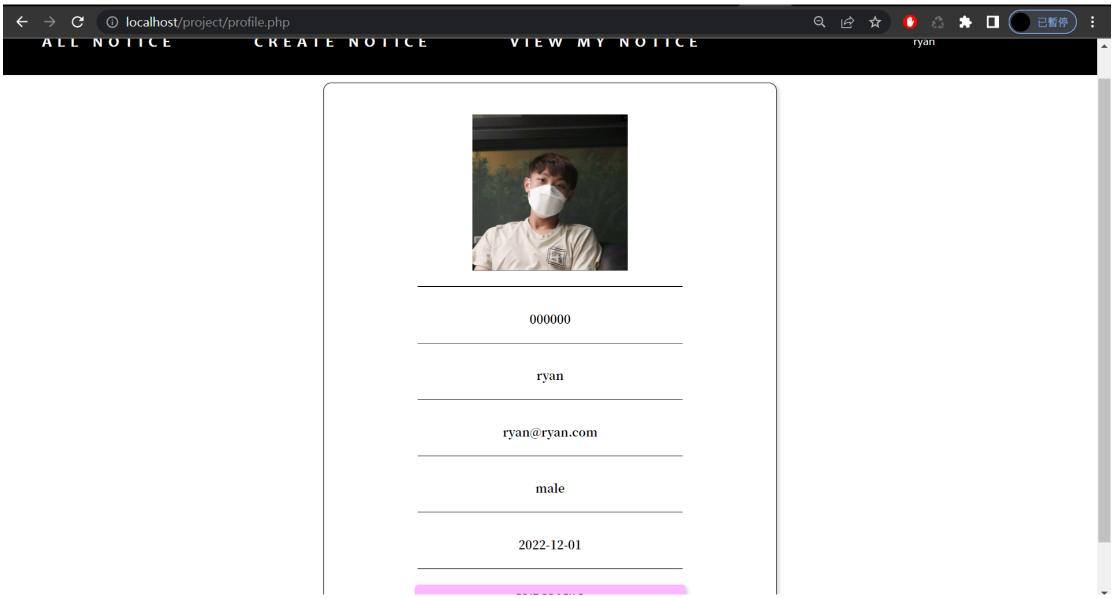
```
<?php
    // print($_GET["noticeID"]);
    include "mysql-connect.php";
    $userNickname = $_COOKIE['nickname'];
    $connect = mysqli_connect($server, $user, $pw, $db);
    $userID = $_COOKIE["userId"];
    if (!$connect) {
        die("Connection failed: " .mysqli_connect_error());
    }
    $userQuery= "SELECT * FROM notices WHERE userID = $userID";
    // $userQuery= "SELECT * FROM notice WHERE noticeID = $userID";
    $result = mysqli_query($connect, $userQuery);
    if (!$result) {
        die("Connection failed: " .mysqli_connect_error());
    }

    $myNotices = array();
    if(mysqli_num_rows($result) > 0){
        while($i = mysqli_fetch_assoc($result)) {
            array_push($myNotices, $i);
        }
    }
    mysqli_close($connect);
?>
```

Profile.php

When the user touch on his or her nickname in the header using the moues pointer, and drop down table will be shown on the screen.



Clicking on the profile button will direct the user to the profile page.



