



WDT ASSIGNMENT

(SMART TOUR)

AAPP009-4-2-WDT



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SMART TOUR AND TRAVEL AGENCY
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1. Introduction

In this Project, our objective is developing a solution that provide a systematic web application for our client. To accomplish this objective, web application that developed must equipped with server-side programming and client-side scripting. A complete developed system must process the input of user and process and store it with a proper manner and give user output.

2. Problem Analysis

Our client (Smart Travel and Tour Agency) is a company that record down all their transaction and all the material manually. They print out hard copy of Tour itinerary and Trip record for customer use and it is causing a major issue where they spend a lot of their fund in printing.

To be addon, their customer has to visit the agency that scatter everywhere to get the newest trip information and tour itinerary where their rival is having web application where the customer can view trip information and itinerary eve everywhere in any time.

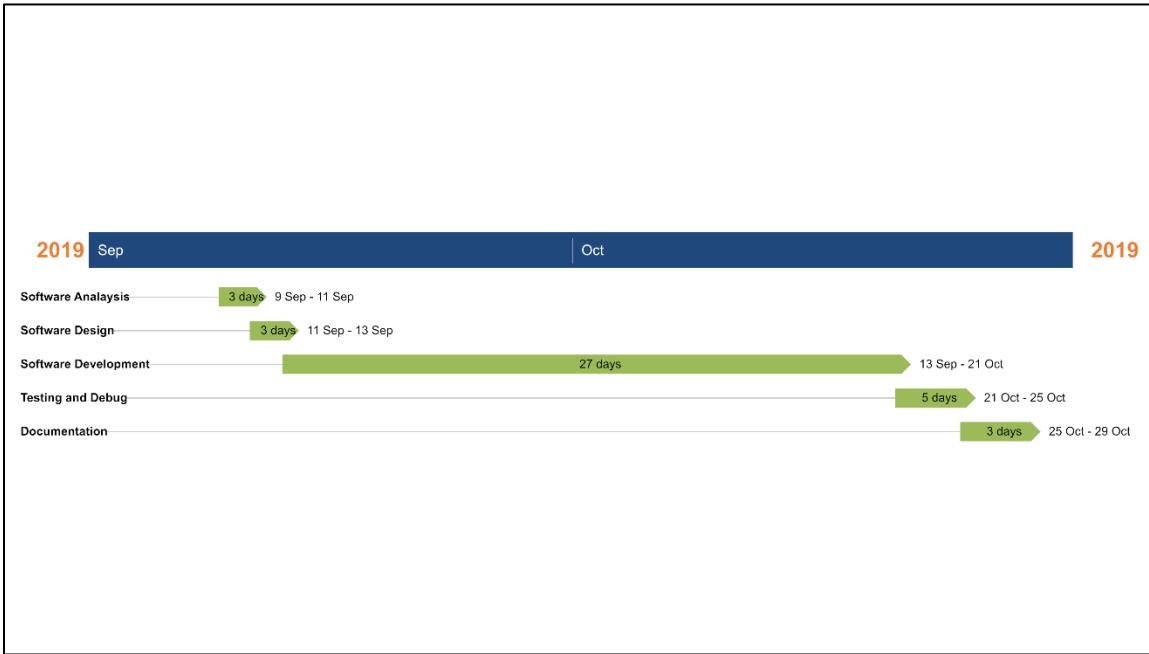
Aside from that, our client is still record down the booking by using simple spreadsheet where the employee must enter the required information into spreadsheet where data entry might go wrong.

Hence, a web application is very crucial for Smart Travel and Tour Agency. The requirement of their website for customer side is **view available trip and tour, view booked trip, edit customer profile, registration** as well as **login**. On the same time, the requirement for the employee is update profile, **create, view, update, delete Trip** and **create, view, update, delete Tour, registration** as well as **login**.

3. Software Development planning

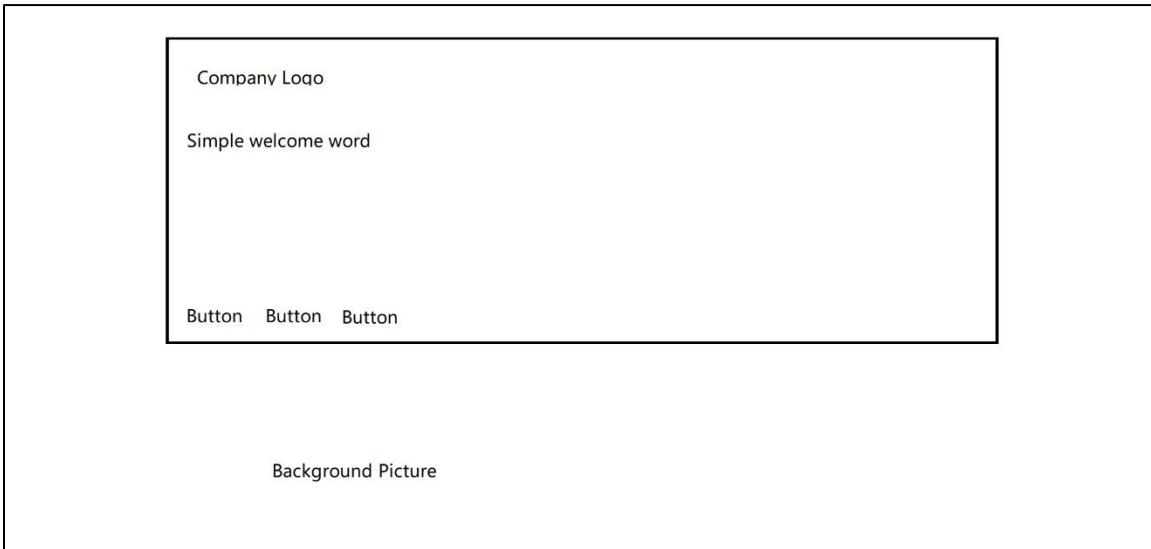
3.1. Gantt chart

Gantt chart is very important in the software development where it can separate multiple task and timeline in to a single chart. Programmer can develop the software according to the Gantt chart to improve the efficiency

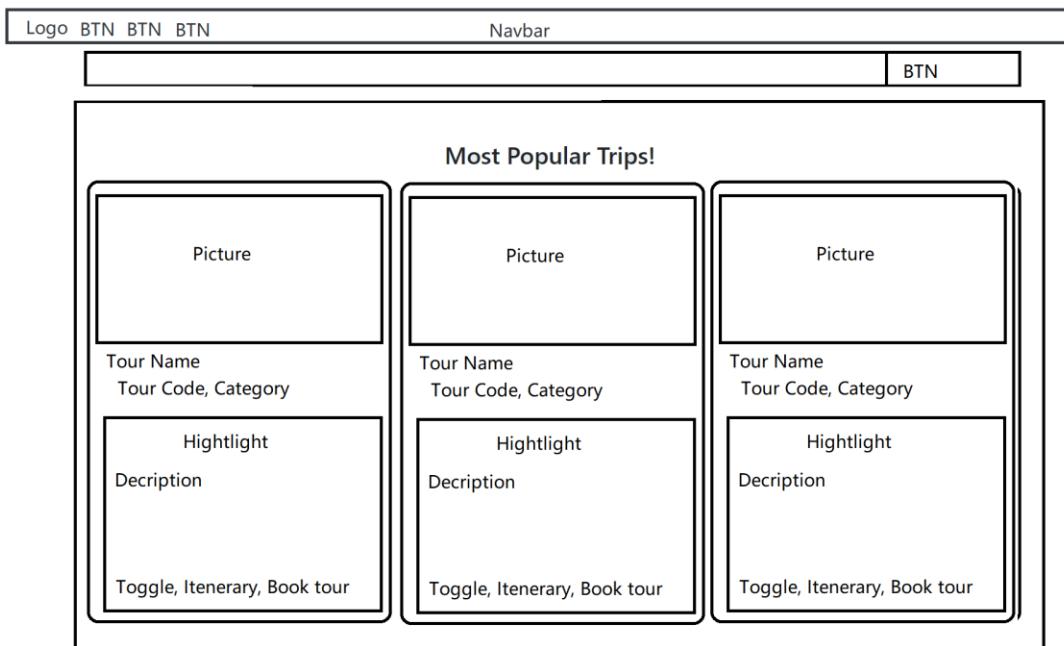


3.2.Wire Frame

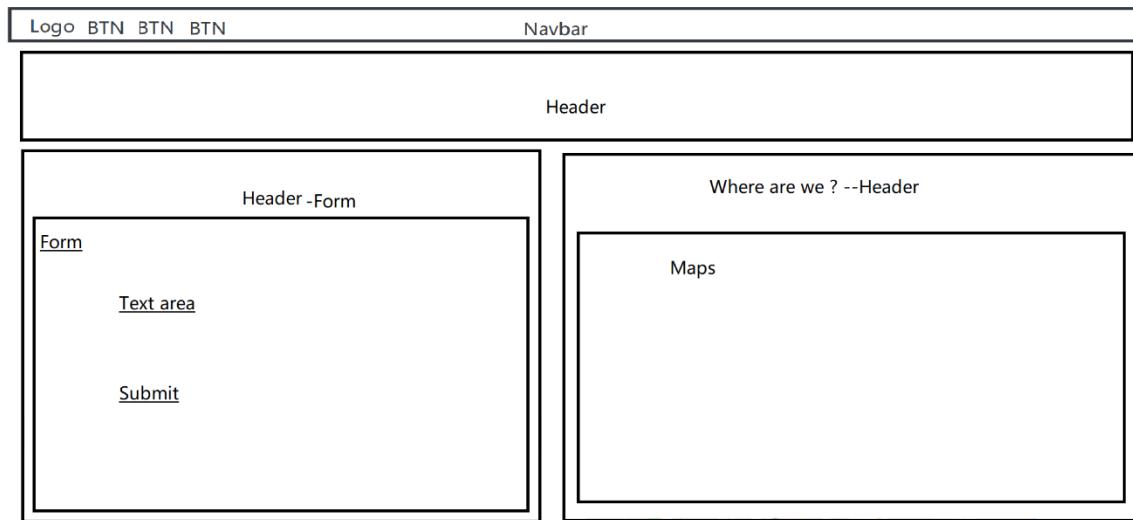
3.2.1.Index



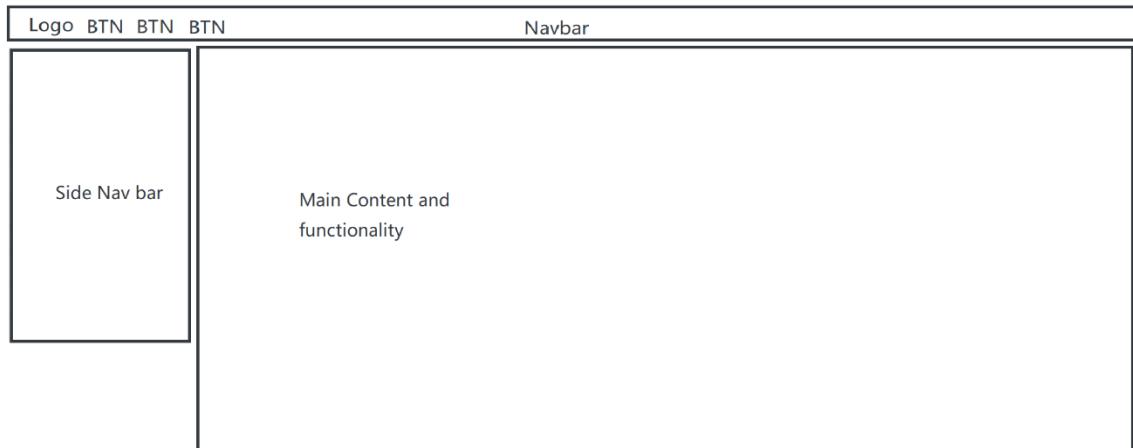
3.2.2.Trips



3.2.3. About us



3.2.4. Dashboard



3.2.5. Target audience

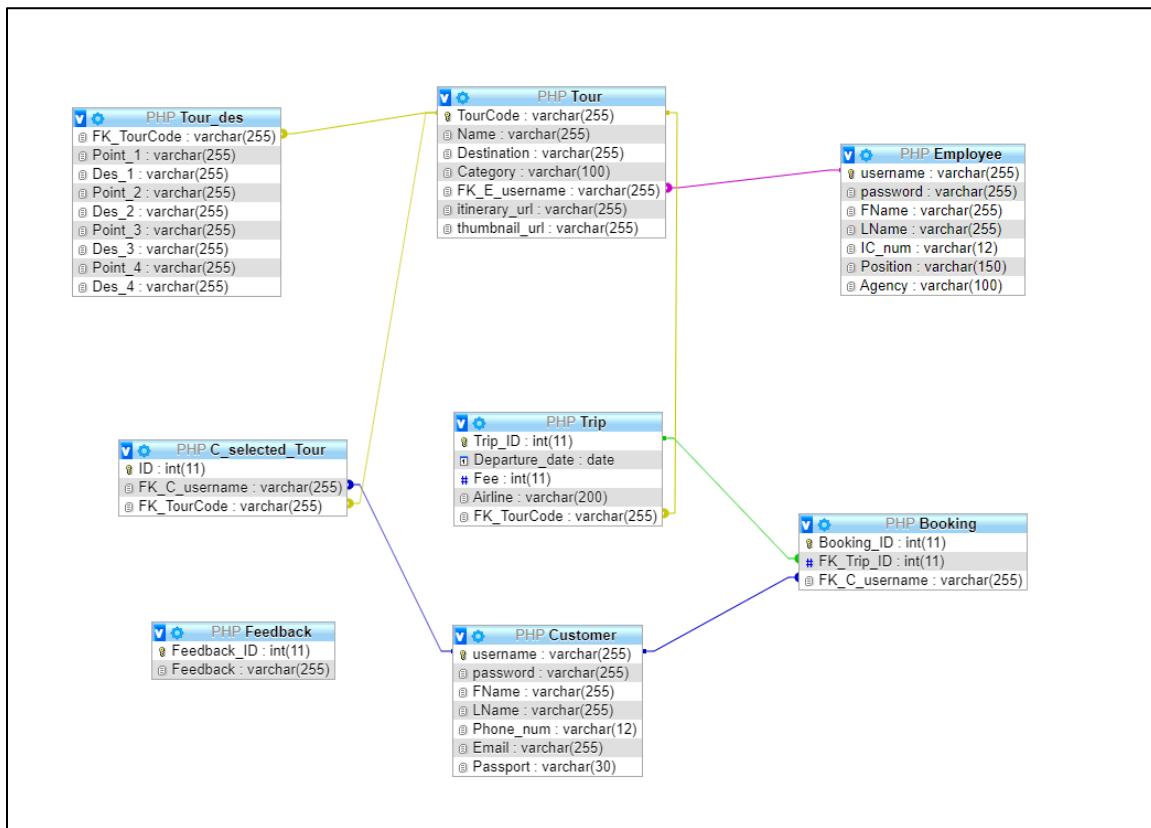
4. Database

Database is a very important and crucial part of the system since it is the key element to provide the information to user.

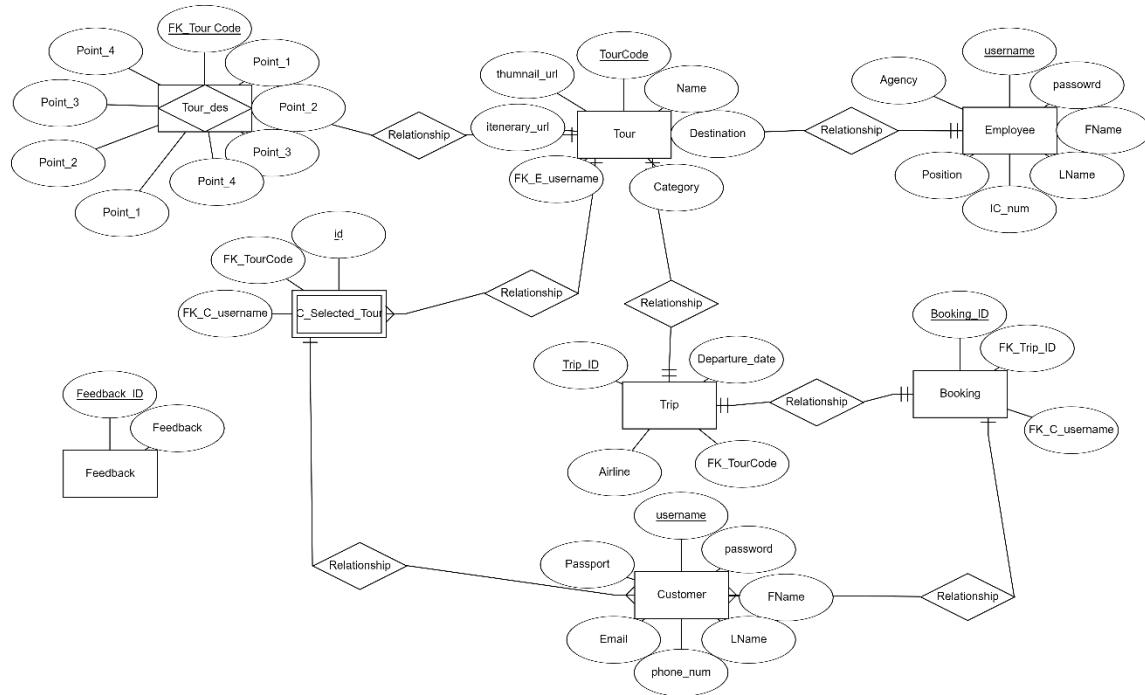
4.1.1. Database Diagram

Database diagram helps to illustrate the structure of the database as well as make sure the database design is created according to diagram.

4.1.2. PhpMyAdmin



4.1.3.ERD



5. Code Snippet

5.1. General

5.1.1. Config.php

```
<?php
define('DB_SERVER', 'localhost');
define('DB_USERNAME', 'root');
define('DB_PASSWORD', 'YES');
define('DB_DATABASE', 'PHP');
$db = mysqli_connect(DB_SERVER,DB_USERNAME,DB_PASSWORD,DB_DATABASE);
//Check Database connect or not
if (!$db) {
    echo "<script> alert('Database not connected ! check the configuration file
!'); </script>";
}
```

This purpose of this config file is to ease programmer to connect the database (Mysql) whenever they include the file.

The function define() is used to declare a constant variable to prevent programmer accidentally declare another value to the constant (w3schools, 2017) In another way of saying, define() create a variable that read-only where which it will reduce some security concern where the attacker might exploit it and used it as malicious code .

After that, a simple checking code is provide to double check whter the databse is connect or not, if it do not connect, it will pop up a message box and say it is not working .

5.1.2. Call CSS and

```
function main_CSSandIcon($dir_layer, $bootstrap)
{
    if ($dir_layer == "0") {
        echo ("<link rel='stylesheet' href='css/style.css'>
<link rel='icon' href='icon.gif' type='image/gif' sizes='16x16
'>");
    } elseif ($dir_layer == "1") {
        echo ("<link rel='stylesheet' href='../css/style.css'>
<link rel='icon' href='../icon.gif' type='image/gif' sizes='16
x16'>");
    }if ($bootstrap == "1") {
        echo ("<link rel='stylesheet' href='https://stackpath.
bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css' integr
ity='sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUhcWr7x9JvoRxT2MZw
1T' crossorigin='anonymous'>");}
}
```

Bootstrap

Under “php_common/nav.php”, the function call as “main_CSSandIcon” were create where required to pass down 2 parameter, **\$dir_layer** is to determine the directory folder where it will echo out the different file path for the web icon and its CSS. As **\$bootstrap** is used to determine the whether that specific web need to use bootstrap Content Deliver Network (CDN)to use bootstrap library.

Above is a sample used case where the document is place under the root directory and it required bootstrap CDN.

```
<?php
include_once("php_common/nav.php");
main_CSSandIcon("0", "1");
?>
```

5.1.3.Preloader

In order to improve user experience, preloader is implement in this web application.

Preloader will shows up when the web page first load up and notify user that the webpage are loading up.

```
function preloader(){
    //Function → Preloader path:nav.php
    echo "
<div id='overlay' style='z-index:999999>
    <div class='spinner'></div>
</div>
<script>
    var overlay = document.getElementById('overlay');
    window.addEventListener('load', function() {
        overlay.style.display = 'none';
    })
</script>";
}
```

```
<?php
    //Used case
include_once("php_common/nav.php");
preloader();
?>
```

When the function been call, the function will echo out a div section where it will having high z-index value to make sure it cover up the page Accordingly, the JavaScript also will be echo out along with the function. The JavaScript will change the display attribute of the tag when the page are loaded completely.



Figure 1 Preloader

5.1.4. Navigation bar

```
php_common/nav.php

session_start();
function navbar()
{
    include('host.php');

    if ($_SESSION['login_user'] !== NULL && $_SESSION['role'] == "Employee") {
        //User Logged in
        echo "
            <nav class='navbar navbar-expand-lg navbar-dark bg-dark'>
                <a class='navbar-brand' href='$host/index.php'>Smart Holidays</a>
                <button class='navbar-toggler' type='button' data-
                    toggle='collapse' data-target='#navbarNavDropdown' aria-
                    controls='navbarNavDropdown' aria-expanded='false' aria-label='Toggle navigation'>
                    <span class='navbar-toggler-icon'></span>
                </button>
                <div class='collapse navbar-collapse' id='navbarNavDropdown'>
                    <ul class='navbar-nav'>
                        <li class='nav-item'>
                            <a class='nav-
                                link' href='$host/index.php'>Home <span class='sr-only'>(current)</span></a>
                        </li>
                        <li class='nav-item'>
                            <a class='nav-
                                link' href='$host/trips/index.php'>Trips</a>
                        </li>
                        <li class='nav-item'>
                            <a class='nav-
                                link' href='$host/About_us.php'>About Us</a>
                        </li>
                        <li class='nav-item'>
                            <a class='nav-link' href='$host/welcome'>Dashboard</a>
                        </li>
                        <li class='nav-item'>
                            <a href='$host/logout.php' class='btn btn-outline-
                                primary nav-link text-right float-right' title='Log out'>Log out </a>
                        </li>
                    </ul>
                </div>
            </nav>";
    } elseif ($_SESSION['login_user'] !== NULL && $_SESSION['role'] == "Customer"){
        ----collapse----} else {----collapse----}
}
```

```
<?php
$host= $http.$_SERVER['SERVER_NAME'].$path;
$host= $http."https://";
$host= $host.$_SERVER['SERVER_NAME'].$path;
?>
```

Inside function “navbar”, it will echo out the nav bar according to the “\$Position” variable where it is a `$_SESSION['Position'] = "$Position"`.

The anchor tag of the Dashboard will change depending on the role of the user, if the role of the user is employee, it will redirect user to “welcome.php” and “C_welcome.php” for Customer.

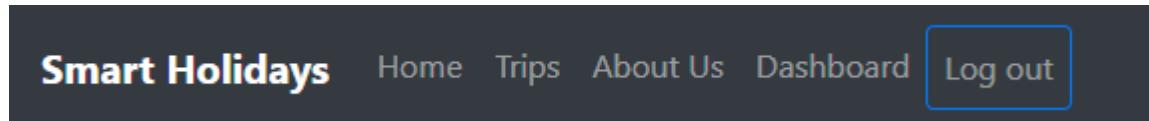


Figure 2 Navbar when user is logged in

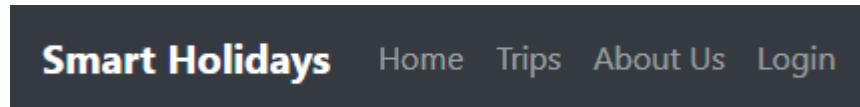


Figure 3 Navbar when user is not logged in

Bear in mind that the nav bar is also responsive when the user is using different size of device.

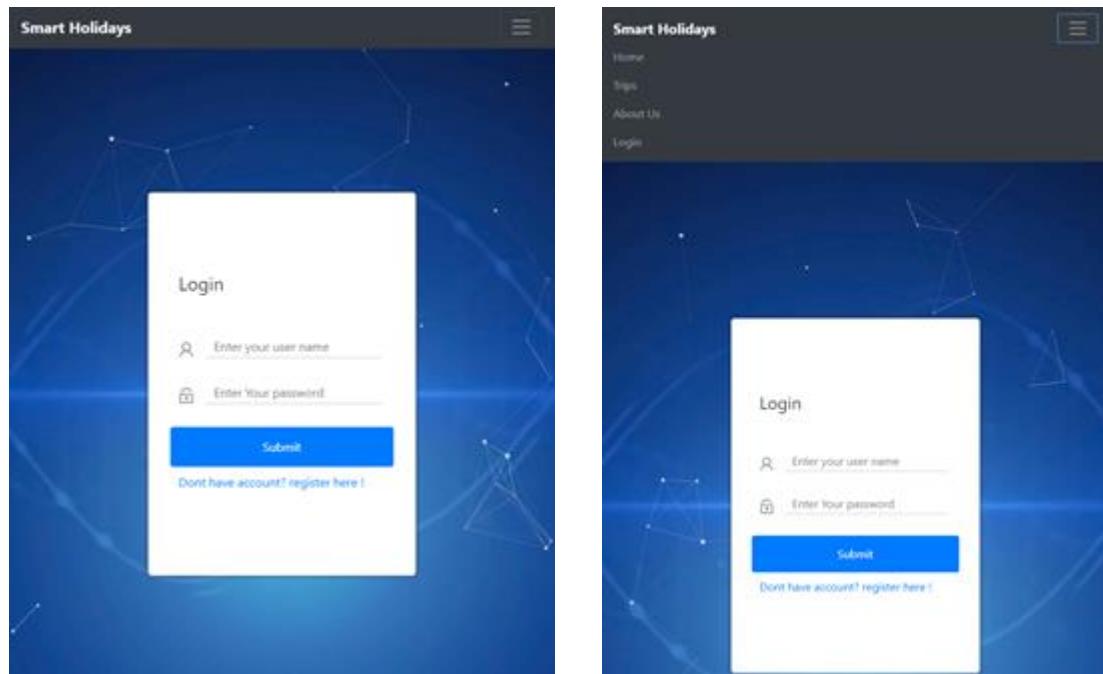


Figure 4: Phone view of navbar

In the navbar, to prevent the multi-layer file structure issue when echo out different relative file path, we use absolute file path where we store the file structure in “host.php”;

Where `$_SERVER['SERVER_NAME']` will represent the domain name of the php.

5.1.5. Call All Tour

```
function CallAllTour(){
    //Call All Tour Function path:php_common/nav.php

    include("../config.php");
    $sql="SELECT TourCode FROM Tour";
    $sql_query=mysqli_query($db,$sql);

    while ($row=mysqli_fetch_assoc($sql_query)) {
        $TourCode=$row['TourCode'];
        trip_info($TourCode);
    } mysqli_close($db);
}
```

```
function trip_info($tour_code){
    include('../config.php');
    $itinerary_sql = "SELECT T.TourCode,T.Name,T.Destination,T.itinerary_url,T.thumbnail_url,td.Point_1,td.Point_2,td.Point_3,td.Point_4,td.Des_1,td.Des_2,td.Des_3,td.Des_4
                      FROM Tour T INNER JOIN Tour_des td on td.FK_TourCode=T.TourCode
                      Where T.TourCode='$tour_code'";
    // Query it --> Its for all
    $itinerary_query = mysqli_query($db, $itinerary_sql);
    $itinerary_row = mysqli_fetch_array($itinerary_query, MYSQLI_ASSOC);
    $count = mysqli_num_rows($itinerary_query);

    if ($count == "1") {
        //Trip
        $itinerary = $itinerary_row['itinerary_url'];
        $Tour_name = $itinerary_row['Name'];
        $thumbnail = $itinerary_row['thumbnail_url'];
        $category = $itinerary_row['Destination'];
        //Highlight
        $P1 = $itinerary_row['Point_1'];
        $D1 = $itinerary_row['Des_1'];
        $P2 = $itinerary_row['Point_2'];
        $D2 = $itinerary_row['Des_2'];
        $P3 = $itinerary_row['Point_3'];
        $D3 = $itinerary_row['Des_3'];
        $P4 = $itinerary_row['Point_4'];
        $D4 = $itinerary_row['Des_4'];
        //Javascript Naming
        //Generate random number
        $ran1 = rand();
        $ran2 = rand();
        $ran3 = rand();
```

...continue...

```

...continue...
echo    "<div class='col-12 col-sm-12 col-md-12 col-lg-6 col-xl-4 border py-2 mx-
auto'>
        <div class='embed-responsive embed-responsive-16by9'>
            <img src= '$thumbnail' class='img-fluid embed-responsive-item' />
        </div>
        <h3 class='text-capitalize'>$Tour_name</h3>
        <div class='mx-auto text-center'>Tour Code: $tour_code</div>
        <div class='mx-auto text-center'>Category: $category</div>
        ";
echo    "        <ul id='$ran2' class='intro p-3 mx-auto'>
            <h2 class='text-primary text-center'>Hightlight</h2>";
echo    "<li>$P1$D1</li>
<li>$P2$D2</li>
<li>$P3$D3</li>
<li>$P4$D4</li>
        </ul>";
echo    "<div>
<a onclick='sss$ran1()' class='btn btn-dark mx-auto text-
light' id='$ran3'>Expand</a>
<script>
function sss$ran1() {
    var x = document.getElementById('$ran2');
    var y = document.getElementById('$ran3');
    if (x.style.display === 'block') {
        x.style.display = 'none';
        y.innerHTML = 'Expand';
    } else {
        x.style.display = 'block';
        y.innerHTML = 'Hide';
    }
}
</script>
<a href='$itenerary' class='btn btn-dark x-auto'>Itinerary </a>
<a href='..../booking.php?tcode=$tour_code' class='btn btn-danger x-
auto'>Book now ! </a></div></div>
";
}else {echo"<h3>No Tour Found <br> Please Type valid Tour Code</h3>"; }
mysqli_close($db);
}

```

```

<!-- Used Case path:trips/index.php-->

<div class="jumbotron col-lg-10 mx-auto">
    <h1 class="text-center mb-3">Most Popular Trips!</h1>
    <div class="row">
        <?php
        include_once("../php_common/nav.php");
        CallAllTour();
        ?>
    </div>
</div>

```

Flow

- i. In the actual used case, we will include the nav.php
- ii. Use the function “CallAllTour”
- iii. When function is triggered, the function will fetch all Tour Code and pass down to “Tripinfo”
- iv. Trip Info will process the data and echo out html and javascript code
- v. If no tour is found, it will echo out “No Tour Found Please Type valid Tour Code”

Function → CallAllTour

Query all available TourCode from the table “Tour” and pass it down to the function “Trip_info”

Function -- >Trip info

After the tourcode pass down and function been triggered, this function will query the data from database where it will query from the table “Tour” and “Tour_des”.

After query the data, we declare a specific variable from database to a variable where it will ease the code when we echo out html file.

Rand() function is used to generate random number for the naming the id in html tag and javascript.

After that we echo out the html tag that include and arrange the thumbnail picture, Tour Name, Tour Code, Tour Category, the itinerary, Highlight point and its description. In addition.

It also generate a series of javascript code that hide and expand the highlight of the trip where the ul(unordered list) is named by \$ran2, Expand button is named by \$ran3 and since JavaScript will not accept to name the function that started by number, simply add “sss” in front of the variable to make the javascript accept the naming.

In addition, we also implant the tourcode into the Book now url link where it will be used to search the Tour later.

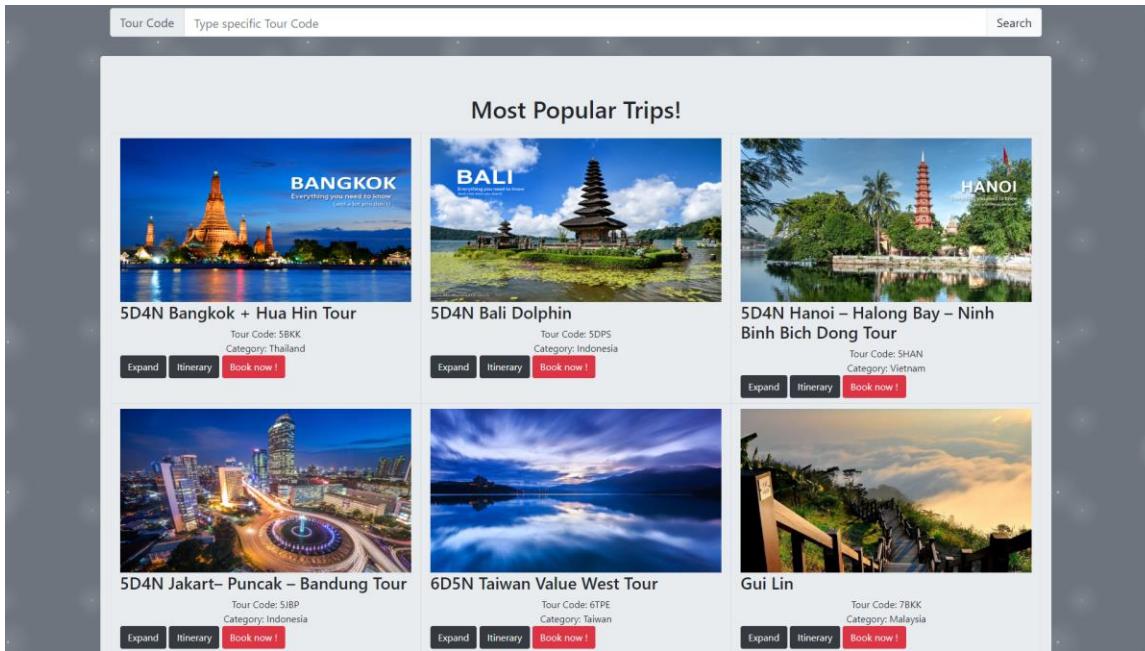


Figure 5 trips/index.php where all Tour info will be presented

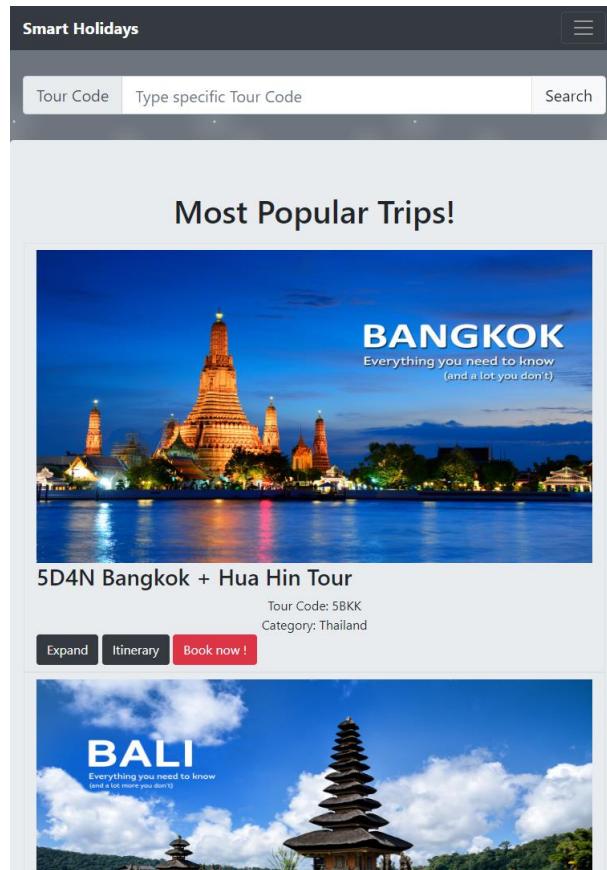


Figure 6 Tour info in Mobile View

5.1.6. Search

```
<!--trips/search.php-->
<div class="jumbotron col-lg-10 mx-auto">
    <div class="row">
        <?php
            if ($_SERVER['REQUEST_METHOD'] == "POST") {
                include_once("../php_common/nav.php");
                include_once("../config.php");
                $Tour_Code = mysqli_real_escape_string($db, $_POST['search_text']);
                if ($TourCode==NULL) {
                    CallAllTour();
                } else {
                    trip_info($Tour_Code);
                }
            }
        ?>
    </div>
</div>
```

```
<!--trips/index.php -->

<form class="input-group my-3 p-3 input-group-lg col-lg-10 mx-auto"
method="POST" action="search.php">
    <div class="input-group-prepend">
        <span class="input-group-text">Tour Code</span>
    </div>
    <input type="text" class="form-control" placeholder="Type specific Tour Code"
name="search_text" required>
    <div class="input-group-append">
        <input class="btn btn-light border" type="submit" value="Search">
    </div>
</form>
```

Flow

- i. When user submit the form with Tour Code , it will POST the data to “search.php”
- ii. In “search.php” it will process the data(TourCode),
 - a. If User send a empty string, it will use CallAllTrip function to echo out all tour information
 - b. Else it will pass down the tour code to trip_info() to echo out the trip info
 - i. If there is no Tour info found, it will echo out “No Tour Found Please Type valid Tour Code”

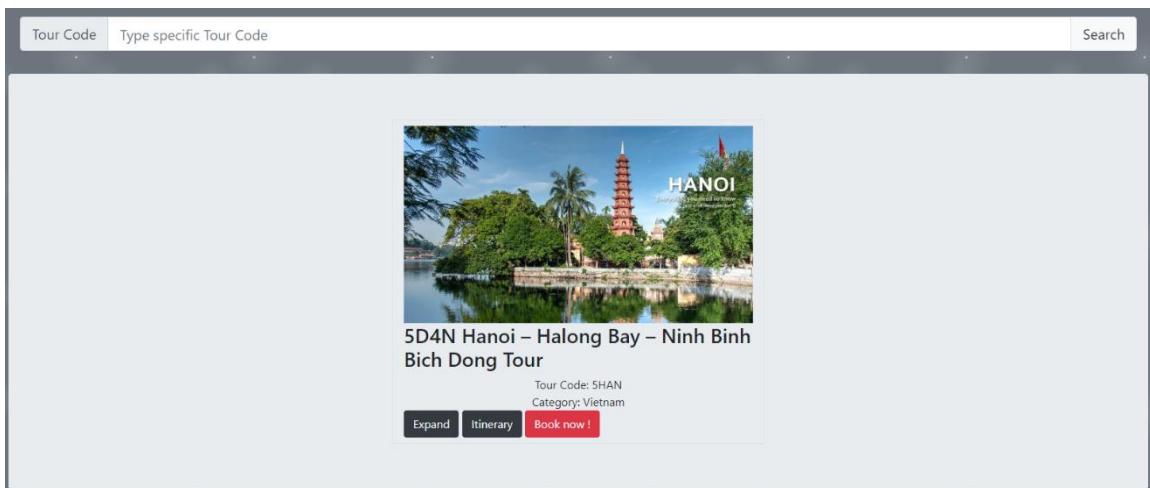


Figure 7 Result of "5HAN"

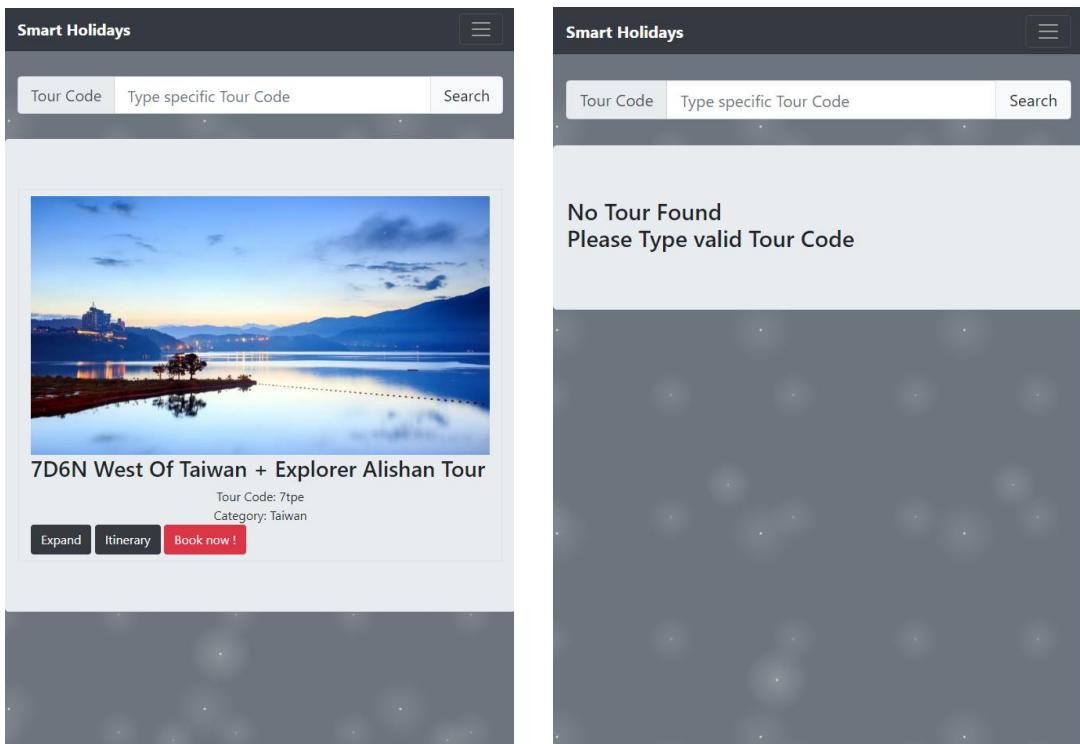


Figure 8 Mobile View and the Error

5.1.7. Notpremit()

```
function notpremit(){
    //function - notpremit path:php_common/nav.php
    $user = $_SESSION['login_user'];
    echo ("
        <h1 class='text-center text-
white'> Hi! $user, This functionality is not yet premit to used for you. </h1>
        <h3 class='text-center text-
white'> Contact your domain adminstrator to evaluate your premission. </h3>
        <img src='https://carrierubin.files.wordpress.com/2015/10/sad-cartoon-
boy.png' class='text-center'>
    ");
}

if ($position == "Manager" || $position == "Assistant Manager") {
    //welcome1.php - Used Case
    #code...
} else {
    include_once("php_common/nav.php");
    notpremit();
}
```

This function will echo out 2 sentence and a picture to inform user they do not have permission to enter certain area, page as well as functionality.

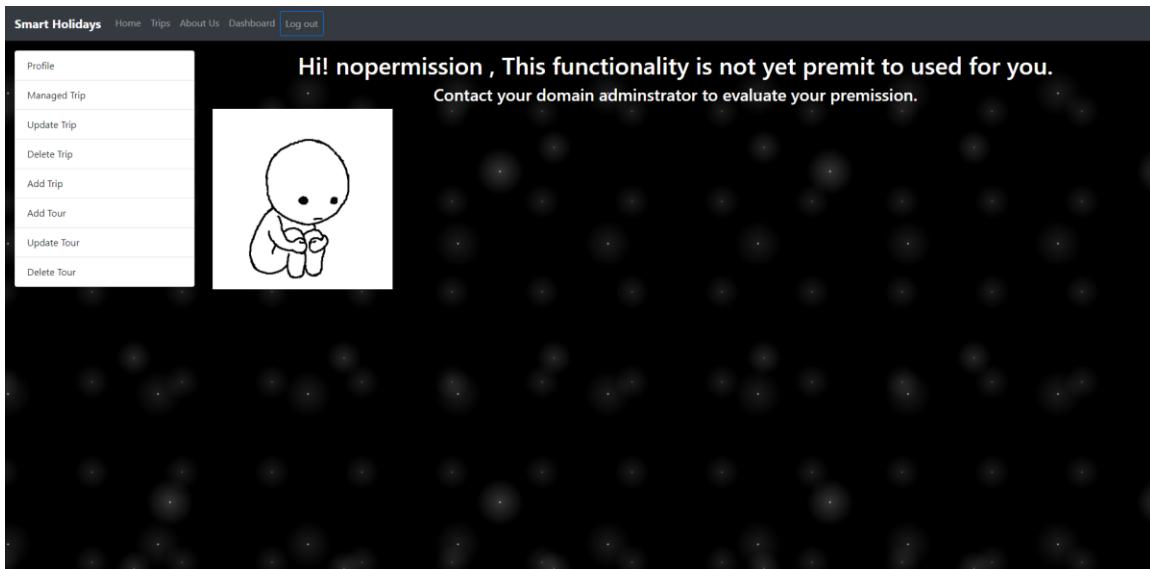


Figure 9 Notpremit in Desktop View

5.2. Registration and Login

5.2.1. Register

Employee

```
<!--Used case form to login path:register.php * Simplified * -->
<form method="post" class="form-signin p-2">
    <div class="my-3">
        <input type="text" name="username" class="form-control" placeholder="Username" autofocus>
        <span class="text-danger"> <?php echo $usernameErr,$c_usernameErr;?></span>
    </div>
    <div class="my-3">
        <input type="password" name="password" class="form-control" placeholder="Password">
        <span class="text-danger"> <?php echo $PassErr;?></span>
    </div>
    <div class="my-3">
        <input type="password" name="cpassword" class="form-control" placeholder="Confirm Your Password">
        <span class="text-danger"> <?php echo $CPassErr;?></span>
    </div>
    <div class="my-3">
        <input type="text" name="FName" class="form-control" placeholder="First Name">
        <span class="text-danger"> <?php echo $FnameErr;?></span>
    </div>
    <div class="my-3">
        <input type="text" name="LName" class="form-control" placeholder="Last Name">
        <span class="text-danger"> <?php echo $LnameErr;?></span>
    </div>
    <div class="my-3">
        <input type="text" name="IC" class="form-control" placeholder="IC Number">
        <span class="text-danger"> <?php echo $ICErr;?></span>
    </div>
    <div class="my-3">
        <select name="Position" class="form-control" required>
            <option value="" disabled selected hidden> Position</option>
            <option value="Manager">Manager</option>
            <option value="Tour Manager of Asia">Tour Manager of Asia</option>
            <option value="Tour Manager of Exotic">Tour Manager of Exotic</option>
            <option value="Tour Manager of Europe">Tour Manager of Europe</option>
            <option value="Senior Sales">Senior Sales </option>
            <option value="Junior Sales">Junior Sales</option>
            <option value="Account Executive">Account Executive</option>
        </select>
        <span class="text-danger"> <?php echo $PositionErr; ?> </span>
    </div>
    ...continue...