000000

ryan

ryan@ryan.com

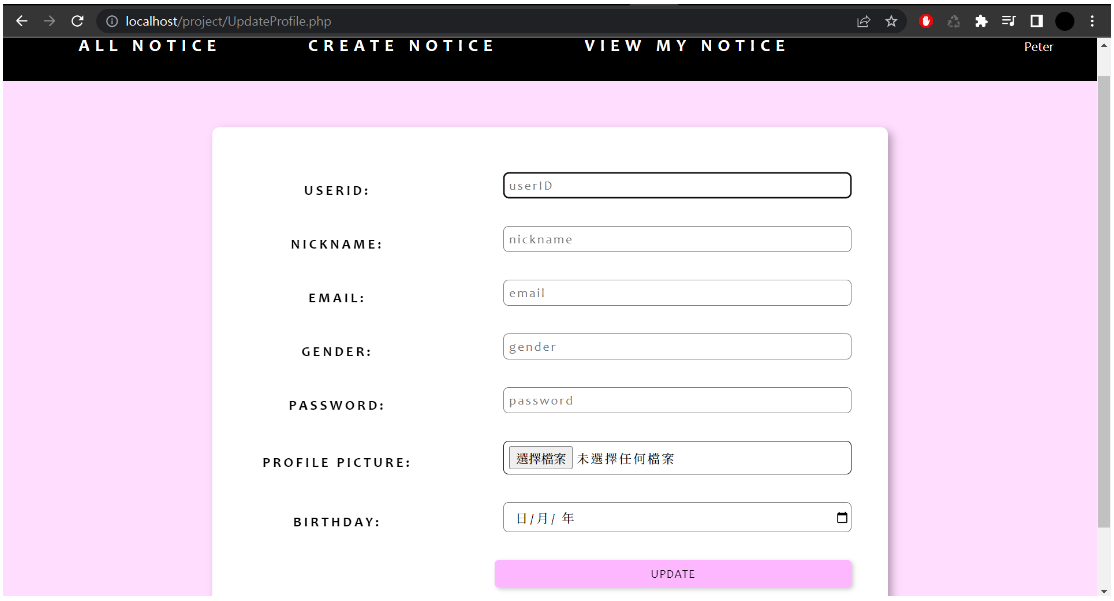
male

2022-12-01

The information of the user will be displayed as shown in the figure. All the data of the user are collected by getting the value of the cookies stored when the user login respectively. Clicking on the “Edit profile” button below will direct the user to the

UpdateProfile.php

UpdateProfile.php



USERID: userID

NICKNAME: nickname

EMAIL: email

GENDER: gender

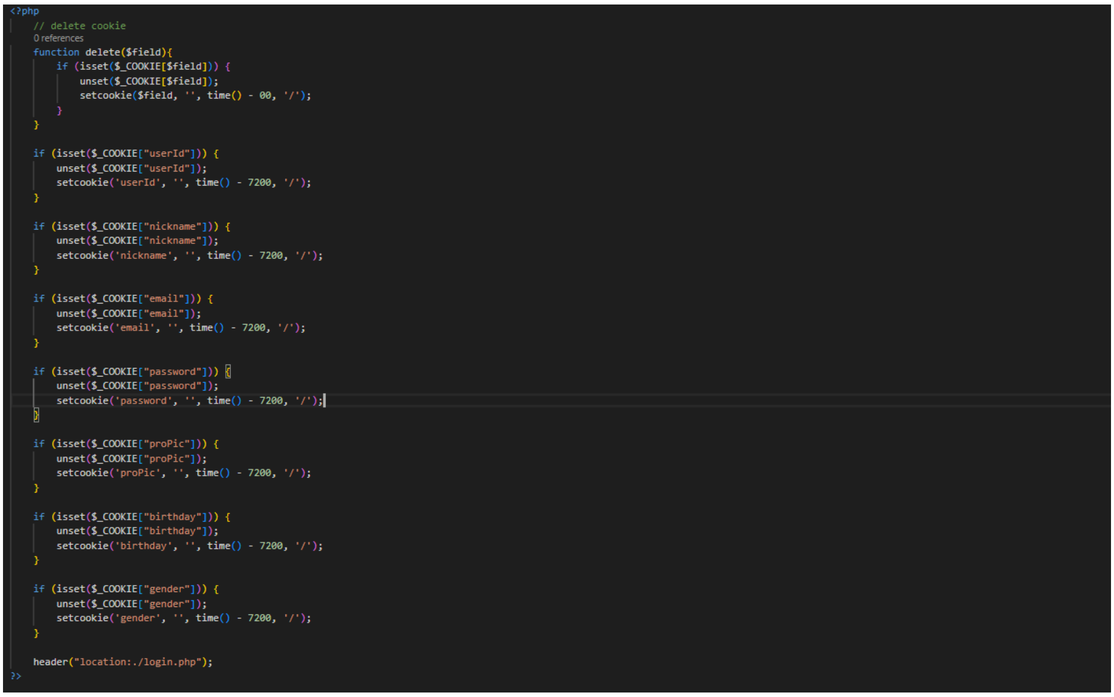
PASSWORD: password

PROFILE PICTURE: 選擇檔案 未選擇任何檔案

BIRTHDAY: 日/月/ 年

In this page user will be required to reenter all the information again. After inputting all the required data in the form and click the “Submit” button, the page will be directed to the registration.php file and perform the modification of the database.