```

```

...continue...
<div class="my-3">
    <select name="Agency" class="form-control" required>
        <option value="" disabled selected hidden> Your Company</option>
        <option value="RT">Roystar Travel and Tours Sdn Bhd</option>
        <option value="HT">Hong Thai Travel and Tours Sdn Bhd </option>
        <option value="MWH">Pelancongan Mewah Sdn Bhd</option>
        <option value="BTT">BTT Travel Services Sdn Bhd</option>
    </select>
    <span class="text-danger"> <?php echo $AgencyErr ;?></span>
</div>
<input type="submit" name="submit" value="Submit" class="btn btn-lg btn-primary">
</form>

```

```

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    //register.php

if ($position == "Manager" || $position == "Assistant Manager") {
    $username = mysqli_real_escape_string($db, $_POST['username']);
    $password = mysqli_real_escape_string($db, $_POST['password']);
    $cpassword = mysqli_real_escape_string($db, $_POST['cpassword']);
    $safeppass = sha1($password);
    $FName = mysqli_real_escape_string($db, $_POST['FName']);
    $LName = mysqli_real_escape_string($db, $_POST['LName']);
    $IC_num = mysqli_real_escape_string($db, $_POST['IC']);
    $Position = mysqli_real_escape_string($db, $_POST['Position']);
    $Agency = mysqli_real_escape_string($db, $_POST['Agency']);

    if (empty($username)) {$usernameErr = "Name is required";}
    else {
        if (!preg_match("/^[a-zA-Z ]*$/",$username)) {
            $usernameErr = "Only letters and white space allowed";
        }else {$userchk="1";}
    }
    if (empty($LName)) {$LnameErr = "Last Name is required";}
    else {
        if (!preg_match("/^[a-zA-Z ]*$/",$LName)) {
            $LnameErr = "Only letters and white space allowed";
        }else {$LNamechk="1";}
    }

    if (empty($FName)) {$FnameErr = "First Name is required";} else {
        if (!preg_match("/^[a-zA-Z ]*$/,$FName)) {
            $FnameErr = "Only letters and white space allowed";
        }else {$FNamechk="1";}
    }
}

```

```

...continue...

//https://www.regextester.com/109947
if (empty($IC_num)) {$ICErr = "IC shall not be empty";}
else {
    if (!preg_match("/(([0-9]{2})(0[1-9]|1[0-2])(0[1-9]|12)[0-9]|3[01]))-([0-
9]{2})-([0-9]{4})/",$IC_num)) {
        $ICErr = "Please Enter proper Malaysian IC with dash(-) Exp:700529-01-
3007";}else {$IC_numchk="1";}
}

...continue...

if ($password !== $cpassword) {$CPassErr="Password not match!";}
else {$CPasschk="1";}

//http://regexlib.com/Search.aspx?k=password&AspxAutoDetectCookieSupport=1
if (empty($password)) {$PassErr = "Password shall not be Empty";}
else {
    if (!preg_match("/^(?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{4,16}$/i",$password)) {
        $PassErr = "Password must be at least 4 characters, no more than 16 charact-
ers, and must include at least one upper case letter, one lower case letter, and on-
e numeric digit. Exp:ASDasd123";
    }else {$passwordchk="1";}
}
if (empty($Position)) {$PositionErr ="Please choose a position";}
else {$Positionchk="1";}
if (empty($Agency)) {$AgencyErr ="Please choose a Agency";}
else {$Agencychk="1";}

$c_Sql="Select username FROM Customer WHERE username='$username'";
$c_query=mysqli_query($db,$c_Sql);
$c_row=mysqli_num_rows($c_query);
if ($c_row=="1") {$c_usernameErr="Duplicate Username, please choose another use-
rname";}else {$c_userchk="1";}
if ($Agencychk==1 and $FNamechk==1 and $LNamechk==1 and $passwordchk==1 and $Po-
sitionchk==1 and $IC_numchk==1 andthat $userchk==1 and $c_userchk==1 and $CPasschk
==1) {

    $sql = "INSERT INTO Employee (username,password,FName,LName,IC_num,Position,Age-
ncy) VALUES ('$username','$safepass','$FName','$LName','$IC_num','$Position','$Agen-
cy')";

    if (mysqli_query($db, $sql)) {
        echo ("<script> alert('Add Success!'); </script>");
        echo ("<script> window.history.go(-1);</script>");
    } elseif(mysqli_error($db)) {echo "<script> alert('Please choose another Us-
ername'); </script> ";}} }
else {include("php_common/nav.php");}

notpremit();
}
?>

```

Above php code will perform data validation upon the form is submitted if the position is Manager or Assistant Manager.

In above matter, we are using Regular Expression to validate user input whether it match the format of certain input. In order to use regular expression in php, we will be using preg_match() function where required to variable to be pass down.

The first paramater is the regular expression itself and the second paramater is the value that we need to check. preg_match will return a value to determine whether the input is match or not.

If the input does not match the regular expression, a variable will be declare to notify user which input is not match with the format.

If the input is match with the format, a chk variable will be declare to “1”. If all the chk variable is equal to one, then only the SQL command will be executing.

If the user’s position is not Manager or Assistant Manager, the php code will include navbar.php to use the [not permit function](#) that we discuss earlier

Flow

- i. When user submit the form with required information, it will POST the data in very same page to process.
 - a. If the the user position is not Manager nor Assistant Manager, function “not permit” will be execute
 - b. If the username is duplicate in Customer Table, user will be ask to change ther username
- ii. Before execute SQL command, all data validation variable(\$...chk) must be “1” by using preg_match function and combination with regular expression
 - a. If one of the input does not match the regular expression, it will return the error to the user
 - b. If all input is matching the format, user will be redirect to the dashboard(C_welcome.php) and prompt “Add Success”.

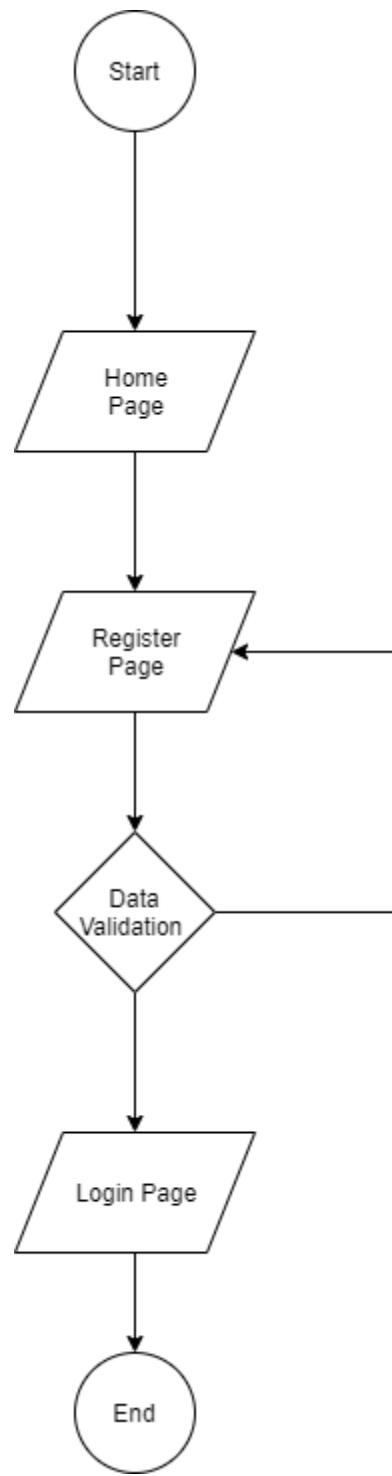


Figure 10 Data flow diagram of Register

The screenshot shows the 'Staff register Page' of the Smart Travel application. At the top, there is a navigation bar with links: 'Smart Holidays', 'Home', 'Trips', 'About Us', 'Dashboard', and 'Log out'. Below the navigation bar is the main title 'Smart Travel' in a large, bold, black font. Underneath the title is the page header 'Staff register Page'. The form itself contains the following fields: 'Username', 'Password', 'Confirm Your Password', 'First Name', 'Last Name', 'IC Number', 'Position' (a dropdown menu), and 'Your Company' (a dropdown menu). A blue 'Submit' button is located at the bottom right of the form area.

Figure 11 Staff register page in PC view

This figure displays two versions of the 'Staff register Page' side-by-side. The left version is the standard registration form, while the right version shows validation errors. Both forms include the same fields: Username, Password, Confirm Your Password, First Name, Last Name, IC Number, Position, and Your Company. The right-hand form has several validation messages: 'Only letters and white space allowed' for the Username field; 'Password must be at least 4 characters, no more than 16 characters, and must include at least one upper case letter, one lower case letter, and one numeric digit. Exp:ASDasd123' for the Password field; 'Password not match!' for the Confirm Your Password field; and 'Please Enter proper Malaysian IC with dash(-) Exp:700529-01-3007' for the IC Number field. Both forms have a blue 'Submit' button at the bottom.

Figure 12 Staff registration Page and its error

5.2.2. Customer

```
<!--C_Register.php Form to log in * Simplified *-->
<form method="post" action="" class="form-signin p-2">
    <div class="my-3">
        <input type="text" name="username" placeholder="Desired username" class="form-control" autofocus required>
        <span class="text-danger"> <?php echo $usernameErr,$c_usernameErr;?></span>
    </div>
    <div class="my-3">
        <input type="password" name="password" class="form-control" placeholder="Password" required>
        <span class="text-danger"> <?php echo $PassErr;?></span>
    </div>
    <div class="my-3">
        <input type="password" name="cpassword" class="form-control" placeholder="Confirm Your Password" required>
        <span class="text-danger"> <?php echo $CPassErr;?></span>
    </div>
    <div class="my-3">
        <input type="text" name="FName" class="form-control" placeholder="First Name" required>
        <span class="text-danger"> <?php echo $FnameErr;?></span>
    </div>
    <div class="my-3">
        <input type="text" name="LName" class="form-control" placeholder="Last Name" required>
        <span class="text-danger"> <?php echo $LnameErr;?></span>
    </div>
    <div class="my-3">
        <input type="text" name="Phone_num" placeholder="Your Active Handphone number" class="form-control" required>
        <span class="text-danger"> <?php echo $PhoneErr;?></span>
    </div>
    <div class="my-3">
        <input type="email" name="Email" placeholder="Your email" class="form-control" required>
        <span class="text-danger"> <?php echo $EmailErr;?></span>
    </div>
    <div class="my-3">
        <input type="text" name="Passport" placeholder="Your Passport number" class="form-control" required>
        <span class="text-danger"> <?php echo $PassportErr;?></span>
    </div>
    <input type="submit" value="Submit !" class="btn btn-lg btn-primary btn-block">
</form>
```

```

if ($_SERVER["REQUEST_METHOD"] == "POST") {

    $username = mysqli_real_escape_string($db, $_POST['username']);
    $password = mysqli_real_escape_string($db, $_POST['password']);
    $cpassword = mysqli_real_escape_string($db, $_POST['cpassword']);
    $safepass=sha1($password);
    $FName = mysqli_real_escape_string($db, $_POST['FName']);
    $LName = mysqli_real_escape_string($db, $_POST['LName']);
    $Phone_num = mysqli_real_escape_string($db, $_POST['Phone_num']);
    $Email = mysqli_real_escape_string($db, $_POST['Email']);
    $Passport = mysqli_real_escape_string($db, $_POST['Passport']);

    if (empty($username)) {$usernameErr = "Name is required";}
    else {
        if (!preg_match("/^[a-zA-Z ]*$/",$username)) {
            $usernameErr = "Only letters and white space allowed";
        }else {$userchk="1";}
    }
    if (empty($LName)) {$LnameErr = "Last Name is required";}
    else {
        if (!preg_match("/^[a-zA-Z ]*$/",$LName)) {
            $LnameErr = "Only letters and white space allowed";
        }else {$LNamechk="1";}
    }
    if (empty($FName)) {$FnameErr = "First Name is required";}
    else {
        if (!preg_match("/^[a-zA-Z ]*$/,$FName)) {
            $FnameErr = "Only letters and white space allowed";
        }else {$FNamechk="1";}
    }
    if ($password !== $cpassword) {$CPassErr="Password not match!";}
    else {$CPasschk="1";}

    if (empty($password)) {$PassErr = "Password shall not be Empty";}
    else {
        if (!preg_match("/^(?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{4,16}$/i",$password)) {
            $PassErr = "Password must be at least 4 characters, no more than 16 characters, and must include at least one upper case letter, one lower case letter, and one numeric digit. Exp:asdASD123 ";
        }else {$passwordchk="1";}
    }

    if (empty($Phone_num)) {$PhoneErr="Phone Number shall not be empty";}
    else {
        if (!preg_match("/^(\+60|01)[0-9]{10}([0-9]{3})$/",$Phone_num)) {
            $PhoneErr="Please enter phone number with 60(Exp:60121234567)";
        }else {$Phonechk="1";}
    }
    ...
}

```

```

...continue...

if (empty($Passport)) {$Passpoer Number shall not be empty";}
else {
    if (!preg_match("/^A-Z0-9<){9}[0-9}{1}[A-Z]{3}[0-9}{7}[A-Z]{1}[0-9]{7}[A-
Z0-9<]{14}[0-9]{2}$/, $Passport)) {
        $PassportErr="who can remember their passport number? use this example i
nstead '1234567890ABC1234567A1234567<<<<<<<<12' :P";
    }else {$Passportchk="1";}
}

$c_Sql="Select username FROM Employee WHERE username='$username'";
$c_query=mysqli_query($db,$c_Sql);
$c_row=mysqli_num_rows($c_query);
if ($c_row=="1") {
    $c_usernameErr="Duplicate Username, please choose another username";
}else {$c_userchk="1";}

if ($userchk==1 && $LNamechk==1 && $FNamechk==1 && $CPasschk==1 && $Phonechk==1
&& $Passportchk==1 && $passwordchk==1 && $c_userchk==1) {
    $sql = "INSERT INTO Customer (username,password,FName,LName,Phone_num,Email,
Passport) VALUES ('$username','$safeppass','$FName','$LName','$Phone_num','$Email','$
Passport')";
    if (mysqli_query($db, $sql)) {
        echo "Successfully Register!";
        header("Location:jump/Login.html");
    } else {echo "Not really functioning well \nBelow are the error code\n" . my
sql_error($db);}
}
mysqli_close($db);

```

With combination of the html form and php code, we can validate users input and insert it into database just like staff registration page.

The different between staff registration page and customer login page, instead of asking IC number from customer, we will ask customer to enter their passport number to ensure the customer having a valid passport to travel oversea.

Flow

--- same with employee registration--

Smart Holidays Home Trips About Us Login

Smart Travel

Customer register Page

Desired username
 Password
 Confirm Your Password
 First Name
 Last Name
 Your Active Handphone number
 Your email
 Your Passport number
Submit !
[Have an Account?](#)

Figure 13 Customer Registration

Smart Holidays

Smart Travel

Customer register Page

Desired username
 Password
 Confirm Your Password
 First Name
 Last Name
 Your Active Handphone number
 Your email
 Your Passport number
Submit !
[Have an Account?](#)

Smart Holidays

Smart Travel

Customer register Page

Desired username
Only letters and white space allowed
Duplicate Username, please choose another username
 Password
Password must be at least 4 characters, no more than 16 characters, and must include at least one upper case letter, one lower case letter, and one numeric digit. Exp:asdASD123
 Confirm Your Password
Password not match!
 First Name
Only letters and white space allowed
 Last Name
Only letters and white space allowed
 Your Active Handphone number
Please enter phone number with 60(Exp:60121234567)
 Your email
 Your Passport number
who can remember their passport number? use this example instead
'1234567890ABC1234567A1234567<<<<<<<<<<<<12':P
Submit !
[Have an Account?](#)

Figure 14 Mobile View and its Data Validation

5.2.3.Login

```
<!--Used Case path:Login/index.php *Simplified*-->
<form action="" method="post">
    <div class="login-top">
        Login
    </div>
    <input type="text" name="username" value="" placeholder="Enter Your User Name"
onfocus="this.placeholder=''" onblur="this.placeholder='Enter your user name '" autofocus required />
    <input type="password" name="password" value="" placeholder="Enter Your password" onfocus="this.placeholder=''" onblur="this.placeholder='Enter Your Password'" required />
    <div class="login-center-input-text">Password</div>
    <input type="submit" value="Submit" class="btn btn-primary col-md-12">
    <div class="login-center clearfix mt-2">
        <a href="../C_Register.php"> Dont have account? register here !</a>
    </div>
</form>
```

```
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    //path:Login/index.php
    // username and password sent from POST form
    $username = mysqli_real_escape_string($db, $_POST['username']);
    $password = mysqli_real_escape_string($db, $_POST['password']);
    $safePass=sha1($password);
    // Customer
    $sql = "SELECT username FROM Customer WHERE username = '$username' and password = '$safePass'";
    $result = mysqli_query($db, $sql);
    $row = mysqli_fetch_array($result, MYSQLI_ASSOC);
    $count = mysqli_num_rows($result);
    //Employee
    $sql1 = "SELECT username FROM Employee WHERE username = '$username' and password = '$safePass'";
    $result1 = mysqli_query($db, $sql1);
    $row1 = mysqli_fetch_array($result1, MYSQLI_ASSOC);
    $count1 = mysqli_num_rows($result1);
    if ($count == 1) {
        $_SESSION['login_user'] = $username ;
        $_SESSION['role'] = "Customer";
        header("Location:../C_welcome.php");
    } elseif ($count1 == 1 ) {
        $_SESSION['login_user']= $username;
        $_SESSION['role'] = "Employee";
        header("Location:../welcome.php");
    }else {
        $LoginErr="Your Credential is invalid!";
        header("Location:index.php");
    }
}
```

Because of we store different information between employee and customer, we decide to separate our employee and customer into different table. This matter brings up issue where we need to execute 2 sql command.

When user type in their username and password, the form will be submitted. Then php will query in 2 table to where it matches. If it matches in customer account, then \$count will return to “1”, like customer if it matches in employee account, then “\$count1” will return “1”. From these 2 variables, we will be able to determine the user is belong to Employee or Customer account.

If the account is belong to customer, global variable \$_SESSION[‘role’] will be given a value “Customer” and \$_SESSION[‘login_user’] will be declare as their username. After that, the user will redirect to “C_welcome.php” page. Same goes to employee account but \$_SESSION[‘role’] will be given value “Employee” and will be redirect to “welcome.php”. In addition, particle js is implement in this page (VincentGarreau, 2017)

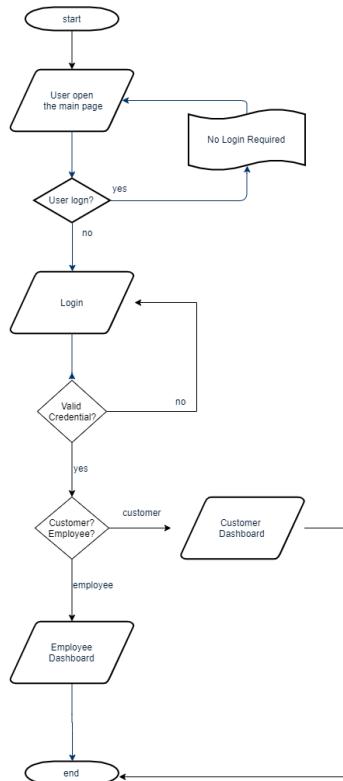


Figure 15 Data flow diagram

5.2.4. Logout

Log out function is very crucial when switching between from an account to another account. Therefore, the [navigation bar](#) can detect the user is logged in or not by `$_SESSION` super global variable.

```
<?php  
                                //Logout.php  
  
    session_start();  
  
    $_SESSION[ 'role' ]="";  
    if(session_destroy()) {  
        header("Location: Login/index.php");  
    }  
?>
```

In order to access `$_SESSION` variable, we must initiative `session_start()` function to stat the session. In this logout file, we will empty the `$_SESSION['role']` variable and destroy all the session variable behind the scene. (Andrea, 2011)

5.2.5. Password Protection

Password is a very important information for user, since 55% of internet user use the same password for most even all website they visit. Therefore, password protection is extremely important in web development. (Cluley, 2013)

In this project, we choose SHA1 cryptography as our main method to encrypt out users's password. SHA(Secure Hash Algorithm) is a family of cryptographic hash function that developed by NIST(National Institute of Standards and Technology). The main reason that we choose SHA as our method to encrypt user's password is because there is no serious attack on SHA-1. (Khillar, 2019)

Besides that , SHA1 generate a hash of 160bit of hash where it will took 9 quintillion (9,223,372,036,854,775,808) SHA1 computations in total to comprise SHA1 hash algorithm. (Stevens, 2017) Around 6500 years of CPU computation to complete the first attach phase.

```
if ($_SERVER["REQUEST_METHOD"] == "POST") {  
    //path:trips/index.php *Simplified*  
    // username and password sent from POST form  
    $username = mysqli_real_escape_string($db, $_POST['username']);  
    $password = mysqli_real_escape_string($db, $_POST['password']);  
    $safeppass=sha1($password);  
    // Customer  
    $sql = "SELECT username FROM Customer WHERE username = '$username' and password = '$safeppass'";  
    $result = mysqli_query($db, $sql);  
    $row = mysqli_fetch_array($result, MYSQLI_ASSOC);  
    $count = mysqli_num_rows($result);  
    if ($count == 1) {  
        $_SESSION['login_user'] = $username ;  
        $_SESSION['role'] = "Customer";  
        header("Location:../C_welcome.php");  
    }  
}
```

Above is the example where we are using sha1() function to generate the SHA1 of the password.

5.3. Booking

Booking function is created to customer to book the trip by our system with their own. In this procedure, we have 2 booking page for customer to book the trip.

The reason behind we need record down the tour code first is because available trip is depending on different tour. For example, different price might apply to the specific tour due to the increase price of the airline ticket. Hence, the second booking page information is rely on first booking page.

5.3.1. First Booking page

```
<?php
    //booking.php
    if ($_SESSION['role'] == "Employee") {
        echo (" Employee account detected! Bear in mind this is Booking Page
        for Customer used only !");
    }
    else {echo $_SESSION['login_user']; }
?>
```

In this snippet of code, it will determine the user role is user or employee. If the user is employee, then it will echo out “Employee account detected! Bear in mind this is Booking Page for Customer used only!” Method that use to determine the user role is the super global variable “\$_SESSION” that we declare earlier when user logged in.

```

        <!--booking.php -Echo selection for Tour -->
<select class="custom-select" name="TourCode" required>
    <option selected hidden>Choose your Trips</option>
    <?php
        $tcode = $_GET['tcode'];
        include_once('itenerary.php');
        if ($tcode == NULL) {
            CallTour();
        } else {
            selecttour($tcode);
            CallTour();
        }
    ?>
</select>

```

```

function CallTour(){
    //Function - Call Tour path:booking.php
    include('config.php');
    $sql="SELECT * FROM Tour";
    $query_sql= mysqli_query($db,$sql);
    while ($row=mysqli_fetch_assoc($query_sql)){
        $TourCode=$row['TourCode'];
        $TourName=$row['Name'];
        echo "<option value='".$TourCode."'>$TourName</option>";
    }
}

```

```

function selecttour($TourCode){
    //Function - selecttour path:booking.php
    include('config.php');
    $sql="SELECT * FROM Tour where TourCode='".$TourCode."'";
    $query_sql= mysqli_query($db,$sql);
    while ($row=mysqli_fetch_assoc($query_sql)){
        $TourCode=$row['TourCode'];
        $TourName=$row['Name'];
        echo "<option value='".$TourCode."' selected >$TourName</option>";
        echo "<option value=' ' disabled>----- </option>";
    }
}

```

If the customer is redirect from “trips/index.php” the URL will bring along with the ‘`tcode`’ where it stands for TourCode. In this scenario, ‘`tcode`’ will be passed down to the Function “`selecttour`” will be triggered, it allows us to fetch the data from the database and select the tour automatically when user click it. Beside that, user also can choose other trips if they wanted because the Function “`CallTour`” will list down all of the available tour in database. If the user is not redirect from “trips/index.php”, it will only execute function “`CallTour`”.

```

<!--Booking.php -->
<form method="POST" class="form-signin p-2">
    <input type="text" readonly class="form-control-plaintext" value=""
        <?php
        if ($_SESSION['role'] == "Employee") {
            echo (" Employee account detected! Bear in mind this is Booking Page for
Customer used only !");}?>
    ">
    <select class="custom-select" name="TourCode" required>
        <option selected hidden>Choose your Trips</option>
        <?php
            $tcode = $_GET['tcode'];
            include_once('itenerary.php');
            if ($tcode == NULL) {
                CallTour();
            }else {
                selecttour($tcode);
                CallTour();
            }?>
    </select>
    <input type="submit" value="Select Tour" class="btn btn-lg btn-primary btn-
block">
</form>

```

```

if ($_SERVER['REQUEST_METHOD'] == "POST") {
    //Insert Into DB path:booking.php
    include_once('config.php');
    include_once('C_session.php');
    $Tour_Code = mysqli_real_escape_string($db, $_POST['TourCode']);
    $sql = "INSERT INTO C_selected_Tour(FK_C_username,FK_TourCode) VALUE('$login_se
sion', '$Tour_Code')";
    if (mysqli_query($db, $sql)) {
        header("Location:booking1.php");
    }
}

```

With combine all the function and code snippet above, we can create a form that contain Customer username, and selected tour and insert into table. After selected tour is insert into the database, user will be redirect to booking1.php.

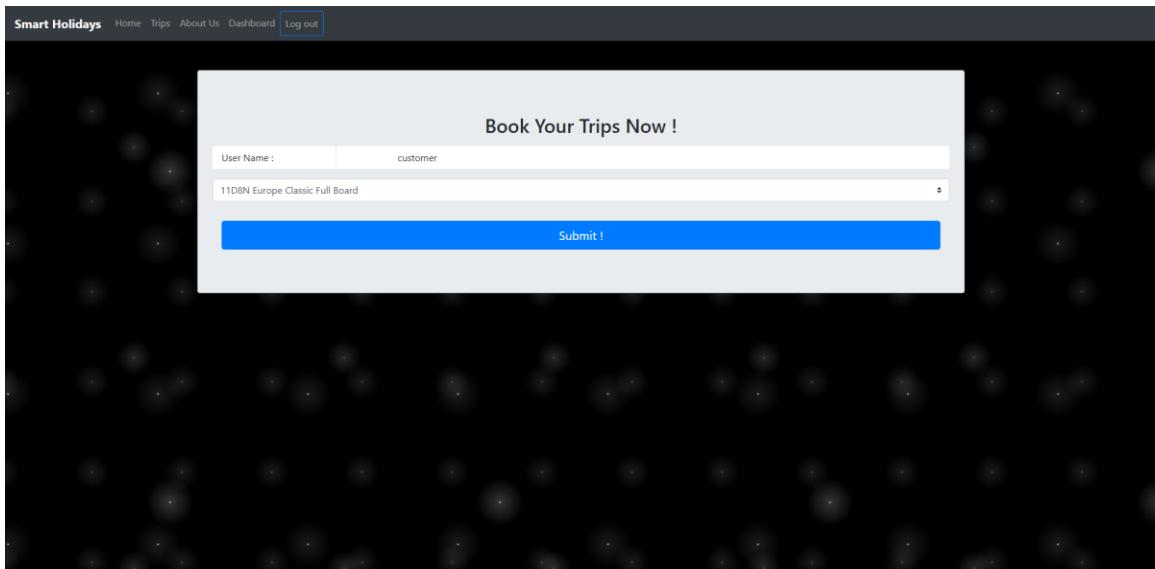


Figure 16 Booking1.php in Desktop

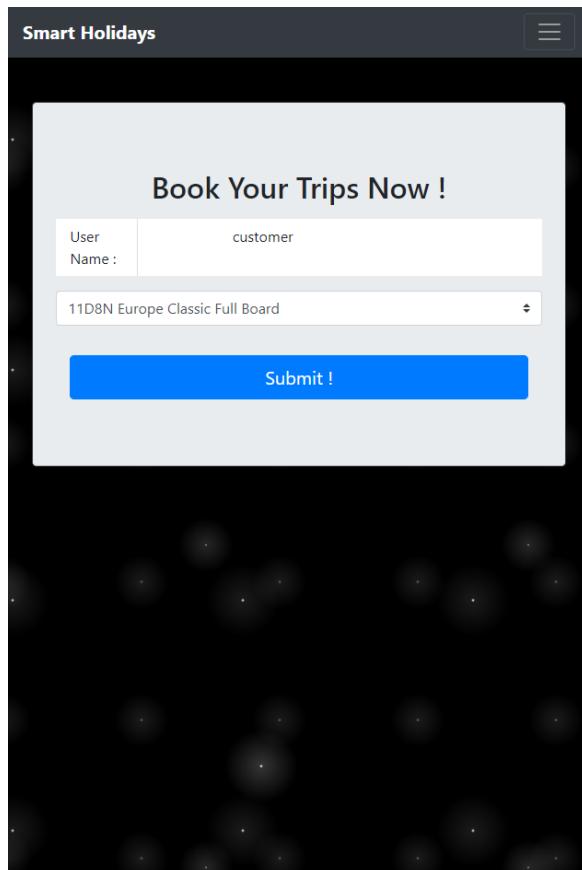


Figure 17 Booking1.php in Mobile

5.3.2. Second Booking Page

```
<input type="text" readonly class="form-control-plaintext" name="Tour Code" value="
    <?php
        //booking1.php -used case
        include_once('itenerary.php');
        CallSelectedTrip($login_session);
    ?>
">

function CallSelectedTrip($login_session) {
    //itinerary.php-Function "CallSelectedTrip"
    include('config.php');
    //Get the Tour that selected by customer
    $Tour_sql="SELECT * FROM C_selected_Tour where FK_C_username='$login_session'
    order by id desc limit 1";
    $Tour_query_sql=mysqli_query($db,$Tour_sql);
    $Tour_row=mysqli_fetch_assoc($Tour_query_sql);
    //Customer's selected Tour
    $TourCode=$Tour_row['FK_TourCode'];
    echo $TourCode ;
}
```

The function required to pass down one variable which is the Customer username.

This function will echo our newest record in the table where it is **sort by id, descending, limit 1** and same **login_user with customer username**.

This is because the id in the table is setup as “auto_increment” so that biggest id will be represented and that is the last chosen tour by that customer username.

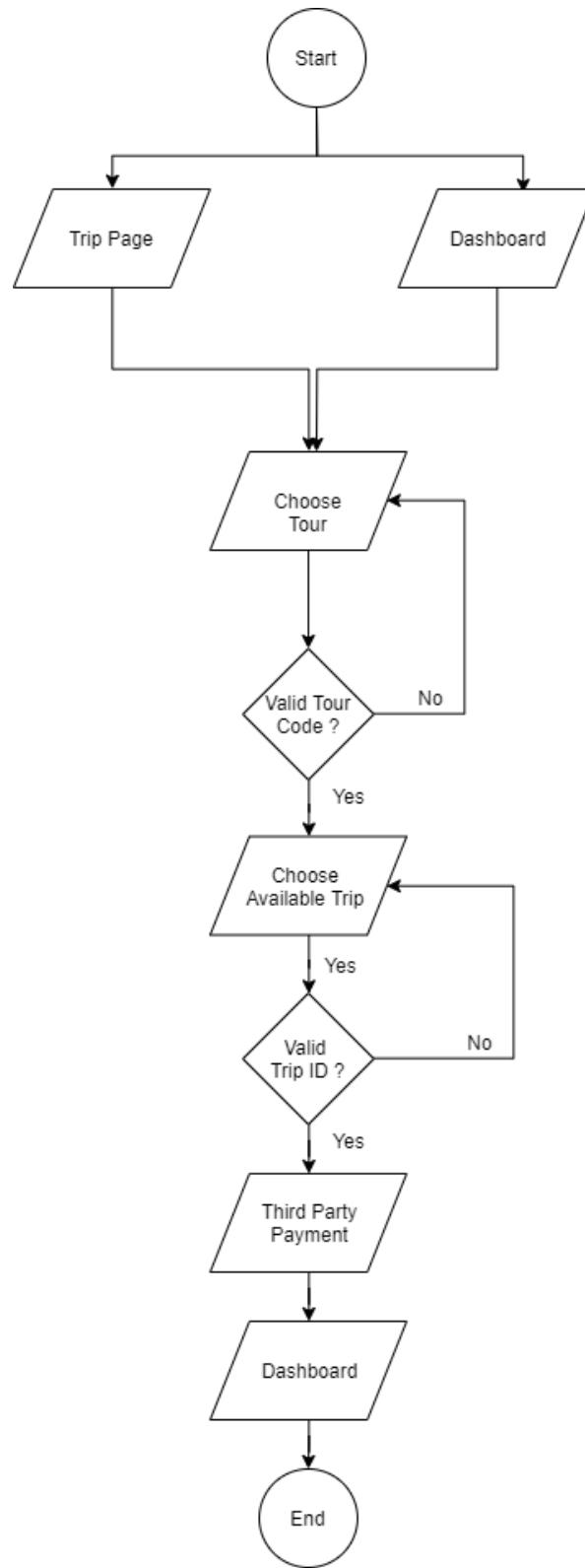


Figure 18 Data Flow diagram of Booking

```

<select class="custom-select" id="Trip" name="Trip_id" required>
    <option selected hidden>Choose your Trips</option>
    <?php
        //booking1.php - used case
        include_once('itenerary.php');
        CallTrip($login_session);
    ?>
</select>

```

```

function CallTrip($login_session) {
    //booking.1php - Function "CallTrip"
    include('config.php');
    $Tour_sql="SELECT * FROM C_selected_Tour where FK_C_username='$login_session' or
der by id desc limit 1";
    $Tour_query_sql=mysqli_query($db,$Tour_sql);
    $Tour_row=mysqli_fetch_assoc($Tour_query_sql);
    $TourCode=$Tour_row['FK_TourCode'];

    $Trip_sql="SELECT * FROM Trip where FK_TourCode=' $TourCode' ";
    $Trip_query_sql= mysqli_query($db,$Trip_sql);
    while ($row=mysqli_fetch_assoc($Trip_query_sql)) {
        $Trip_id=$row['Trip_ID'];
        $Depart_date=$row['Departure_date'];
        $Fee=$row['Fee'];
        $Airline=$row['Airline'];
        echo "<option value='$Trip_id'> $Depart_date, RM$Fee/pax, $Airline</option>";
    }
    mysqli_close($db);
}

```

This also function requires to pass down a variable which is the customer username.

This function will echo out available trip for that specific Trip as well as that username to get the TourCode. Thus, by using the tourcode, we can fetch the data from trip data where have the same TourCode. After that, it will echo out the option of available trip for that tour.

```

<!--booking.1php used case-->
<form method="post" action="" class="form-signin p-2">
    <input type="text" readonly class="form-control-plaintext" name="username"
    value=<?php
        echo $login_session;
    ?>">
    <input type="text" readonly class="form-control-
    plaintext" name="TourCode" value="<?php
        include_once('itenerary.php');
        CallSelectedTrip($login_session);
    ?>
    ">
    <select class="custom-select" id="Trip" name="Trip_id" required>
        <option selected hidden>Choose your Trips</option>
        <?php
            include_once('itenerary.php');
            CallTrip($login_session);
        ?>
    </select>
    <input type="submit" value="Submit !" class="btn btn-lg btn-primary btn-block">
</form>

```

```

if ($_SERVER['REQUEST_METHOD'] == "POST") {
    //Insert into Database path:booking1.php
    $username = mysqli_real_escape_string($db, $_POST['username']);
    $username1 = str_replace(' ', '', $username);
    $Trip_id = mysqli_real_escape_string($db, $_POST['Trip_id']);
    $sql = "INSERT INTO Booking(FK_Trip_ID,FK_C_username) VALUES ('$Trip_id','$user
name1')";
    if (mysqli_query($db, $sql)) {header("Location:jump/fake_payment.html");
    }else {echo "Not really functioning well \nBelow are the error code\n" . mysqli
_error($db);}
    mysqli_close($db);
}

```

By combining above 2 function, we can create another form where the booking information will be inserted to the table. After the information is inserted, user will be redirect to “jump/fake_payment.html”.

Due to time and fund constraint, real payment merchant cannot be implement in this individual assignment. Therefore, fake_payment.html is used to simulate third party paying merchant such ask PayPal or FPX.

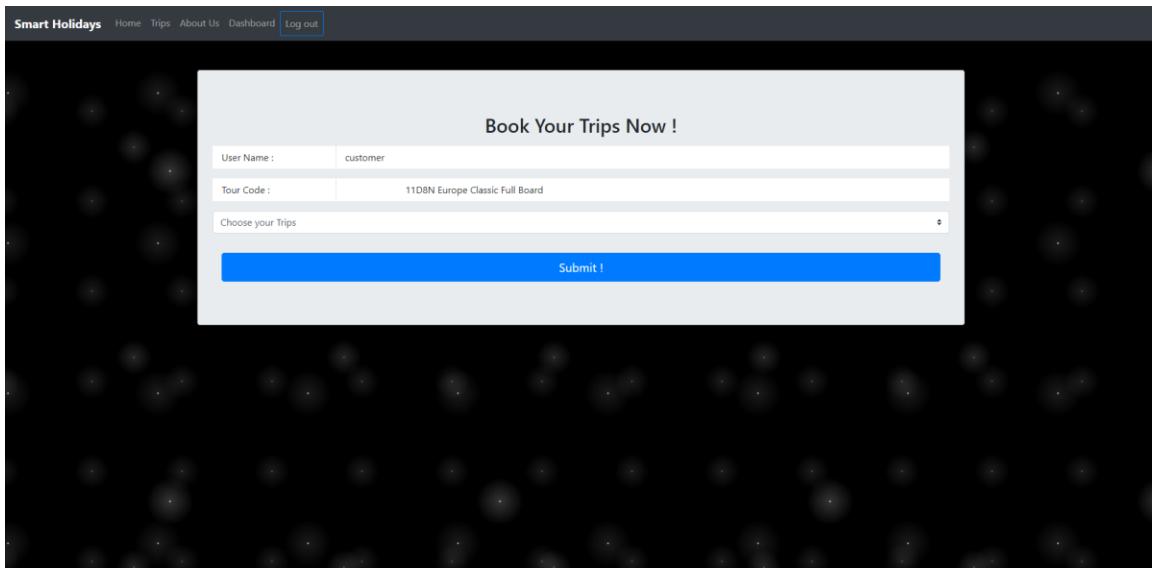


Figure 19: bookingI in Desktop View

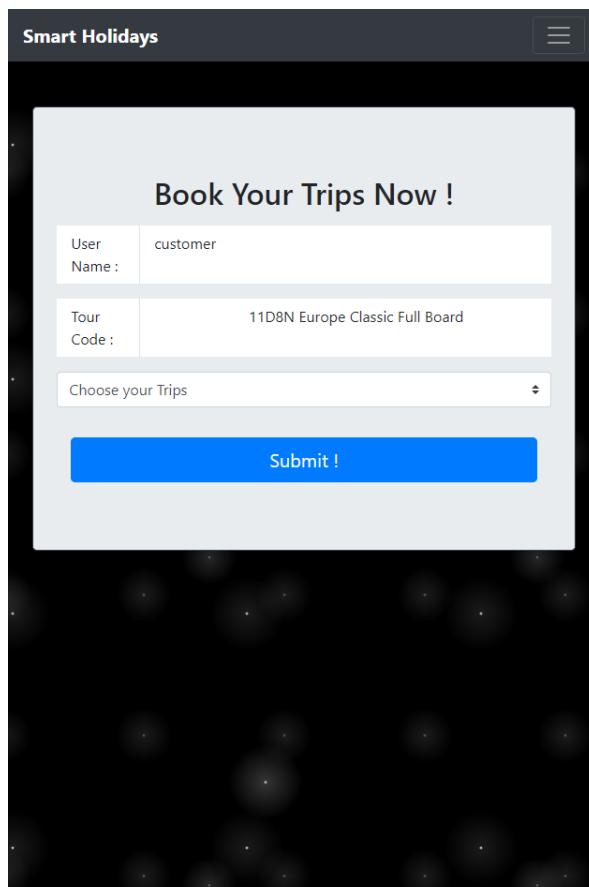


Figure 20 bookingI in Mobile View

5.4. Tour and Trip Management

5.4.1. JavaScript → Display one div and hide another div

```
<!--Used Case path:welcome.php-->
<div class="list-group col-lg-2">
    <a class="list-group-item list-group-item-action"
        onclick="showprofile()" id="profile-btn"> Profile </a>
    <a class="list-group-item list-group-item-action"
        onclick="showManageTrip()" id="manage-trip-btn"> Managed Trip</a>
    <a class="list-group-item list-group-item-action"
        onclick="showUpdateTrip()" id="update-trip-btn"> Update Trip</a>
    <a class="list-group-item list-group-item-action"
        onclick="showdeletetrip()" id="delete-trip-btn"> Delete Trip</a>
    <a class="list-group-item list-group-item-action"
        onclick="showaddtrip()" id="add-trip-btn"> Add Trip</a>
    <a class="list-group-item list-group-item-action"
        onclick="showAddTour()" id="add-tour-btn"> Add Tour</a>
    <a class="list-group-item list-group-item-action"
        onclick="showUpdateTour()" id="update-tour-btn"> Update Tour</a>
    <a class="list-group-item list-group-item-action"
        onclick="showDeleteTour()" id="delete-tour-btn"> Delete Tour</a>
    <?php
    if($position == "Manager" || $position == "Assistant Manager"){
        echo "<a class='list-group-item list-group-item-
action' onclick='showFeedback()' id='feedback-btn'> Feedback</a>";
        echo "<a class='list-group-item list-group-item-
action' href='register.php'>Register Employee </a>";
    }
    ?>
</div>
<div class="col-lg-10 d-none" id="Profile">...collapse...</div>
<div class="col-lg-10 d-none" id="managed-trip">...collapse...</div>
<div class="col-lg-10 d-none" id="Update-Trip">...collapse...</div>
<div class="col-lg-10 d-none" id="Delete-Trip">...collapse...</div>
<div class="col-lg-10 d-none" id="Add-Trip">...collapse...</div>
<div class="col-lg-10 d-none" id="Add-Tour">...collapse...</div>
<div class="col-lg-10 d-none" id="Update-Tour">...collapse...</div>
<div class="col-lg-10 d-none" id="Delete-Tour">...collapse...</div>
<div class="col-lg-10 d-none" id="Feedback">...collapse...</div>
<div class="col-lg-10 d-block" id="welcome">...collapse...</div>
</div>
```

```

<script>
    var y = document.getElementById('profile-btn');
    var y1 = document.getElementById('manage-trip-btn');
    var y2 = document.getElementById('update-trip-btn');
    var y3 = document.getElementById('delete-trip-btn');
    var y4 = document.getElementById('add-trip-btn');
    var y5 = document.getElementById('add-tour-btn');
    var y6 = document.getElementById('update-tour-btn');
    var y7 = document.getElementById('delete-tour-btn');
    var y8 = document.getElementById('feedback-btn');

    var Z = document.getElementById('Profile');
    var Z1 = document.getElementById('managed-trip');
    var Z2 = document.getElementById('Update-Trip');
    var Z3 = document.getElementById('Delete-Trip');
    var Z4 = document.getElementById('Add-Trip');
    var Z5 = document.getElementById('Add-Tour');
    var Z6 = document.getElementById('Update-Tour');
    var Z7 = document.getElementById('Delete-Tour');
    var Z8 = document.getElementById('Feedback');

    var a = document.getElementById('welcome');
    function showprofile() {
        if (Z.style.display === 'block') {
            Z.classList.add("d-none");
            a.classList.add("d-block");
        } else {
            Z.classList.add("d-block");
            a.classList.remove("d-block");
            a.classList.add("d-none");
            //Others
            Z1.classList.remove("d-block");
            Z2.classList.remove("d-block");
            Z3.classList.remove("d-block");
            Z4.classList.remove("d-block");
            Z5.classList.remove("d-block");
            Z6.classList.remove("d-block");
            Z7.classList.remove("d-block");
            Z8.classList.remove("d-block");

            Z1.classList.add("d-none");
            Z2.classList.add("d-none");
            Z3.classList.add("d-none");
            Z4.classList.add("d-none");
            Z5.classList.add("d-none");
            Z6.classList.add("d-none");
            Z7.classList.add("d-none");
            Z8.classList.add("d-none");
        }
    }
    ...
    ...collapse...
</script>

```

By default, the webpage will only show the selection section and welcome section. Once user clicks on the btn, it will trigger a javascript function according to the name given.