Logout.php

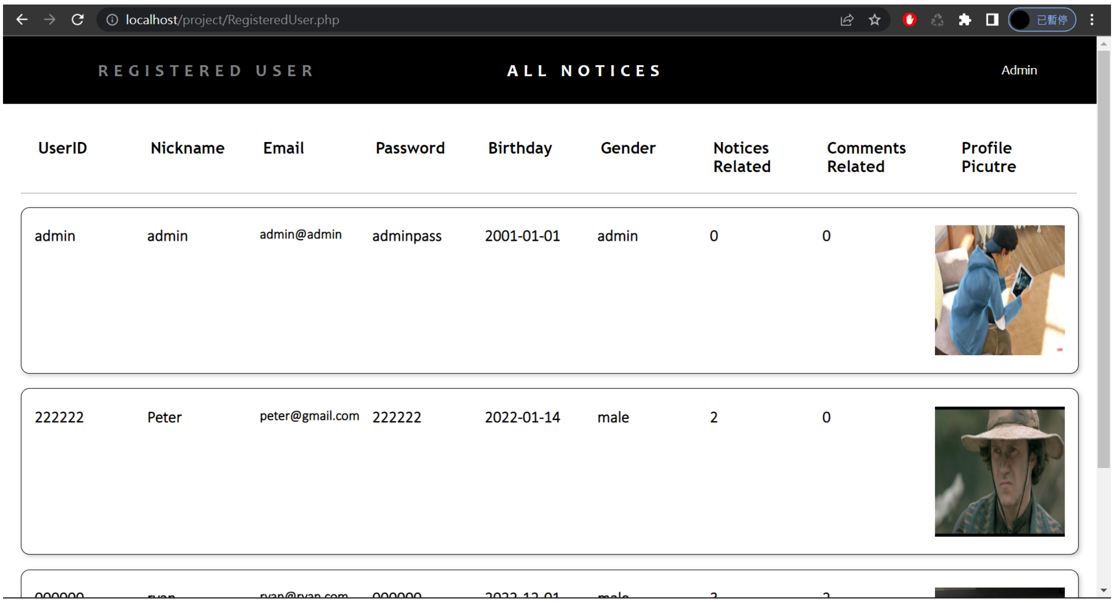


```php
<?php
    // delete cookie
    0 references
    function delete($field){
        if (isset($_COOKIE[$field])) {
            unset($_COOKIE[$field]);
            setcookie($field, '', time() - 00, '/');
        }
    }

    if (isset($_COOKIE["userId"])) {
        unset($_COOKIE["userId"]);
        setcookie('userId', '', time() - 7200, '/');
    }

    if (isset($_COOKIE["nickname"])) {
        unset($_COOKIE["nickname"]);
        setcookie('nickname', '', time() - 7200, '/');
    }

    if (isset($_COOKIE["email"])) {
        unset($_COOKIE["email"]);
        setcookie('email', '', time() - 7200, '/');
    }

    if (isset($_COOKIE["password"])) {
        unset($_COOKIE["password"]);
        setcookie('password', '', time() - 7200, '/');
    }

    if (isset($_COOKIE["proPic"])) {
        unset($_COOKIE["proPic"]);
        setcookie('proPic', '', time() - 7200, '/');
    }

    if (isset($_COOKIE["birthday"])) {
        unset($_COOKIE["birthday"]);
        setcookie('birthday', '', time() - 7200, '/');
    }

    if (isset($_COOKIE["gender"])) {
        unset($_COOKIE["gender"]);
        setcookie('gender', '', time() - 7200, '/');
    }

    header("location:./login.php");
?>
```

When the user click the “Logout” button in the drop down list, the file will be directed to “Logout.php”. In this file all the cookies that was set when the use log in will be deleted. They are removed by setting the expire time right before when the time it set the cookie. Once it is done, the file will then direct the page back to login.php.