Once the function get triggered. It will then check if certain section is shown or hidden, if that section is hidden, it will add a class “d-block” into the section class where it is the class in bootstrap meaning that “display:block” and remove all other division class “d-block” and add “d-none” to avoid confusion.

5.4.2. Display info by different role and employee

Division of power and permission is very important in any organisation or company. For example, Normal employee cannot delete nor add another user account that have higher permission then themselves otherwise the power will be misused. Therefore, in this project, we will display the information if only they are permitted to know.

```
//Used Case -welcome *Simplified*
if ($position == "Tour Manager of Asia") {
    ...collapse...
} elseif ($position == "Tour Manager of Europe") {
    ...collapse...
} elseif ($position == "Tour Manager of Exotic") {
    ...collapse...
} elseif ($position == "Manager" || $position == "Assistant Manager") {
    ...collapse...
} else {
    include_once("php_common/nav.php");
    notpremit();
}
```

Above framework are used heavily in dashboard(C_welcome) where user is permitted to view certain information. For example, in this organisation, only Manager and Assistant are permitted to register a new account hence only if the variable “\$position” is equal to Manager or Assistant Manager then only the link will be appearing.

Plus. If the function is not premitted to this account, [not premitted function](#) will be execute. More over, all of the function is actually been execute when the page is open but it is hidden by default.

Welcome! Manager, cheng.kang

UserName	cheng.kang
Current Password	
New Password	
Confirm New Password	
First Name	Ching
Last Name	Cheng Kang
IC Number	990503015307
Position	Manager
Belonging Agency	Roystar Travel and Tours Sdn Bhd

Update

Figure 21 Manager point of view

Welcome! Junior Sales, nopermission

UserName	nopermission
Current Password	
New Password	
Confirm New Password	
First Name	asd
Last Name	ad
IC Number	990503-01-53
Position	Junior Sales
Belonging Agency	Hong Thai Travel and Tours Sdn Bhd

Update

Figure 22 Junior Sales of view

In above example “Feedback” and “Register Employee” are not shown in the dashboard because the account is not permitted to view that information.

5.4.3. Create Trip and Tour

Trip

```
<!--welcome.php *Simplified* real work present as table>
<form action="php_common/add_trip.php" method="post">
    <input type="date" name="departure_date" class="form-control">
    <input type="number" name="Fee" class="form-control">
    <select name="Airline" class="custom-select mt-1 mb-1" type="text">
        <option value="Malaysia Airline"> Malaysia Airline</option>
        <option value="Air Mauritius"> Air Mauritius</option>
        <option value="Emirates Air"> Emirates Air</option>
        <option value="Etihad Airline"> Etihad Airline</option>
        <option value="Malindo"> Malindo</option>
        <option value="Oman Air"> Oman Air</option>
        <option value="Qatar Airline"> Qatar Airline</option>
        <option value="Vietnam Air"> Vietnam Air</option>
    </select>
    <select class="custom-select mt-1 mb-1" name="TourCode" type="text">
        <?php
            include_once("itenerary.php");
            CallTour();
        ?>
    </select>
    <input type="submit" value="Add Trip" class="btn btn-lg btn-primary">
</form>
```

```
<?php
    //path:php_common/add_trip.php
if ($_SERVER['REQUEST_METHOD'] == "POST" ) {
    include_once("../config.php");
    $departure_date = mysqli_real_escape_string($db, $_POST['departure_date']);
    $newDate = date("Y-m-d", strtotime($departure_date));
    $Fee = mysqli_real_escape_string($db, $_POST['Fee']);
    $Airline = mysqli_real_escape_string($db, $_POST['Airline']);
    $TourCode = mysqli_real_escape_string($db, $_POST['TourCode']);
    $sql = "INSERT INTO `Trip`(`Departure_date`, `Fee`, `Airline`, `FK_TourCode`) VALUES ('$newDate', '$Fee','$Airline','$TourCode')";
    if (mysqli_query($db, $sql)) {
        echo ("<script> alert('Add Sucess!'); </script>");
        echo ("<script> window.history.go(-1)');</script> ");
    } else {
        echo ("<script> alert('Something wrong :3'); </script>");
        echo ("<script> window.history.go(-1)');</script> ");
    }
}
?>
```

After the user trigger the JavaScript function and the addtrip section is shown. A form that required user to input the date, Fee, Airline and its relative tour. Relative tour will be using the function “Call Tour” that we mention earlier in [booking section](#) where it will echo out a list of available tour in the database.

Before the sql command been execute, we will change the data to matches the MySQL format. If the SQL command execute successfully, the user will be prompt “Add success!” and redirect back to dashboard. Conversely, if the SQL command is not executing successfully, it will prompt “Something wrong :3” to user.

The screenshot shows a dark-themed web application interface. At the top, there's a navigation bar with links for 'Smart Holidays', 'Home', 'Trips', 'About Us', 'Dashboard', and 'Log out'. Below the navigation is a welcome message: 'Welcome! Junior Sales, nopermission'. On the left, a sidebar menu lists options: 'Profile', 'Managed Trip', 'Update Trip', 'Delete Trip', 'Add Trip' (which is highlighted in blue), 'Add Tour', 'Update Tour', and 'Delete Tour'. The main content area contains four input fields: 'Departure Date' (dd/mm/yyyy), 'Fee (RM)', 'Airline' (set to 'Malaysia Airline'), and 'Tour Code' (set to '10D7N Best of Turkey'). A blue 'Add Trip' button is located at the bottom right of the form area.

Figure 23 Add Trip in Desktop

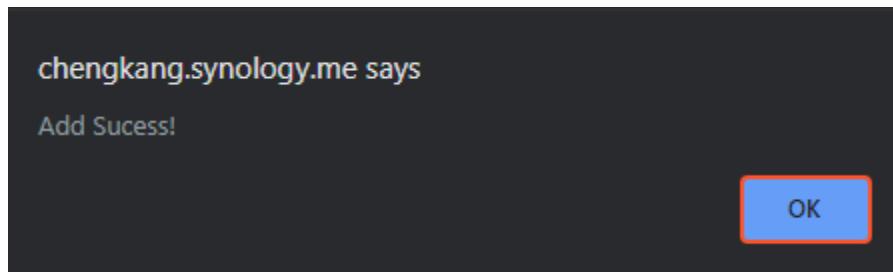


Figure 24 Add success prompt

Tour

```
<!--Used Case welcome.php-->

<form action="php_common/add_tour_tourdes.php" method="post" enctype="multipart/form-data">

    <input type="text" name="TourCode" class="form-control" placeholder="Tour Code">
    <input type="text" name="TourName" class="form-control" placeholder="Tour Name">
    <input type="file" class="custom-file-input" name="pic" accept="image/*">
    <input type="file" class="custom-file-input" name="itenerary" accept="application/pdf">
        <select name="Category" class="custom-select">
            <option value="Asia"> Asia</option>
            <option value="Asia"> Exotic</option>
            <option value="Asia"> Europe</option>
        </select>
        <select name="Destination" class="custom-select">
            <option value="Malaysia">Malaysia</option>
            <option value="Turkey">Turkey</option>
            <option value="Indonesia">Indonesia</option>
            <option value="Taiwan">Taiwan</option>
            <option value="Europe">Europe</option>
            <option value="Italy">Italy</option>
            <option value="Cairo">Cairo</option>
            <option value="Vietnam">Vietnam</option>
            <option value="Thailand">Thailand</option>
            <option value="Arfica">Arfica</option>
            <option value="China">China</option>
        </select>
    <textarea row="3" col="50" class="form-control" name="Point_1"></textarea>
    <textarea row="3" col="50" class="form-control" name="Des_1"></textarea>
    <textarea row="3" col="50" class="form-control" name="Point_2"></textarea>
    <textarea row="3" col="50" class="form-control" name="Des_2"></textarea>
    <textarea row="3" col="50" class="form-control" name="Point_3"></textarea>
    <textarea row="3" col="50" class="form-control" name="Des_3"></textarea>
    <textarea row="3" col="50" class="form-control" name="Point_4"></textarea>
    <textarea row="3" col="50" class="form-control" name="Des_4"></textarea>
    . . . . . " " . . " . . . . . " . . . . . " . . . . . " . . . . . " . . . . . " . . . . . " . . . . . "
```

<https://www.youtube.com/watch?v=JaRq73y5MJk&t=1s>

```

if ($_SERVER['REQUEST_METHOD'] == "POST") {
    //welcome.php
    include_once('config.php');
    $TourCode = mysqli_real_escape_string($db, $_POST['TourCode']);
    $TourName = mysqli_real_escape_string($db, $_POST['TourName']);
    $Category = mysqli_real_escape_string($db, $_POST['Category']);
    $Destination = mysqli_real_escape_string($db, $_POST['Destination']);
    $TourCodesql = "SELECT * FROM Tour Where TourCode='$TourCode'";
    $TourQuery = mysqli_query($db, $TourCodesql);
    $Tourrow = mysqli_fetch_array($TourQuery, MYSQLI_ASSOC);
    $Touractive = $Tourrow['active'];
    $Tourcount = mysqli_num_rows($TourQuery);
    if ($Tourcount == "0") {
        //Upload itenerary and tour code
        $pic_file = $_FILES['pic'];
        $pic_fileName = $pic_file['name'];
        $pic_filetmpName = $pic_file['tmp_name'];
        $pic_fileError = $pic_file['error'];
        $pic_filetype = $pic_file['type'];
        $pic_fileExt = explode('.', $pic_fileName);
        $pic_FileactualExt = strtolower(end($pic_fileExt));
        $pic_allowed = array('jpg', 'jpeg', 'png');
        if (in_array($pic_FileactualExt, $pic_allowed)) {
            if ($pic_fileError === 0) {
                $pic_FileNameNEW = "$TourCode.$pic_FileactualExt";
                $pic_fileDestination = "/volume1/web/test/php-
assignment/itinerary/$Category/$pic_FileNameNEW";
                move_uploaded_file($pic_filetmpName, $pic_fileDestination);
            } else {echo "Error happen when upload";}
        } else {echo "File type not premit";}

        $pdf_file = $_FILES['itenerary'];
        $pdf_fileName = $pdf_file['name'];
        $pdf_filetmpName = $pdf_file['tmp_name'];
        $pdf_fileError = $pdf_file['error'];
        $pdf_filetype = $pdf_file['type'];
        $pdf_fileExt = explode('.', $pdf_fileName);
        $pdf_FileactualExt = strtolower(end($pdf_fileExt));
        $pdf_allowed = array('pdf');
        if (in_array($pdf_FileactualExt, $pdf_allowed)) {
            if ($pdf_fileError === 0) {
                $pdf_FileNameNEW = "$TourCode.$pdf_FileactualExt";
                $pdf_fileDestination = "/volume1/web/test/php-
assignment/itinerary/$Category/$pdf_FileNameNEW";
                move_uploaded_file($pdf_filetmpName, $pdf_fileDestination);
            } else {echo "Error happen when upload";}
        } else {echo "File type not premit";}
    }
}

```

```

// Declare value for Manager of The Area
if ($Category == "Asia") {$FK_E_username = "jmoen";}
elseif ($Category == "Europe") {$FK_E_username = "ljones";}
elseif ($Category == "Exotic") {$FK_E_username = "nicholaus06";}

$pdf_httpcess = "http://chengkang.synology.me/test/php-
assignment/itinerary/$Category/$pdf_FileNameNEW";
$pic_httpcess = "http://chengkang.synology.me/test/php-
assignment/itinerary/$Category/$pic_FileNameNEW";

$addToursql = "INSERT INTO `Tour`(`TourCode`, `Name`, `Destination`, `Categ
ory`, `FK_E_username`, `itinerary_url`, `thumbnail_url`) VALUES ('$TourCode','$Tour
Name','$Destination','$Category','$FK_E_username','$pdf_httpcess','$pic_httpcess')";
";
if (mysqli_query($db, $addToursql)) {
    $P1 = mysqli_real_escape_string($db, $_POST['Point_1']);
    $D1 = mysqli_real_escape_string($db, $_POST['Des_1']);
    $P2 = mysqli_real_escape_string($db, $_POST['Point_2']);
    $D2 = mysqli_real_escape_string($db, $_POST['Des_2']);
    $P3 = mysqli_real_escape_string($db, $_POST['Point_3']);
    $D3 = mysqli_real_escape_string($db, $_POST['Des_3']);
    $P4 = mysqli_real_escape_string($db, $_POST['Point_4']);
    $D4 = mysqli_real_escape_string($db, $_POST['Des_4']);

    $addTourdes = "INSERT INTO `Tour_des`(`FK_TourCode`, `Point_1`, `Des_1`
, `Point_2`, `Des_2`, `Point_3`, `Des_3`, `Point_4`, `Des_4`) VALUES ('$TourCode',
<b>$P1</b> - ', '$D1', '<b>$P2</b> - ', '$D2', '<b>$P3</b> - ', '$D3', '<b>$P4</b> -
', '$D4');";
    if (mysqli_query($db, $addTourdes)) {
        echo "<script> alert('Insert Sucess!'); </script>";
        echo("<script> window.history.go(-1);</script>");
    } else {echo "sth wrong again bro";}
} else {echo "Sth Wrong la bro ";}
} else {echo "Duplicate entry for Tour Code :");}
}

```

After the user triggered out addTour section, user must fill up new tour code, new tour name, upload the thumbnail picture, relative itinerary file in pdf, category, Destination and 4 highlighted point and its description.

In side html, we specify the accepted type of file uploaded for thumbnail is image file type and pdf file type for the itinerary to ease to user when they upload the file where the customer operating system will filter out unwanted file type. Despite this functionality already apply, user still can bypass this limitation and upload file they wanted. Hence, we must verify that the user uploaded the file type that we wanted.

Method that we use to determine the file type is by extract the file type in the file name. When user submit the form, a series of information will be declaring and save in super global variable “\$_FILES” including the name, temporary location, the type of the file and the error when uploading.

By using `explore()` function, we can split string by using delimiter(the boundary string)into an array of string. (Group, 2019) Thus, by using `end()` function, we can choose the last string in the array where `explore()` function declare, and it will give us the file extension.

Before we move the file from temporary storage to our file server, we will check whether the uploaded file is allowed or not, where the allowed file type for thumbnail is jpg, jpeg and png file type while we only accept pdf file format for itinerary. Subsequently, we will use `move_upload_file` to move the file from temporary storage to out actual file server.

This function required to pass down two parameters to move the file, the first parameter is used to specifies the filename of the uploaded file and the second parameter is the destination of the file. In this case, the new file will be name after its tour code by after the file extension and the destination of the file will be save in to the file server where the file path will be:

```
/volume1/web/test/php-assignment/itinerary/$Category/$pic_FileNameNEW  
/volume1/web/test/php-assignment/itinerary/$Category/$pdf_FileNameNEW
```

Above path is designed to match the linux-based system where the application is built and test. Please change the file path if the environment for used case is different. In the event of the file do not upload, we must change the write permission of the upload folder.

```
sudo chmod 0777
```

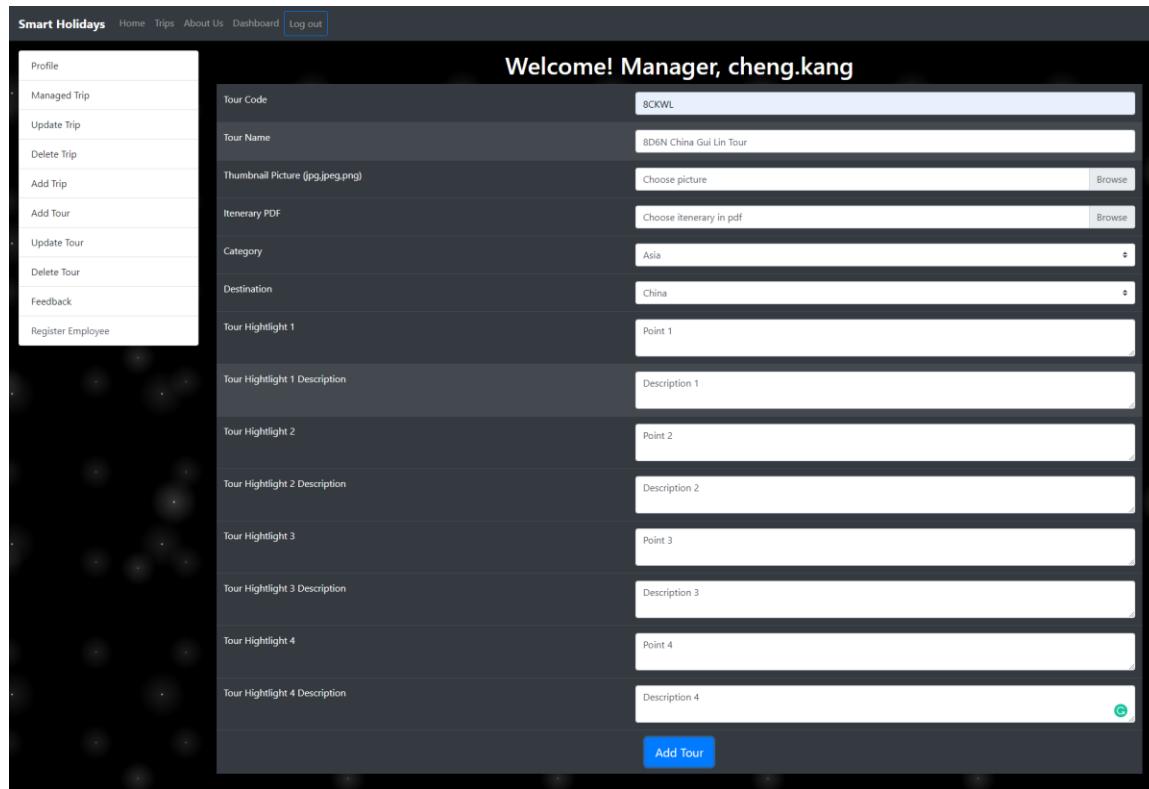
Above command must be executed in linux (Debian-base) environment to allow the access of the folder.

In the organisation, tour manager should be responsible to handle the tour that managed by his area. Therefore, FK_E_username will be automatically assigning to the respective tour manager by the area.

The file server where the thumbnail and the itinerary uploaded is configured to that the file inside the folder are readable from the internet. Hence, the Uniform Resource Locator(URL) of the thumbnail and the itinerary can be generate by adding the file path and the domain name of the server.

When all the Tour information are collected, we will first add the information to the Table “Tour” where TourCode, Tour Name, Destination, Category, Employee Username, itinerary url and thumbnail picture will be inserted to the table. Immediately after we will update the Tour highlight and its description to the “Tour_des” table. The point of the highlight will be insert along with “” tag where it will hold the highlight when it get echo out. After all code have been executed success fully, user will be prompt

“Insert success” and redirect to the dashboard.



The screenshot shows a web-based tour management system. On the left, a sidebar menu lists options: Profile, Managed Trip, Update Trip, Delete Trip, Add Trip, Add Tour, Update Tour, Delete Tour, Feedback, and Register Employee. The main content area is titled "Welcome! Manager, cheng.kang". It contains fields for Tour Code (8CKWL), Tour Name (8D6N China Gui Lin Tour), and a "Thumbnail Picture (.jpg,.jpeg,.png)" input field with a "Choose picture" button and a "Browse" button. Below these are fields for Itinerary PDF (Choose itinerary in pdf) and a "Category" dropdown set to Asia. The "Destination" dropdown is set to China. The "Tour Highlight 1" section includes a "Point 1" input field and a "Description 1" input field containing "Description 1". Subsequent sections for "Tour Highlight 2", "Tour Highlight 3", and "Tour Highlight 4" each have a "Point" input field (Point 2, Point 3, Point 4) and a "Description" input field (Description 2, Description 3, Description 4). At the bottom right is a blue "Add Tour" button.

Figure 25 Add Tour and tour description

5.4.4. Read Manage/Booked Trip and Tour

Employee

```
<?php
    //welcome.php
echo "<table class='table table-dark table-hover '>
    <thead>
        <tr>
            <th scope='col'> Customer Name </th>
            <th scope='col'> Customer Phone </th>
            <th scope='col'> Trip ID </th>
            <th scope='col'> Tour Code </th>
            <th scope='col'> Tour Name </th>
            <th scope='col'> Destination </th>
            <th scope='col'> Departure date </th>
            <th scope='col'> Fee </th>
            <th scope='col'> Airline </th>
            <th scope='col'> Itinerary </th>
        </tr>
    </thead>";
if ($position == "Manager" || $position == "Assistant Manager") {
    echo "<h1 class='text-center'>Welcome! $position, $login_session </h1>";
    $query_sql = mysqli_query($db, "SELECT B.Booking_ID,
        C.FName,C.LName,Trip.Trip_ID,T.TourCode,C.Phone_num,T.Name,T.Destination,Trip.Departure_date,Trip.Fee,Trip.Airline,E.username,T.itinerary_url
        FROM Booking B
        INNER JOIN Customer C ON B.FK_C_username=C.username
        INNER JOIN Trip on Trip.Trip_ID=B.FK_Trip_ID
        INNER join Tour T on Trip.FK_TourCode=T.TourCode
        INNER JOIN Employee E on T.FK_E_username=E.username");
    while ($row = mysqli_fetch_assoc($query_sql)) {
        echo "
            <tbody>
            <tr>
                <td>      {$row['FName']} {$row['LName']}      </td>
                <td>      {$row['Phone_num']}      </td>
                <td>      {$row['Trip_ID']}      </td>
                <td>      {$row['TourCode']}      </td>
                <td>      {$row['Name']}      </td>
                <td>      {$row['Destination']}      </td>
                <td>      {$row['Departure_date']}      </td>
                <td>      RM {$row['Fee']}      </td>
                <td>      {$row['Airline']}      </td>
                <td>      <a href='{$row['itinerary_url']}'>
                    <img src='img/itenerary.png'/></a>      </td>
            </tr>
        </tbody>";
    }
    echo "</table>";
}
...continue...
```

```

...continue...
else {
    echo "<h1 class='text-center'>Welcome! $position, $login_session </h1>";
    $query_sql = mysqli_query($db, "SELECT B.Booking_ID,C.FName,C.LName,Trip.Trip_ID,T.TourCode,C.Phone_num,T.Name,T.Destination,Trip.Departure_date,Trip.Fee,Trip.Airline,E.username ,T.itinerary_url
                                    FROM Booking B
                                    INNER JOIN Customer C ON B.FK_C_username=C.username
                                    INNER JOIN Trip on Trip.Trip_ID=B.FK_Trip_ID
                                    INNER join Tour T on Trip.FK_TourCode=T.TourCode
                                    INNER JOIN Employee E on T.FK_E_username=E.username
                                    WHERE E.username='$login_session'");
    while ($row = mysqli_fetch_assoc($query_sql)) {
        ...collapse...
    }
    echo "</table>";
}

```

After the user triggered and the managed trips are shown, the php will determine the position of the user. If the position of the user is Manager or Assistant Manager, it will echo out all the tour information and as a glance or quick view for the user. If the user is not Manager or assistant manager, this section will display their respective managed tour.