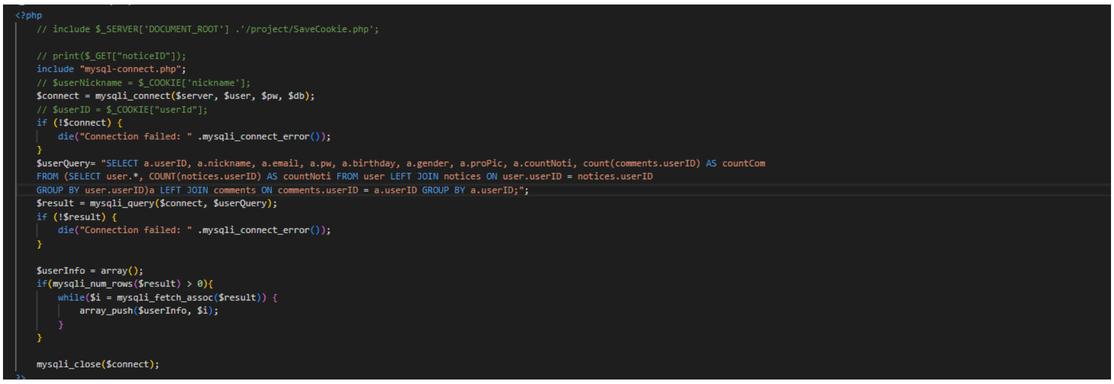
Admin Interface

When the admin type “admin” in the user id and type “adminpass” in the password, The page will be directed to the admin interface instead of the normal user interface.



UserID	Nickname	Email	Password	Birthday	Gender	Notices Related	Comments Related	Profile Picutre
admin	admin	admin@admin	adminpass	2001-01-01	admin	0	0	
222222	Peter	peter@gmail.com	222222	2022-01-14	male	2	0	
000000	ryan	ryan@ryan.com	000000	2022-12-01	male	2	2	

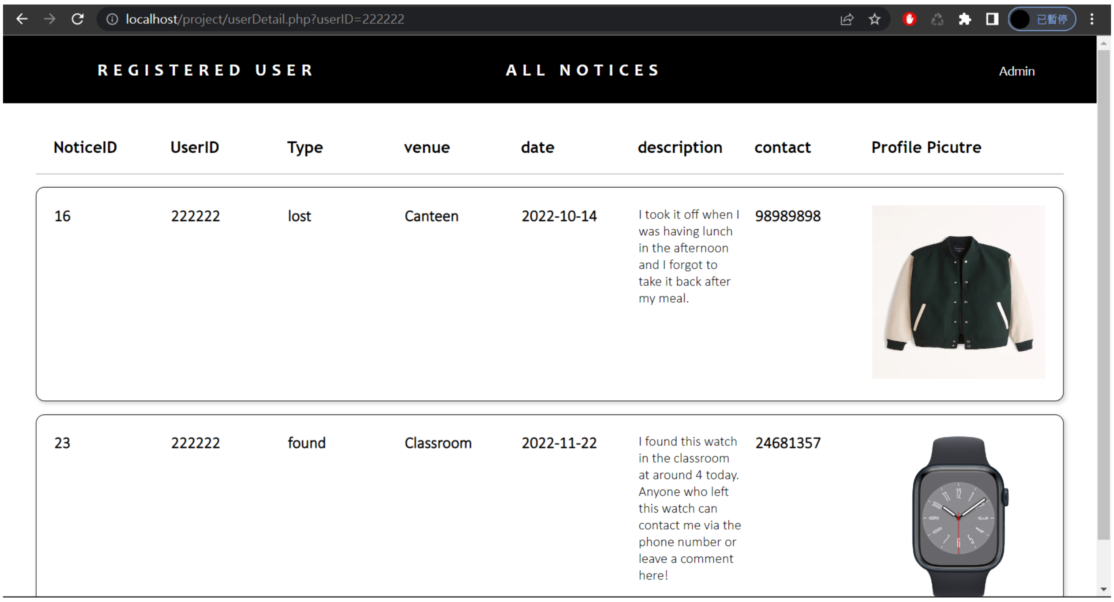
In each row the userID, nickname, email, password, birthday, gender, number of notice created, number of comments made and their profile picture. The data is extracted by joining the 3 tables. Using the technique of “Nested Select Statement” to draw the first group of data from user and notices, then using the result from previous selection to draw the data of the remaining group from user and comments.



```php
<?php
    // include $_SERVER['DOCUMENT_ROOT'] .'/project/SaveCookie.php';

    // print($_GET["noticeID"]);
    include "mysql-connect.php";
    // $userNickname = $_COOKIE['nickname'];
    $connect = mysqli_connect($server, $user, $pw, $db);
    // $userID = $_COOKIE["userId"];
    if (!$connect) {
        die("Connection failed: " .mysqli_connect_error());
    }
    $userQuery= "SELECT a.userID, a.nickname, a.email, a.pw, a.birthday, a.gender, a.proPic, a.countNoti, count(comments.userID) AS countCom
    FROM (SELECT user.*, COUNT(notices.userID) AS countNoti FROM user LEFT JOIN notices ON user.userID = notices.userID
    GROUP BY user.userID)a LEFT JOIN comments ON comments.userID = a.userID GROUP BY a.userID;";
    $result = mysqli_query($connect, $userQuery);
    if (!$result) {
        die("Connection failed: " .mysqli_connect_error());
    }

    $userInfo = array();
    if(mysqli_num_rows($result) > 0){
        while($i = mysqli_fetch_assoc($result)) {
            array_push($userInfo, $i);
        }
    }

    mysqli_close($connect);
?>
```

Each row of users are clickable boxes that allows admin to click on it and look for the detail of the user. The file will then direct the page to userDetail.php.

userDetail.php

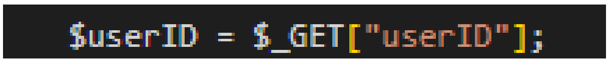


localhost/project/userDetail.php?userID=222222

REGISTERED USER ALL NOTICES Admin

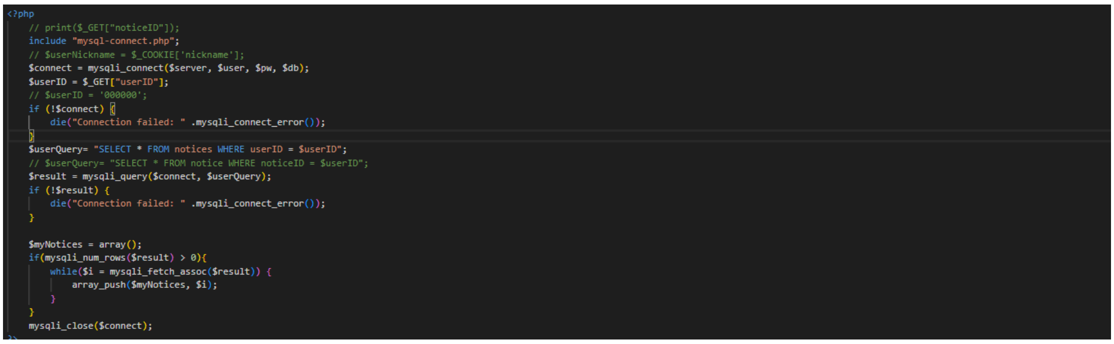
NoticeID	UserID	Type	venue	date	description	contact	Profile Picutre
16	222222	lost	Canteen	2022-10-14	I took it off when I was having lunch in the afternoon and I forgot to take it back after my meal.	98989898	
23	222222	found	Classroom	2022-11-22	I found this watch in the classroom at around 4 today. Anyone who left this watch can contact me via the phone number or leave a comment here!	24681357	

In this page the notices that was posted by the user will be displayed in this page. The userID of the selected user was first get by using the command below,