The screenshot shows the 'Smart Holidays' application interface. At the top, there is a navigation bar with links for Home, Trips, About Us, Dashboard, and Log out. Below the navigation bar, a sidebar on the left contains links for Profile, Managed Trip, Update Trip, Delete Trip, Add Trip, Add Tour, Update Tour, and Delete Tour. The main content area has a title 'Welcome! Tour Manager of Europe, ljones'. Below the title is a table displaying managed trips. The table columns are: Customer Name, Customer Phone, Tour Code, Tour Name, Destination, Departure date, Fee, Airline, and Itinerary. The table data includes:

Customer Name	Customer Phone	Tour Code	Tour Name	Destination	Departure date	Fee	Airline	Itinerary
Kenny Marinda Aston	0173076026	11ELPS	11D8N Europe Classic Full Board	Europe	2019-12-01	RM 9498	Qatar Airline	
customer customer	60127067086	14EGSA	14D11N The Best of Austria And Switzerland	Austria	2109-12-18	RM 11498	Emirates	
customer customer	60127067086	14ESIMF	14D11N The Best of Switzerland - Italy - Monaco - French Riviera	Europe	2019-12-12	RM 10998	Vietnam Air	
Sid Lexia Archer	0114705635	14ESIMF	14D11N The Best of Switzerland - Italy - Monaco - French Riviera	Europe	2019-11-27	RM 10498	Emirates Air	
Brock Alysa Caulfield	0171011967	14EWP	14D11N Classic Eastern Europe	Europe	2019-11-28	RM 11498	Etihad Airline	
Brock Alysa Caulfield	0171011967	14EWP	14D11N Classic Eastern Europe	Europe	2019-12-11	RM 11498	Etihad Airline	
Angus Peg Tittensor	0169423562	14EWP	14D11N Classic Eastern Europe	Europe	2019-12-11	RM 11498	Etihad Airline	

Figure 26 Managed trip by Tour Manager of Europe

Customer

```
<?php
//customer.php
//https://www.youtube.com/watch?v=pc0otVM80Sk
echo "<h1 class='text-center text-white'>Welcome! $position, $login_session </h1>";
$query_sql = mysqli_query($db, "SELECT B.Booking_ID,B.FK_Trip_ID,B.FK_C_username,Tour.TourCode ,Tour.Name,T.Departure_date,T.Fee,Tour.itinerary_url
FROM Booking B
inner JOIN Trip T on T.Trip_ID=B.FK_Trip_ID
INNER JOIN Tour ON T.FK_TourCode=Tour.TourCode
where B.FK_C_username='$login_session'");
echo "<table border='1' class='table table-striped table-dark table-hover '>";
echo "    <thead>
<tr>
    <td>        Booking ID        </td>
    <td>        Trip ID        </td>
    <td>        Tour Code        </td>
    <td>        Tour Name        </td>
    <td>        Departure Date        </td>
    <td>        Fee        </td>
    <td>        Itinerary        </td>
</tr>
</thead>";
while ($row = mysqli_fetch_assoc($query_sql)) {
    echo "
<tr>
    <td>        {$row['Booking_ID']}        </td>
    <td>        {$row['FK_Trip_ID']}        </td>
    <td>        {$row['TourCode']}        </td>
    <td>        {$row['Name']}        </td>
    <td>        {$row['Departure_date']}        </td>
    <td>RM        {$row['Fee']}.00        </td>
    <td><a href='{$row['itinerary_url']}'>
        <img src='img/itenerary.png' /></a>        </td>
</tr>";
}
echo "</table>
<h3 class='text-
white'> Once booked trip will not be refund, any cancelation must be contact by cus
tomer services </h3>";
?>
```

On the customer side, after the customer triggered the booked section, php will echo out the query from the database where the booking id, Trip ID, Tour Code, Tour Name, departure date, fee and its itinerary will be displayed. Customer will be able to view the trip and the tour they booked in this page.

Smart Holidays Home Trips About Us Dashboard Log out

Welcome! , acceptchaby

Profile	Booked Trip	Book Another Trip	Booking ID	Trip ID	Tour Code	Tour Name	Departure Date	Fee	Itinerary
			6	56	14EWP	14D11N Classic Eastern Europe	2019-11-28	RM 11498.00	
			7	57	14EWP	14D11N Classic Eastern Europe	2019-12-11	RM 11498.00	
			12	14	SHAN	SD4N Hanoi – Halong Bay – Ninh Binh Bich Dong Tour	2019-11-23	RM 1998.00	

Once booked trip will not be refund, any cancellation must be contact by customer services

Figure 27 Customer view of booked trip

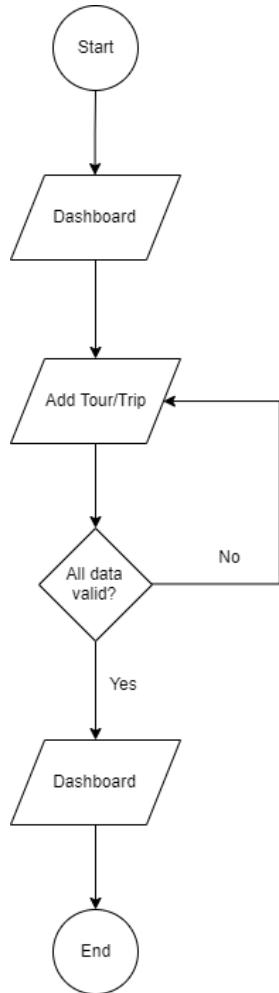


Figure 28 Data Flow of Add trip

5.4.5. Update Trip/Tour

Edit trip

```
<?php
    //welcome.php
if ($position == "Tour Manager of Asia") {
    echo "<h1 class='text-center'>Welcome! $position, $login_session </h1>";
    echo ("
        <table border='0' class='table table-striped table-dark table-hover'>
            <tr>
                <th scope='col'> Trip ID </th>
                <th scope='col'> Departure Date </th>
                <th scope='col'> Fee(RM) </th>
                <th scope='col'> Airline </th>
                <th scope='col'> Tour Code</th>
                <th scope='col'> Tour Name</th>
                <th scope='col'> Update </th>
            </tr>
        ");
    $trip_asia_JOINED_sql = "SELECT Tr.Trip_ID ,Tr.Departure_date,Tr.Fee,Tr.Airline,Tr.FK_TourCode,T.Name
        from Trip Tr inner JOIN Tour T on Tr.FK_TourCode=T.TourCode
        WHERE Category='Asia'
        ORDER BY Tr.Trip_ID ASC";
    $trip_asia_JOINED_query = mysqli_query($db, $trip_asia_JOINED_sql);
    while ($trip_asia_row = mysqli_fetch_assoc($trip_asia_JOINED_query)) {
        echo "
            <form method='POST' action='php_common/edit_trip.php'>
            <tr>
                <td><input value='{$trip_asia_row['Trip_ID']}' name='Trip_ID' hidden>{$trip_asia_row['Trip_ID']}
```

```

<?php
if ($_SERVER['REQUEST_METHOD'] == "POST" ) {
    include_once("../config.php");
    $Trip_ID = mysqli_real_escape_string($db, $_POST['Trip_ID']);
    $Departure_date = mysqli_real_escape_string($db, $_POST['Departure_date']);
    $Fee = mysqli_real_escape_string($db, $_POST['Fee']);
    $Airline = mysqli_real_escape_string($db, $_POST['Airline']);
    $FK_TourCode = mysqli_real_escape_string($db, $_POST['FK_TourCode']);
    $sql = "UPDATE `Trip` SET `Departure_date`='$Departure_date',`Fee`='$Fee',`Airline`='$Airline',`FK_TourCode`='$FK_TourCode' WHERE `Trip_ID`='$Trip_ID'";
    if (mysqli_query($db, $sql)) {
        echo ("<script> alert('Edit Success!'); </script>");
        echo ("<script> window.history.go(-1)');</script>");
    } else {
        echo ("<script> alert('Error happen! Whyyyy'); </script>");
        echo ("<script> window.history.go(-1)');</script>");
    });
}
?>

```

After the user triggered the update trip section, the above php code will process the data according to the employee position. User will be shown the available trip in their respective area where only the Manager and Assistant Manager can edit and modify the TourCode.

The table will show the respective Trip ID, Departure date, Fee, Airline, Tour Code, Tour Name to the employee with additional column or submit button where it will show “Update”. Each row of the record is a form where it will send the information to “php_common/edit_trip.php” to continue the process.

“edit_trip.php” will process the data and execute SQL UPDATE command to the database to change the trip information. User will be prompt “Edit Success” and redirect back to previous page if the sql command execute successfully.

Otherwise, user will be prompt with an error message “Error Happen! Whyyyy” and redirect back to the previous page

The screenshot shows a web-based travel management system. At the top, there's a navigation bar with links for Home, Trips, About Us, Dashboard, and Log out. Below the navigation is a sidebar titled "Profile" containing links for Managed Trip, Update Trip, Delete Trip, Add Trip, Add Tour, Update Tour, and Delete Tour. The main content area is titled "Welcome! Tour Manager of Exotic, nicholaus06". It displays a table of trip details:

Trip ID	Departure Date	Fee(RM)	Airline	Tour Code	Tour Name	Update
66	09/11/2019	9398	Air Mauritius	8XSAB	8D5N South Africa Explorer Tour	<button>Update</button>
67	16/11/2019	9398	Air Mauritius	8XSAR	8D5N South Africa Explorer Tour	<button>Update</button>
68	09/11/2019	5198	Emirates Air	10XII	10D7N Best of Turkey	<button>Update</button>
69	12/11/2019	5198	Emirates Air	10XII	10D7N Best of Turkey	<button>Update</button>
70	17/12/2019	5798	Emirates Air	10XII	10D7N Best of Turkey	<button>Update</button>
71	28/11/2019	5798	Emirates Air	10XII	10D7N Best of Turkey	<button>Update</button>
72	25/12/2019	5798	Emirates Air	10XII	10D7N Best of Turkey	<button>Update</button>
73	11/11/2019	7898	Etihad Airline	9CAI	9D7N Cairo & 5 Star Nile Cruise	<button>Update</button>
74	20/11/2019	7898	Etihad Airline	9CAI	9D7N Cairo & 5 Star Nile Cruise	<button>Update</button>
75	25/11/2019	8798	Etihad Airline	9CAI	9D7N Cairo & 5 Star Nile Cruise	<button>Update</button>
76	07/12/2019	8798	Etihad Airline	9CAI	9D7N Cairo & 5 Star Nile Cruise	<button>Update</button>
77	24/12/2019	8798	Etihad Airline	9CAI	9D7N Cairo & 5 Star Nile Cruise	<button>Update</button>
78	30/12/2019	8798	Etihad Airline	9CAI	9D7N Cairo & 5 Star Nile Cruise	<button>Update</button>
84	17/10/2019	3000	Malaysia Airline	10XII	10D7N Best of Turkey	<button>Update</button>

Figure 29 Update view in the view of Tour Manager of Exotic

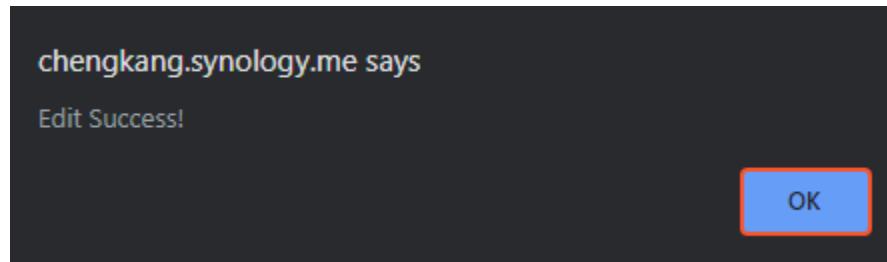


Figure 30 Edit Success prompt

Edit Tour

```
<?php
    //Used Case - welcome.php
if ($position == "Tour Manager of Asia") {
    echo "<h1 class='text-center'>Welcome! $position, $login_session </h1>";
    $sql_Asia = "SELECT * from Tour where category='Asia'";
    $query_Asia = mysqli_query($db, $sql_Asia);
    echo (""
        <table border='0' class='table table-striped table-dark table-
        hover' id='Update_tour_table'>
            <thead><tr>
                <th scope='col'> Tour Code </th>
                <th scope='col'> Tour Name </th>
                <th scope='col'> Destination </th>
                <th scope='col'> Itinerary </th>
                <th scope='col'> Update </th></tr>
            </thead>
        ");
    while ($row_asia = mysqli_fetch_assoc($query_Asia)) {
        echo ""
        <form method='POST' action='php_common/edit_tour.php'>
        <tbody>
            <tr><td><input value='{$row_asia['TourCode']}' name='TourCode' hidden>
                {$row_asia['TourCode']}
```

```

<?php
    // path: "php_common/edit_tour.php"
if ($_SERVER['REQUEST_METHOD']=="POST") {
include_once("../config.php");
$TourCode= mysqli_real_escape_string($db,$_POST['TourCode']);
$TourName= mysqli_real_escape_string($db,$_POST['TourName']);
$category= mysqli_real_escape_string($db,$_POST['Category']);
$itinerary=mysqli_real_escape_string($db,$_POST['itinerary']);
$Destination=mysqli_real_escape_string($db,$_POST['Destination']);
$FK_E_username=mysqli_real_escape_string($db,$_POST['FK_E_username']);
$thumbnail_url=mysqli_real_escape_string($db,$_POST['thumbnail_url']);
$itinerary_url=mysqli_real_escape_string($db,$_POST['itinerary']);

$sql="UPDATE `Tour` SET `Name`='$TourName',`Destination`='$Destination',`Category`=
'$category',`FK_E_username`='$FK_E_username',`itinerary_url`='$itinerary_url',`thum
bnail_url`='$thumbnail_url' WHERE `TourCode`='$TourCode'";

if (mysqli_query($db,$sql)) {
    echo("<script> alert('Edit Sucess!'); </script>");
    echo("<script> window.history.go(-1);</script>");
} else {echo "There is some error (●~▽~●)";}}?>

```

After the user triggered the update tour section, the above php code will process the data according to the employee position. User will be shown the available tour in their respective area where by only the Manager and Assistant Manager can edit and assign the tour to specified user to managed where the tour will be shown in their managed trip section. Beside that, manager also can change the category of the tour to other category.

The table will show the respective Tour Code, Tour Name, Destination, Itinerary and update button for Tour Manager. In addition for manager and assistant manager, they will be able to change the category, and assign to another employee. Other position of employee will not get any information but a not permit error will be shown.

Each row of the record is a form where it will send the information to “php_common/edit_tour.php” to continue the process.

“edit_tour.php” will process the data and execute SQL UPDATE command to the database to change the trip information. User will be prompt “Edit Success” and redirect back to previous page if the sql command execute successfully. Otherwise, user will be prompt with an error message “There is some error (●~▽~●)” and redirect back to the previous page

Welcome! Manager, cheng.kang

Tour Code	Tour Name	Destination	Category	Managed by	Itinerary	Update
10XII	10D7N Best of Turkey	Turkey	Exotic	nicholaus06		<button>Update</button>
11ELPS	11D8N Europe Classic Full Board	Europe	Europe	ljones		<button>Update</button>
14EGSA	14D11N The Best of Austria And Switz.	Austria	Europe	ljones		<button>Update</button>
14ESIMF	14D11N The Best of Switzerland - Italy	Europe	Europe	ljones		<button>Update</button>
14EWP	14D11N Classic Eastern Europe	Europe	Europe	ljones		<button>Update</button>
5BKK	SD4N Bangkok + Hua Hin Tour	Thailand	Asia	jmoen		<button>Update</button>
SDPS	SD4N Bali Dolphin	Indonesia	Asia	jmoen		<button>Update</button>
SHAN	SD4N Hanoi – Halong Bay – Ninh Binh	Vietnam	Asia	jmoen		<button>Update</button>
SIBP	SD4N Jakarta- Puncak – Bandung Tour	Indonesia	Asia	jmoen		<button>Update</button>
6TPE	6D5N Taiwan Value West Tour	Taiwan	Asia	jmoen		<button>Update</button>
7TPE	7D6N West Of Taiwan + Explorer Alishan	Taiwan	Asia	jmoen		<button>Update</button>
8EGNP	8D5N Always Popular Europe Trips	Europe	Europe	ljones		<button>Update</button>
8ITL	8D5N Best of Italy	Italy	Europe	ljones		<button>Update</button>
8XSAB	8D5N South Africa Explorer Tour	Africa	Exotic	nicholaus06		<button>Update</button>
9CAI	9D7N Cairo & 5 Star Nile Cruise	Cairo	Exotic	nicholaus06		<button>Update</button>

Figure 31 Manage of View

Welcome! Tour Manager of Asia, jmoen

Tour Code	Tour Name	Destination	Itinerary	Update
5BKK	SD4N Bangkok + Hua Hin Tour	Thailand		<button>Update</button>
SDPS	SD4N Bali Dolphin	Indonesia		<button>Update</button>
SHAN	SD4N Hanoi – Halong Bay – Ninh Binh Bich Dong Tour	Vietnam		<button>Update</button>
SIBP	SD4N Jakarta- Puncak – Bandung Tour	Indonesia		<button>Update</button>
6TPE	6D5N Taiwan Value West Tour	Taiwan		<button>Update</button>
7TPE	7D6N West Of Taiwan + Explorer Alishan Tour	Taiwan		<button>Update</button>

Figure 32 View of Tour Manager of Asia

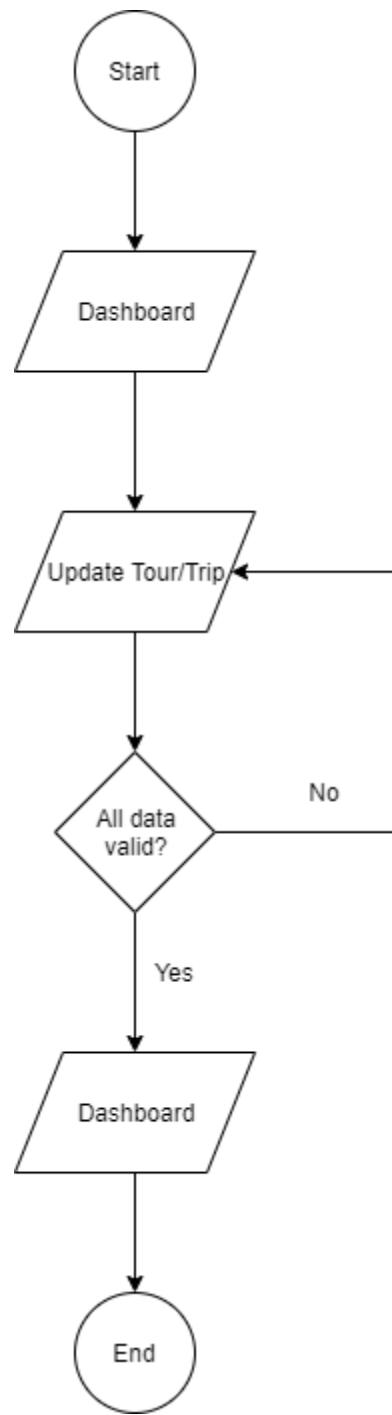


Figure 33 Data flow diagram of add trip or tour

5.4.6. Delete Trip and Tour

Delete Trip

```
<?php
    //welcome.php -used case
if ($position == "Tour Manager of Asia") {
    echo "<h1 class='text-center'>Welcome! $position, $login_session </h1>";
    echo ("<table border='0' class='table table-striped table-dark table-hover'>
        <tr>
            <th scope='col'> Trip ID </th>
            <th scope='col'> Departure Date </th>
            <th scope='col'> Fee(RM) </th>
            <th scope='col'> Airline </th>
            <th scope='col'> Tour Code</th>
            <th scope='col'> Tour Name</th>
            <th scope='col'> Delete </th>
        </tr>");
    //Select and edit the Trip
    $trip_asia_JOINED_sql = "SELECT Tr.Trip_ID ,Tr.Departure_date,Tr.Fee,Tr.Airline,Tr.FK_TourCode,T.Name
        from Trip Tr inner JOIN Tour T on Tr.FK_TourCode=T.TourCode
        WHERE Category='Asia'
        ORDER BY Tr.Trip_ID ASC
    ";
    $trip_asia_JOINED_query = mysqli_query($db, $trip_asia_JOINED_sql);
    while ($trip_asia_row = mysqli_fetch_assoc($trip_asia_JOINED_query)) {
        echo "
            <form method='POST' action='php_common/delete_trip.php' onsubmit='dconfirm()'
        '>
            <tbody>
                <tr><td><input value='{$trip_asia_row['Trip_ID']}' name='Trip_ID' hidden>
                    {$trip_asia_row['Trip_ID']}
```

```

<?php
if ($_SERVER['REQUEST_METHOD'] == "POST" ) {
    include_once("../config.php");
    $Trip_ID = mysqli_real_escape_string($db, $_POST['Trip_ID']);
    $sql = "DELETE FROM `Trip` WHERE `Trip_ID`='$Trip_ID' ";
    if (mysqli_query($db, $sql)) {
        echo ("<script> alert('Delete Sucess!'); </script>");
        echo ("<script> window.history.go(-1');</script>");
    } else {
        echo ("<script> alert('You Are Deleting a trip that already booked!'); <sc
ript>");
        echo ("<script> window.history.go(-1');</script>");
    }
}
?>

<script>
function dconfirm() {
    var r = confirm("You are about to delete a record ! \n Are you sure ?");
    if (r == FALSE) {location.reload();}
}
</script>

```

After the user triggered the Delete trip section, information will be displayed according to the employee position. User will be shown the available trip in their respective area where by only the Manager and Assistant Manager can view all of the Trip.