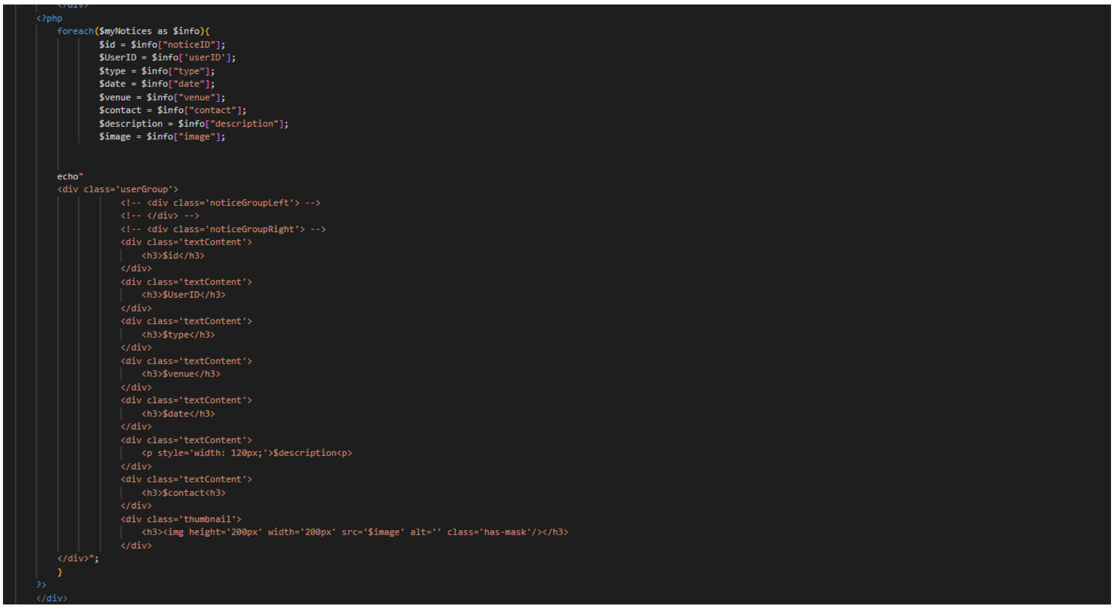
```
$userID = $_GET["userID"];
```

Then use a sql statement to draw the data from the table that are created by this user using its userID.



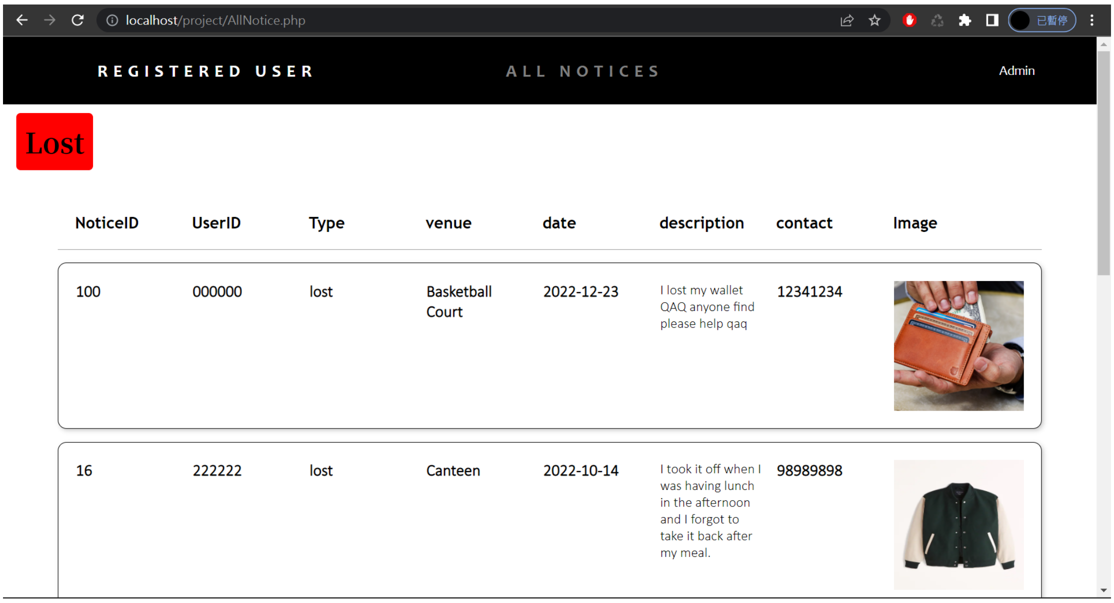
```
<?php
    // print($_GET["noticeID"]);
    include "mysql-connect.php";
    // $userNickname = $_COOKIE['nickname'];
    $connect = mysqli_connect($server, $user, $pw, $db);
    $userID = $_GET["userID"];
    // $userID = '000000';
    if (!$connect) {
        die("Connection failed: " .mysqli_connect_error());
    }
    $userQuery= "SELECT * FROM notices WHERE userID = $userID";
    // $userQuery= "SELECT * FROM notice WHERE noticeID = $userID";
    $result = mysqli_query($connect, $userQuery);
    if (!$result) {
        die("Connection failed: " .mysqli_connect_error());
    }

    $myNotices = array();
    if(mysqli_num_rows($result) > 0){
        while($i = mysqli_fetch_assoc($result)) {
            array_push($myNotices, $i);
        }
    }
    mysqli_close($connect);
?>
```