The table will show the respective Trip ID, Departure date, fee, Airline used, Tour Code, Tour Name and a button to delete. If the employee is not tour manager, manager or assistant manager, the user will be getting no [permit error](#). Upon the user submit the form, a function call “dconfirm()” will be triggered to confirm the delete action .

Each row of the record is a form where it will send the information to “[php_common/delete_trip.php](#)” to continue the process. The information sent is Trip_ID where it is the primary key for the table.

“[delete_trip.php](#)” will process the data and execute SQL DELETE command to the database to delete specific record by unique identifier “Trip ID”. User will be prompt “Delete Success” and redirect back to previous page if the sql command execute successfully. If the delete failed, the user will be prompt “You Are Deleting a trip that already booked” and redirect back to previous page.

The screenshot shows a web application for managing tours. At the top, there's a navigation bar with links for Home, Trips, About Us, Dashboard, and Log out. Below the navigation is a sidebar titled 'Profile' containing links for Managed Trip, Update Trip, Delete Trip, Add Trip, Add Tour, Update Tour, and Delete Tour. The main content area is titled 'Welcome! Tour Manager of Exotic, nicholaus06'. It displays a table of trip details:

Trip ID	Departure Date	Fee(RM)	Airline	Tour Code	Tour Name	Delete
66	2019-11-09	9398	Air Mauritius	8XSAB	8DSN South Africa Explorer Tour	<button>Delete</button>
67	2019-11-16	9398	Air Mauritius	8XSAB	8DSN South Africa Explorer Tour	<button>Delete</button>
68	2019-11-09	5198	Emirates Air	10XII	10D7N Best of Turkey	<button>Delete</button>
69	2019-11-12	5198	Emirates Air	10XII	10D7N Best of Turkey	<button>Delete</button>
70	2019-12-17	5798	Emirates Air	10XII	10D7N Best of Turkey	<button>Delete</button>
71	2019-11-28	5798	Emirates Air	10XII	10D7N Best of Turkey	<button>Delete</button>
72	2019-12-25	5798	Emirates Air	10XII	10D7N Best of Turkey	<button>Delete</button>
73	2019-11-11	7898	Etihad Airline	9CAI	9D7N Cairo & 5 Star Nile Cruise	<button>Delete</button>
74	2019-11-20	7898	Etihad Airline	9CAI	9D7N Cairo & 5 Star Nile Cruise	<button>Delete</button>
75	2019-11-25	8798	Etihad Airline	9CAI	9D7N Cairo & 5 Star Nile Cruise	<button>Delete</button>
76	2019-12-07	8798	Etihad Airline	9CAI	9D7N Cairo & 5 Star Nile Cruise	<button>Delete</button>
77	2019-12-24	8798	Etihad Airline	9CAI	9D7N Cairo & 5 Star Nile Cruise	<button>Delete</button>
78	2019-12-30	8798	Etihad Airline	9CAI	9D7N Cairo & 5 Star Nile Cruise	<button>Delete</button>
84	2019-10-17	3000	Malaysia Airline	10XII	10D7N Best of Turkey	<button>Delete</button>

Figure 34 Delete Trip in the view of tour manager of Exotic

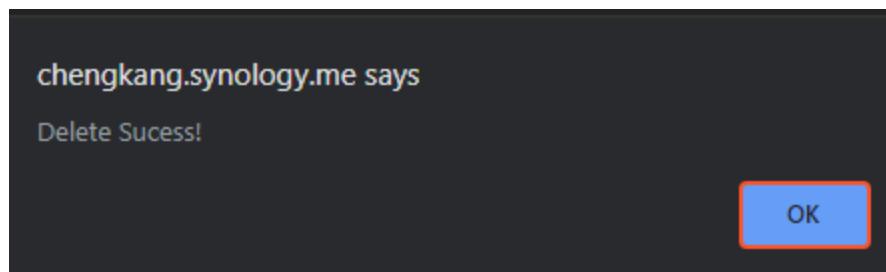


Figure 35 Delete waring upon submit the form

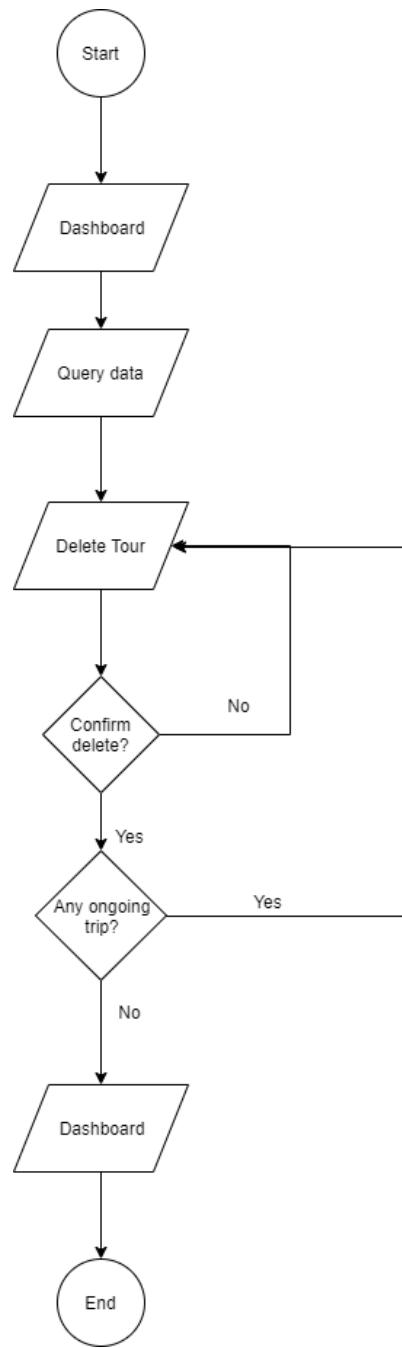


Figure 36 Data flow diagram of Delete Tour

Delete Tour

```
<?php

if ($position == "Tour Manager of Asia") {
} elseif ($position == "Tour Manager of Europe") {
} elseif ($position == "Tour Manager of Exotic") {
} elseif ($position == "Manager" || $position == "Assistant Manager") {
echo "<h1 class='text-center'>Welcome! $position, $login_session </h1>";
$sql_ALL = "SELECT * FROM Tour";
$query_ALL = mysqli_query($db, $sql_ALL);
//Only Manager can change Category
echo ("<table border='0' class='table table-striped table-dark table-hover '>
    <thead>
        <tr><th scope='col'> Tour Code </th>
            <th scope='col'> Tour Name </th>
            <th scope='col'> Destination </th>
            <th scope='col'> Category </th>
            <th scope='col'> Managed by</th>
            <th scope='col'> Itinerary </th>
            <th scope='col'> Update </th></tr>
    </thead>");
while ($row_ALL = mysqli_fetch_assoc($query_ALL)) {
    echo "
        <form method='POST' action='php_common/delete_tour.php' onsubmit='dconfirm()'%gt;
            <tbody>
                <tr>
                    <td><input value='{$row_ALL['TourCode']}' name='TourCode' hidden>
                        {$row_ALL['TourCode']}</td>
                    <td>{$row_ALL['Name']}</td>
                    <td>{$row_ALL['Destination']}</td>
                    <td>{$row_ALL['Category']}</td>
                    <td>{$row_ALL['FK_E_username']}</td>
                    <td>      <a href='{$row_ALL['itinerary_url']}'>
                        <img src='img/itenerary.png'/></a> </td>
                    <td><input type='submit' value='Delete' class='btn btn-danger'></td>
                </tr>
            </tbody>
            <input value='{$row_ALL['thumbnail_url']}' name='thumbnail_url' class='form-control' hidden>
        ";
    echo ("</form>");
}echo "</table>";
} else {
    include_once("php_common/nav.php");
    notpremit();
}
?>
```

```

<?php
if ($_SERVER['REQUEST_METHOD'] == "POST") {
    include_once("../config.php");
    $TourCode = mysqli_real_escape_string($db, $_POST['TourCode']);

    $d_tour_sql = "DELETE FROM `Tour` WHERE `TourCode`='$TourCode'";
    $d_tourdes_sql = "DELETE FROM `Tour_des` WHERE `FK_TourCode`='$TourCode'";
    $d_selected_tour_sql = "DELETE FROM `C_selected_Tour` WHERE `FK_TourCode`='$TourCode'";

    if (mysqli_query($db, $d_tourdes_sql)) {
        if (mysqli_query($db, $d_selected_tour_sql)) {
            if (mysqli_query($db, $d_tour_sql)) {
                echo ("<script> alert('Delete Sucess!'); </script>");
                echo ("<script> window.history.go(-1)';</script>");
            } else {
                header("Location:../jump/reject_delete_tour.html");
            }
        } else {
            echo ("<script> alert('unable to delete C_Selected_Tour'); </script>");
            echo ("<script> window.history.go(-1)';</script>");
        }
    } else {
        echo ("<script> alert('unable to delete Tour_des'); </script>");
        echo ("<script> window.history.go(-1)';</script>");
    }
}
?>

```

```

<script>
function dconfirm() {
    var r = confirm("You are about to delete a record ! \n Are you sure ?");
    if (r == FALSE) {
        location.reload();
    }
}
</script>

```

After the user triggered the Delete tour section, respective information will be display according to the employee position. User will be shown the available tour in their respective area where by only the Manager and Assistant Manager can view all available Tour.

The table will show the respective Tour Code, Tour Name, Destination, Itinerary and Delete button for Tour Manager. In addition for manager and assistant manager, they will be able to view the category, and employee assigned. Other position of employee will not get any information but a not permit error will be shown.

Each row of the record is a form where it will send the information to “php_common/delete_tour.php” to continue the process. The information sent is “TourCode” where it is the primary key for the table. Upon the user submit the form, a function call “dconfirm()” will be triggered to confirm the delete action .

“delete_tour.php” will process the data and execute SQL DELETE command to the database to delete specific record by unique identifier “TourCode”. User will be prompt “Delete Success” and redirect back to previous page if the sql command execute successfully. Since Tour code is a foreign key for “Tour_des” and “C_selected_Tour”, we must delete the record that in that table first then only we can really delete the record in “Tour”.

If the sql return the error, the user will be redirect to previous page except when there is a error when execute the tour sql. It will redirect the user to “jump/reject_delete_tour.html”.

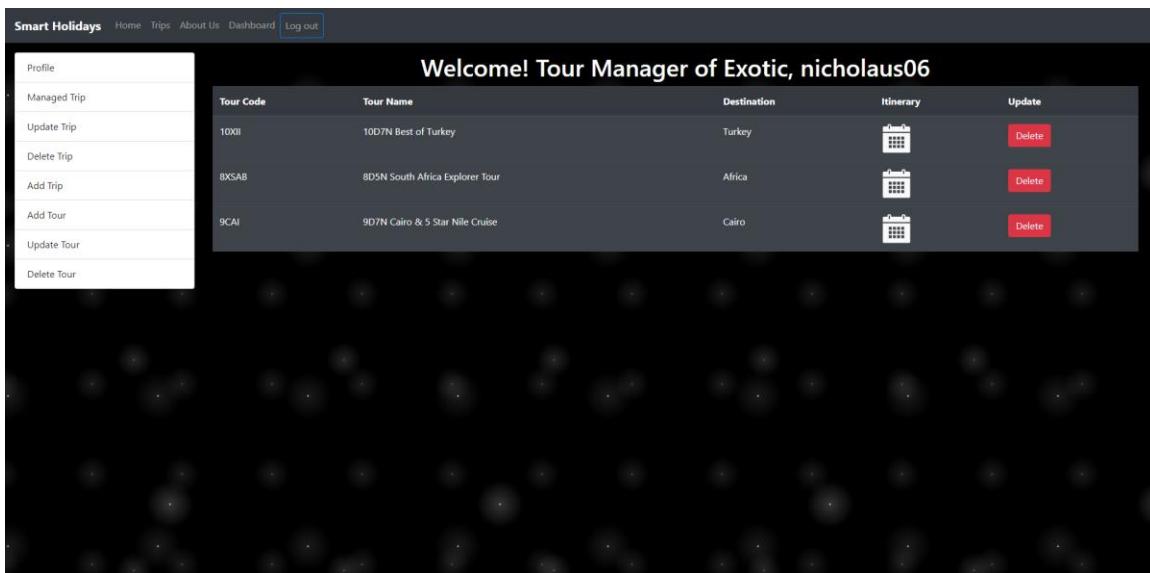


Figure 37 Delete Tour in the view of Tour Manger of Exotic

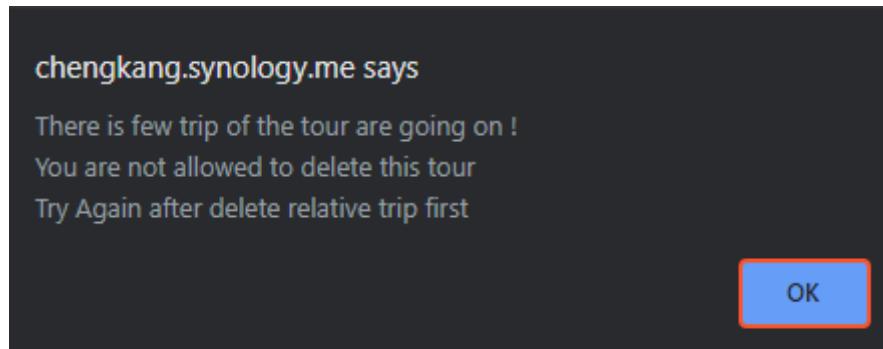


Figure 38 Delete were denied because of trip are going on

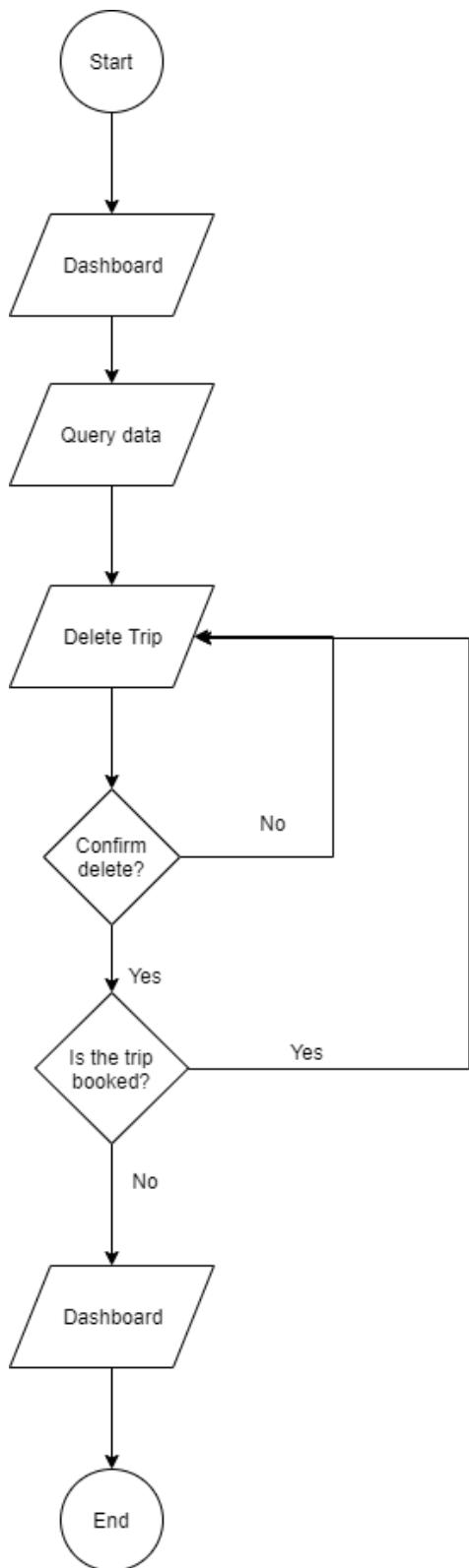


Figure 39 Data Flow Diagram of Delete Trip

5.4.7. Profile

Customer

```
<?php echo "<h1 class='text-center text-white'>Welcome! $position, $login_session </h1>"; ?>
<form action="php_common/edit_customer_profile" method="post">
    <table class="table table-dark table-striped table-hover table-bordered">
        <tr><td>User Name</td>
            <td><input class="form-control" type="text" value=<?php echo $login_session; ?>" name="username" hidden> <?php echo $login_session; ?></td></tr>
        <tr><td>Current Password</td>
            <td><input type="password" name="chk_password" class="form-control" required placeholder="Current Password" >
                <input type="password" name="real_pass" hidden value=<?php echo $password; ?>"></td></tr>
        <tr><td>New Password</td>
            <td><input type="password" class="form-control" name="password" value="" required placeholder="Leave blank if you do not wish to change password"></td></tr>
        <tr><td>Confirm New Password</td>
            <td><input type="password" class="form-control" name="C_password" value="" required placeholder="Leave blank if you do not wish to change password"></td></tr>
        <tr><td>First Name</td>
            <td><input type="text" class="form-control" name="FirstName" value=<?php echo $FName; ?>" required></td></tr>
        <tr><td>Last Name</td>
            <td><input type="text" name="LastName" class="form-control" value=<?php echo $LName; ?>" required></td></tr>
        <tr><td>Phone Number</td>
            <td><input type="text" name="phone_num" class="form-control" value=<?php echo $phone_number ;?>" required></td></tr>
        <tr><td>Passport Number</td>
            <td><input type="text" name="Passport" class="form-control" value=<?php echo $Passport; ?>" required></td></tr>
        <tr><td>Email</td>
            <td><input type="email" name="email" class="form-control" value=<?php echo $Email; ?>" required></td></tr>
        <tr><td colspan="2" class="text-center mx-auto">
            <input type="submit" value="Update" class="btn btn-lg btn-primary">
        </td></tr>
    </table>
</form>
```

```

<?php
if ($_SERVER[ 'REQUEST_METHOD' ]=="POST") {
include_once("../config.php");

$real_shapass=mysqli_real_escape_string($db,$_POST[ 'real_pass']);
$chk_password=sha1(mysqli_real_escape_string($db,$_POST[ 'chk_password']));

$password=mysqli_real_escape_string($db,$_POST[ 'password']);
$C_password=mysqli_real_escape_string($db,$_POST[ 'C_password']);
$securepass=sha1($password);

$username=mysqli_real_escape_string($db,$_POST[ 'username']);
$FirstName=mysqli_real_escape_string($db,$_POST[ 'FirstName']);
$LastName=mysqli_real_escape_string($db,$_POST[ 'LastName']);
$Passport=mysqli_real_escape_string($db,$_POST[ 'Passport']);
$email=mysqli_real_escape_string($db,$_POST[ 'email']);

if (empty($password) && empty($C_password)) {
    $securepass=$real_shapass;
}
if ($real_shapass == $chk_password && $password==$C_password ) {
    $sql="UPDATE `Customer` SET `password`='".$securepass',`FName`='".$FirstName',`LName`='".$LastName',`Phone_num`='".$Phone_num',`Email`='".$email',`Passport`='".$Passport' WHERE `username`='".$username."'";
    if (mysqli_query($db,$sql)) {
        echo("<script> alert('Update Sucess!'); window.history.go(-1);</script>");
    }
} elseif ($real_shapass !== $chk_password) {
    echo ("<script> alert('Current Password Wrong!'); </script>");
    echo("<script> window.history.go(-1);</script>");
} elseif ($password !== $C_password) {
    echo ("<script> alert('New Password doesn't match'); </script>");
    echo("<script> window.history.go(-1);</script>");
}
}

```

After the user triggered the Profile section, the user account information will be display in the table.

The table will show the username, user's First Name, user's last name, Passport number, email and his phone number. In order to update their profile, user must input the current password for verify purposes. Besides, if the user wishes to change their password, they also can change it through this page. Conversely, If user do not wish to change the password, they can simply leave it empty to not change it.

“edit_customer_profile.php” will process the data and execute SQL UPDATE command to the database to update the user profile in database where identifies by the username of the account. User will be prompt “Edit Success” and redirect back to previous page if the sql command execute successfully.