Then display all the details of the notices using the foreach loop,

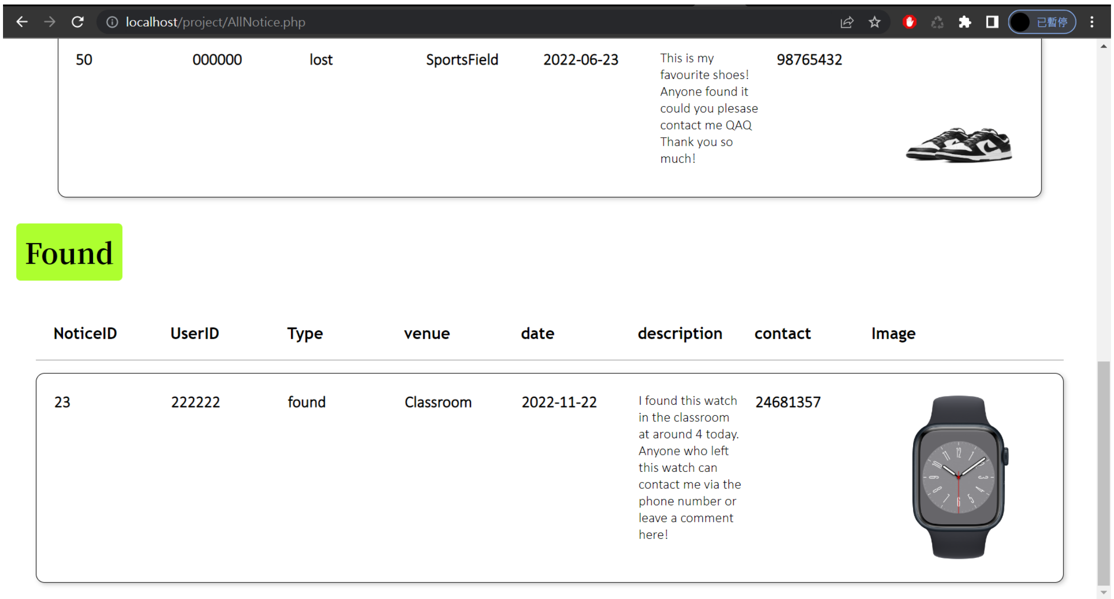


```
        </div>
    <?php
        foreach($myNotices as $info){
                $id = $info["noticeID"];
                $UserID = $info['userID'];
                $type = $info["type"];
                $date = $info["date"];
                $venue = $info["venue"];
                $contact = $info["contact"];
                $description = $info["description"];
                $image = $info["image"];


        echo"
        <div class='userGroup'>
                    <!-- <div class='noticeGroupLeft'> -->
                    <!-- </div> -->
                    <!-- <div class='noticeGroupRight'> -->
                    <div class='textContent'>
                        <h3>$id</h3>
                    </div>
                    <div class='textContent'>
                        <h3>$UserID</h3>
                    </div>
                    <div class='textContent'>
                        <h3>$type</h3>
                    </div>
                    <div class='textContent'>
                        <h3>$venue</h3>
                    </div>
                    <div class='textContent'>
                        <h3>$date</h3>
                    </div>
                    <div class='textContent'>
                        <p style='width: 120px;'>$description<p>
                    </div>
                    <div class='textContent'>
                        <h3>$contact<h3>
                    </div>
                    <div class='thumbnail'>
                        <h3><img height='200px' width='200px' src='$image' alt='' class='has-mask'/></h3>
                    </div>
        </div>";
        }
    ?>
    </div>
```

AllNotice.php



NoticeID	UserID	Type	venue	date	description	contact	Image
100	000000	lost	Basketball Court	2022-12-23	I lost my wallet QAQ anyone find please help qaq	12341234	
16	222222	lost	Canteen	2022-10-14	I took it off when I was having lunch in the afternoon and I forgot to take it back after my meal.	98989898	

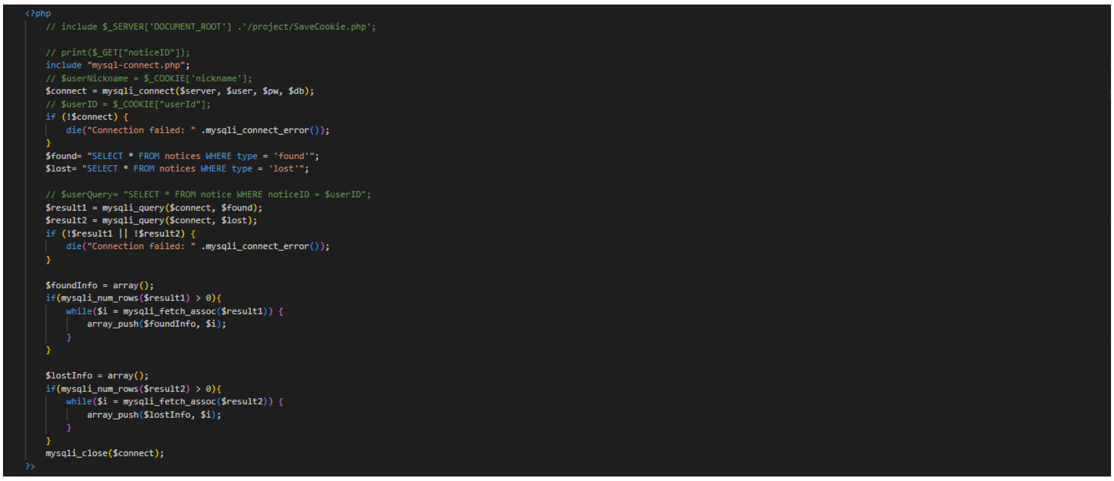


50	000000	lost	SportsField	2022-06-23	This is my favourite shoes! Anyone found it could you please contact me QAQ Thank you so much!	98765432	

Found

NoticeID	UserID	Type	venue	date	description	contact	Image
23	222222	found	Classroom	2022-11-22	I found this watch in the classroom at around 4 today. Anyone who left this watch can contact me via the phone number or leave a comment here!	24681357	

In this page All the notice that was stored in the system will be displayed. The notice are divided into 2 parts. The first part display the items that was recognized as Lost. The second part of the page displays the items that was recognized as Found.



```php
<?php
    // include $_SERVER['DOCUMENT_ROOT'] .'/project/SaveCookie.php';

    // print($_GET["noticeID"]);
    include "mysql-connect.php";
    // $userNickname = $_COOKIE['nickname'];
    $connect = mysqli_connect($server, $user, $pw, $db);
    // $userID = $_COOKIE["userId"];
    if (!$connect) {
        die("Connection failed: " .mysqli_connect_error());
    }
    $found= "SELECT * FROM notices WHERE type = 'found'";
    $lost= "SELECT * FROM notices WHERE type = 'lost'";

    // $userQuery= "SELECT * FROM notice WHERE noticeID = $userID";
    $result1 = mysqli_query($connect, $found);
    $result2 = mysqli_query($connect, $lost);
    if (!$result1 || !$result2) {
        die("Connection failed: " .mysqli_connect_error());
    }

    $foundInfo = array();
    if(mysqli_num_rows($result1) > 0){
        while($i = mysqli_fetch_assoc($result1)) {
            array_push($foundInfo, $i);
        }
    }

    $lostInfo = array();
    if(mysqli_num_rows($result2) > 0){
        while($i = mysqli_fetch_assoc($result2)) {
            array_push($lostInfo, $i);
        }
    }
    mysqli_close($connect);
?>
```

In the database, extraction of data are performed twice and store the result in 2 different variables. $result1 store the data of the Lost notices and $result2 store the data of the Found notices. Then the data is loaded and display respectively.

Conclusion

In this project I have a better understanding of creating a website using database system. I have practice more on the use of different CSS styles, for example justify-content or padding. Also I have made more practice on the layout of the whole interface, for example using several division to store the items that has to be displayed in the user interface UI. Moreover, I also enhanced my knowledge on using the PHP language. I have performed several practice on connection of the database and extracting the data from the database to the website UI. Last but not least, I have revised my knowledge about SQL execution as well. I have made practices on how to extract the data that I want using SQL statement.

By performing this project I have gained a lot of valuable experience. For example while doing this project, there are a lot of functions that has to be implemented for the user, in order to enhance their experience in using the system, I have to create different functions that can increase the convenience of the user in using the website. Moreover, I have also made practice on designing a tidy and clean interface for a website. In order to enhance the experience of users visiting the website, a clean and attractive interface is very important. I have made a lot of attempts on designing the interface and as a result found my own way of design.

To conclude, I am glad that I have a chance to carry out this project. Through out completing this project, I have gained a lot of valuable experience in web development and system. I believe that what I have learnt in this project will be useful for my future career.