If the user enters wrong password, user will be prompt “Current password wrong” and redirect back to previous page. Likewise, if the user wish to change their password, they have to confirm the new password, if the new password and confirm password do not match. The system will prompt to the user “New Password does not match!” and redirect back to previous page

Employee

```
<form action="php_common/edit_employee_profile" method="post">
    <table class="table table-dark table-striped table-hover table-bordered">
        <tr><td>User Name</td>
            <td><input class="form-
control" type="text" value="php echo $login_session; ?&gt;" name="username" hidden&gt; &lt;
?php echo $login_session; ?&gt;&lt;/td&gt;&lt;/tr&gt;
        &lt;tr&gt;&lt;td&gt;Current Password&lt;/td&gt;
            &lt;td&gt;&lt;input type="password" name="chk_password" class="form-
control" placeholder="Current Password" required&gt;
                &lt;input type="password" name="real_pass" hidden value="<?php echo $pa
ssword; ?&gt;" &gt;&lt;/td&gt;&lt;/tr&gt;
        &lt;tr&gt;&lt;td&gt;New Password&lt;/td&gt;
            &lt;td&gt;&lt;input type="password" class="form-
control" name="password" value="" placeholder="Leave blank if you do not wish to cha
nge password"&gt;&lt;/td&gt;&lt;/tr&gt;
        &lt;tr&gt;&lt;td&gt;Confirm New Password&lt;/td&gt;
            &lt;td&gt;&lt;input type="password" class="form-
control" name="C_password" value="" placeholder="Leave blank if you do not wish to c
hange password"&gt;&lt;/td&gt;&lt;/tr&gt;
        &lt;tr&gt;&lt;td&gt;First Name&lt;/td&gt;
            &lt;td&gt;&lt;input type="text" class="form-
control" name="FirstName" value="<?php echo $FName; ?&gt;"&gt;&lt;/td&gt;&lt;/tr&gt;
        &lt;tr&gt;&lt;td&gt;Last Name&lt;/td&gt;
            &lt;td&gt;&lt;input type="text" name="LastName" class="form-
control" value="<?php echo $LName; ?&gt;"&gt;&lt;/td&gt;&lt;/tr&gt;
        &lt;tr&gt;&lt;td&gt;IC Number&lt;/td&gt;
            &lt;td&gt;&lt;input type="number" name="IC" class="form-
control disabled" value="<?php echo $IC; ?&gt;" hidden&gt;
                &lt;?php echo "&lt;input class='form-
control' value='$IC' disabled&gt;" ?&gt; &lt;/td&gt;&lt;/tr&gt;
        &lt;tr&gt;&lt;td&gt;Position&lt;/td&gt;
            &lt;td&gt;&lt;input type="text" name="Position" class="form-
control disabled" value="<?php echo $position; ?&gt;" hidden&gt;
                &lt;?php echo "&lt;input class='form-
control' value='$position' disabled&gt; " ?&gt;
            &lt;/td&gt;&lt;/tr&gt;
    ...continue...</pre
```

```

<tr><td>Belonging Agency</td>
    <td><select name="Agency" class="form-control">
        <option value="" disabled hidden> Your Company</option>
        <option value="RT" <?php
            if ($Agency == "RT") {echo "selected";
        } ?>>Roystar Travel and Tours Sdn Bhd</option>
        <option value="HT" <?php
            if ($Agency == "HT") {echo "selected";
        } ?>>Hong Thai Travel and Tours Sdn Bhd </option>
        <option value="MWH" <?php
            if ($Agency == "MWH") {echo "selected";
        } ?>>Pelancongan Mewah Sdn Bhd</option>
        <option value="BTT" <?php
            if ($Agency == "BTT") {echo "selected";
        } ?>>BTT Travel Services Sdn Bhd</option>
    </select></td></tr>
<tr><td colspan="2" class="text-center mx-auto">
    <input type="submit" value="Update" class="btn btn-lg btn-primary">
</td></tr>
</table>
</form>

```

```

<?php
if ($_SERVER[ 'REQUEST_METHOD' ]=="POST") {
include_once("../config.php");
$real_shapass=mysqli_real_escape_string($db,$_POST[ 'real_pass']);
$chk_password=sha1(mysqli_real_escape_string($db,$_POST[ 'chk_password']));

$password=mysqli_real_escape_string($db,$_POST[ 'password']);
$C_password=mysqli_real_escape_string($db,$_POST[ 'C_password']);
$securepass=sha1($password);
$username=mysqli_real_escape_string($db,$_POST[ 'username']);
$FirstName=mysqli_real_escape_string($db,$_POST[ 'FirstName']);
$LastName=mysqli_real_escape_string($db,$_POST[ 'LastName']);
$IC_num=mysqli_real_escape_string($db,$_POST[ 'IC']);
$Position=mysqli_real_escape_string($db,$_POST[ 'Position']);
$Agency=mysqli_real_escape_string($db,$_POST[ 'Agency']);
if (empty($password) && empty($C_password)) {
    $securepass=$real_shapass;
}
if ($real_shapass == $chk_password && $password==$C_password) {
    $sql="UPDATE Employee SET password='$securepass',FName='$FirstName',LName='$LastName',IC_num='$IC_num',Position='$Position',Agency='$Agency' WHERE username='$username'";
    if (mysqli_query($db,$sql)) {echo("<script> alert('Edit Sucess!');window.history.go(-1);</script>");}
} elseif ($real_shapass !== $chk_password) {echo "Current Password Wrong! ";
} elseif ($password == $C_password) {echo "New Password wrong";}
}
?>

```

After the user triggered the Profile section, the user account information will be displayed in the table.

The table will show the username, user's First Name, user's last name, IC number, position and his belonging agency. In order to update their profile, user must input the current password for verify purposes. Besides, if the user wishes to change their password, they also can change it through this page. Conversely, If user do not wish to change the password, they can simply leave it empty to not change it.

“edit_employee_profile.php” will process the data and execute SQL UPDATE command to the database to update the user profile in database where identifies by the username of the account. User will be prompted “Edit Success” and redirect back to previous page if the sql command executes successfully.

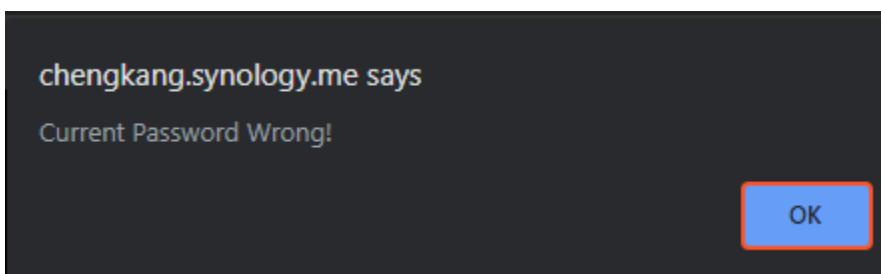
Smart Holidays Home Trips About Us Dashboard Log out

Welcome! Manager, cheng.kang

User Name	cheng.kang
Current Password	<input type="text"/>
New Password	Leave blank if you do not wish to change password
Confirm New Password	Leave blank if you do not wish to change password
First Name	Ching
Last Name	Cheng Kang
IC Number	990503015307
Position	Manager
Belonging Agency	Roystar Travel and Tours Sdn Bhd

Update

Figure 40 Profile Section



5.4.8. View Feedback

```
<?php
if ($position == "Manager" || $position == "Assistant Manager"){
    echo"<table class='table table-dark table-hover'>
<tr><td>Feedback ID</td><td>Feedback</td>
</tr>";
    $feedbacksql="SELECT * from Feedback";
    $feedbackquery=mysqli_query($db,$feedbacksql);
    while ($feedbackrow=mysqli_fetch_assoc($feedbackquery)) {
        $id=$feedbackrow['Feedback_ID'];
        $data=$feedbackrow['Feedback'];
        echo(" 
<tr><td>$id</td><td>$data</td></tr>");
    }&else {
        include("php_common/nav.php");
        notpremit();
    }
?>
```

In this organisation, only manager and assistant manager can only view the feedback received. Hence, the button for unhide the feedback section will only be available for manager and assistant manager where it has been [discuss earlier](#). Inside this section, we will check the position of the user once again for the security purposed, because user still can display the section by manipulate from the client side.

Inside this function, a table will be shown to the user where it will list down the id of the feedback and the feedback itself. The feedback cannot be deleted to avoid the customer negative feedback get deleted and not submitted to the top management.

Profile	Feedback ID	Feedback
Managed Trip	1	Upload profile pic maybe
Update Trip	2	User login profile pic
Delete Trip	3	Query all the trip and show it on itmerary
Add Trip	4	Simple Data validation
Add Tour	5	Jsgcjj
Update Tour		
Delete Tour		
Feedback		
Register Employee		

Figure 41 Feedback page in the manager view

5.5. Others

5.5.1. Feedback

In order to maintain the functionality and trustworthiness of the system, a feedback system must be created. This is because the user can add a feedback to the system and the developer can add the functionality accordingly. Plus, the feedback system is totally anonymous to avoid user to feel insecure to send a feedback.

```
<textarea name="Feedback" rows="10" class="form-control" placeholder="Enter your Feedback here :3"></textarea>
<input class="btn btn-primary mx-auto text-center mt-3" type="submit" value="submit"></div>
```

```
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $feedback = mysqli_real_escape_string($db, $_POST['Feedback']);
    $sql = "INSERT INTO Feedback (feedback) VALUES ('$feedback')";
    if (mysqli_query($db, $sql)) {
        header("Location:jump/Feedback.html");
    } else {
        echo "Not really functioning well \nBelow are the error code\n" . mysqli_error($db);
    }
}
```

Above code will collect the feedback and execute SQL INSERT command to insert the data to database where only manager and assistant manager can view.

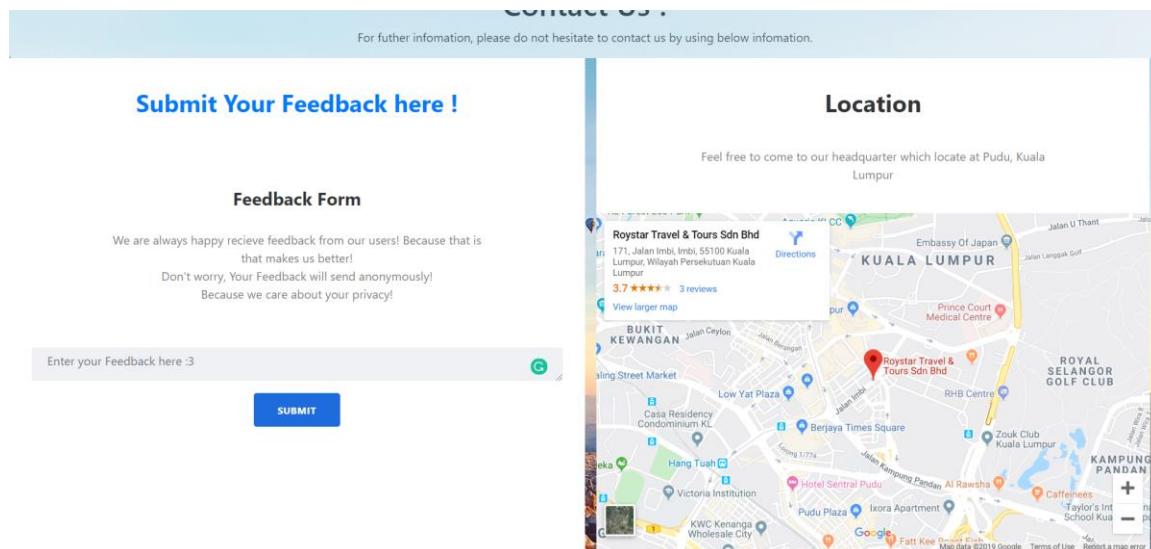


Figure 42 Feedback Form

5.5.2. Data Validation

In order to maintain the format of the input data from the user, a data validation system must be implemented in this system. In this system, RegExp(Regular Expression) are chosen to validate the data from user. Regular expression is text string for telling a string pattern. (RegexBuddy, 2016).

There is one php function call as preg_match() where it will check whether the string matches the regexp statement return a Boolean value to verify if the string matches where we discuss [earlier](#).

```
/^ [a-zA-Z ]*$/
```

Above RegExp will search for the pattern “a → z”, “A-Z” and “ ”. This string will match the pattern if it is all alphabet and space. This regExp is used to validate the user’s username, First Name, Last name where because this will be only valid pattern for this few input.

```
"/^(?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{4,16}$/i
```

Above RegExp will accept for all special character, search and must include “a-z”, search and must include “A-Z” where the total amount of the string should between 4 to 6 character.

This RegExp is used to make sure the user set the password strong enough to avoid the loss of data in the event of database compromised or the attacker were trying to brute-force the login with common dictionary

```
/^(+?6?01)[0-46-9]-*[0-9]{7,8}$/
```

Above RegExp will make sure the first string will be either be “6” or “01” consecutively, the next number will be accepting all the number except for the number of “5” according to the newest standard from Malaysian Communication and Multimedia Commission (MCMC). This is because 015 prefix is only used by data only broadband service or Telephony Service over IP. In which, this will not be a contactable phone number in Malaysia (Collective, 2019). Consecutively, regexp will accept 0 until 9 in for the next 7 or 8 number.

This RegExp is used to determine the validity of the users' phone number in Malaysia.

```
/(([0-9]{2})([0-9]|1[0-2])([0-9]|[12][0-9]|3[01]))-([0-9]{2})-([0-9]{4})/
```

Above RegExp will allowed first two number choose freely from 0 until 9 since it represented the years of born. Next, If the third number is 0, then the next number will only choose freely among “0” to “9”, if the third number is 1, then the next number will be only 0 until 2 since this is represent the month of birth. After that, If the fifth number is 0, the next number will only be logical if its “1” to “9”, If the fifth number is 1 or 2, the next number can choose freely between “0” until “9”, if the fifth number is 3, then the next number will only be acceptable if the sixth number is 0 or 1.

Accordingly, the next string must be separate by “-”, and the next 2 number will be chosen freely from 0 until 9 where it represents the place of born. After that, Next string must be separate by “-” where user can enter freely with 4 digit of number where it's from 0 until 9 .

This RegExp is used to determine if the employee enter the Valid Identity Card Number in Malaysia.

6. Limitation

6.1. Time Constraint

Due to the time constraint of this assignment, there is a lot of wanted feature still not yet add to the system. For example, user cannot upload their own personal profile picture to the system where the employee can review and ensure the customer are matching up with his face.

6.2. Data Validation and filter

In purpose system, employee can add a new trip that depart on the last year which make the trip not valid and it may cause the business lost. In Addition to that, user also may able to book a trip that already departed where it will cause misunderstanding between the company and the user.

7. User Manual

This web application is hosted in my personal web server which it is available to access from everywhere by using port forwarding and DDNS system. The URL for this website is <http://chengkang.synology.me/test> where user will be redirect to <http://chengkang.synology.me/test/php-assignment/index.php>

7.1. User account

In this user manual, we will be using one account to demonstrate the customer side functionality. As for Employee side, we will be using manager account to demonstrate the functionality in employee segment since the manager account is having higher permission to use all of functionality.

7.1.1. Customer

Username	Password
Customer	Customer
any account name in database	abc123

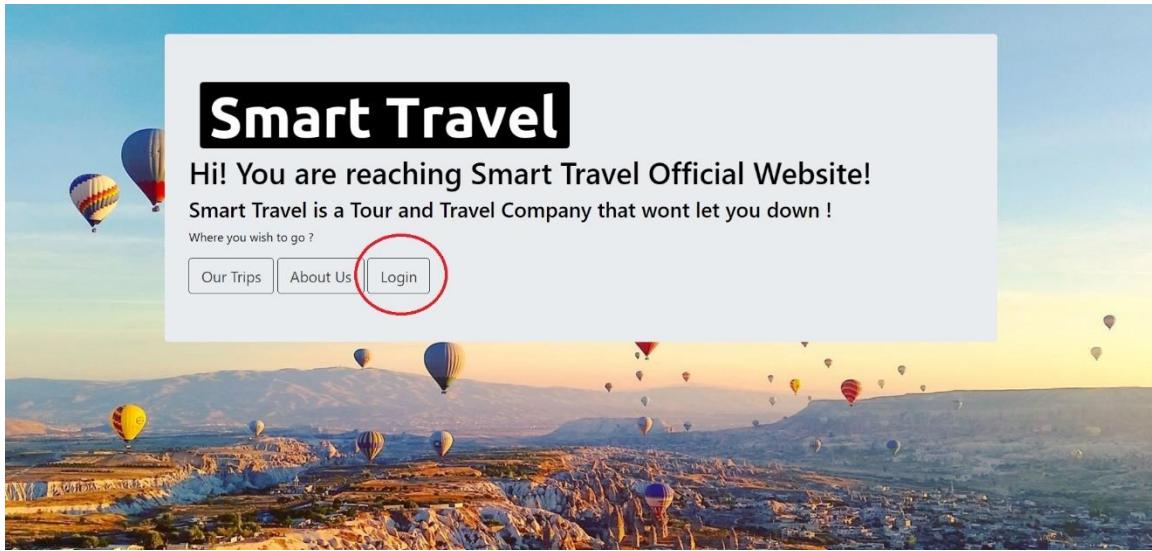
7.1.2. Employee

Username	Password	Position
cheng.kang	admin	Manager
jmoen	admin	Tour Manager of Asia
ljones	admin	Tour Manager of Europe
nicholaus06	admin	Tour Manager of Exotic
nopremission	asdASD123	Junior Sales

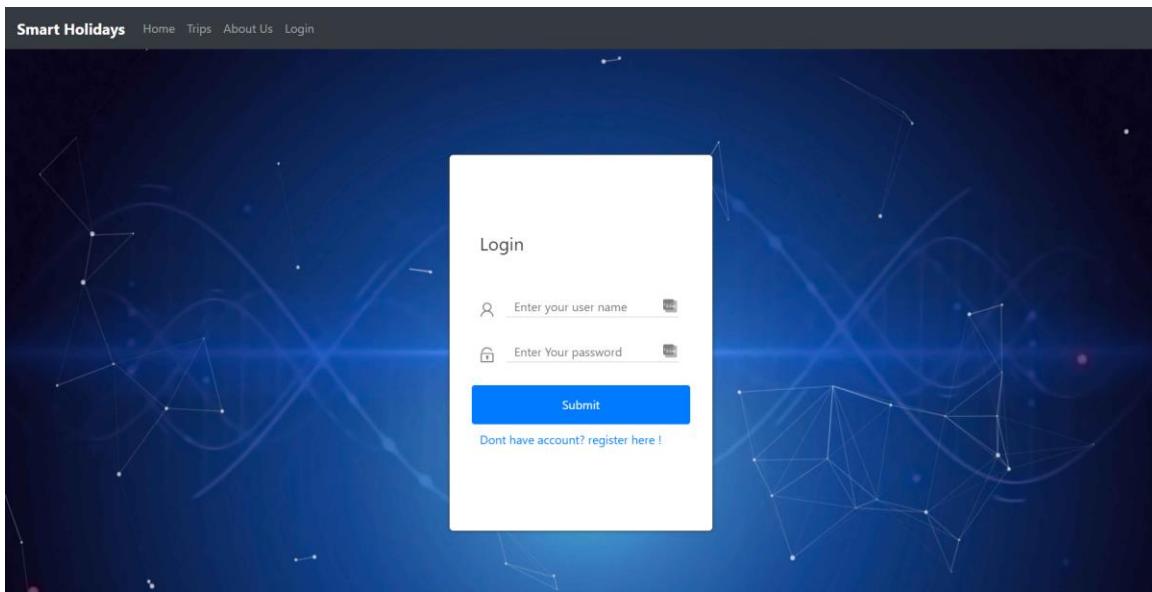
7.2.Customer

7.2.1.Registration

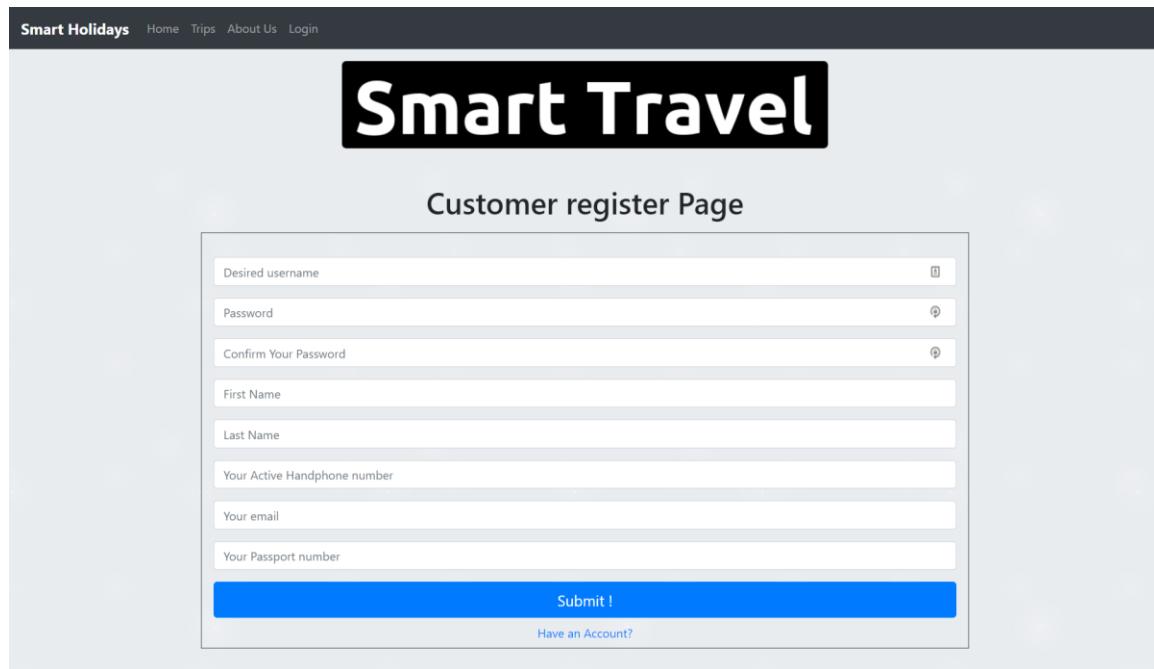
Step1 → Start up the webpage by typing “<https://chengkang.synology.me/test/> ” and click login



Step 2→ Click “Dont have account? register here !”



Step 3 → Fill up the necessary information in correct format



The screenshot shows the 'Customer register Page' of the Smart Travel website. At the top, there is a navigation bar with links for 'Smart Holidays', 'Home', 'Trips', 'About Us', and 'Login'. Below the navigation bar is a large black header with the text 'Smart Travel' in white. Underneath the header, the page title 'Customer register Page' is displayed. The main content area contains a form with the following fields: 'Desired username', 'Password', 'Confirm Your Password', 'First Name', 'Last Name', 'Your Active Handphone number', 'Your email', and 'Your Passport number'. Below the form is a blue button labeled 'Submit !'. At the bottom right of the form area, there is a link 'Have an Account?'

Data Validation

Input	Requirement	Example
username	Alphabet and space only	chengkang
Password	At least one lower case, one upper case and one special character with the range of 4 until 16	asdASD123
Confirm Password	Same with password	asdASD123
First Name	Alphabet and space only	Ching
Last Name	Alphabet and space only	Cheng Kang
Phone number	Number that start with 6 or 01	60127067777 or 0127067777
Email	String that have @ with .	60127067777 or 0127067777
Passport	No restriction since no standard among the world	-

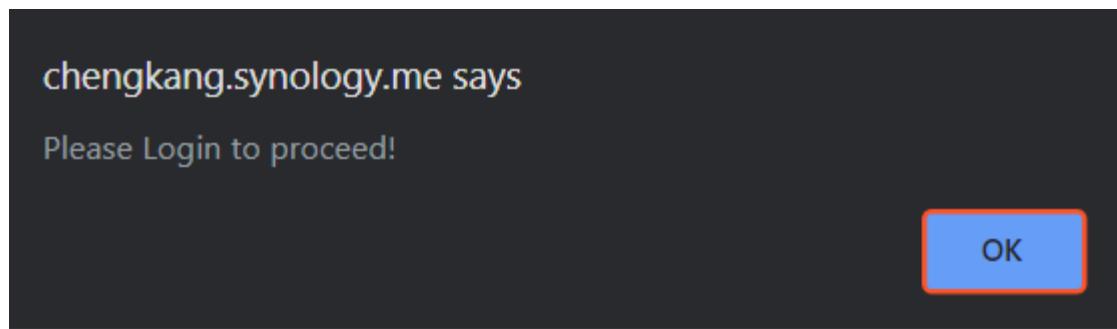
Step 4 → Error will pop up if there is any error format

The screenshot shows the 'Customer register Page' of the Smart Travel website. The page has a dark header with 'Smart Holidays' and navigation links for Home, Trips, About Us, and Login. The main title 'Smart Travel' is in a large, bold, white font on a black background. Below it, the page title 'Customer register Page' is displayed. The registration form consists of several input fields:

- Desired username:** A field containing 'asdasd123'. Below it, an error message says 'Only letters and white space allowedDuplicate Username, please choose another username'.
- Password:** A field containing 'asdasd123'. Below it, an error message says 'Password must be at least 4 characters, no more than 16 characters, and must include at least one upper case letter, one lower case letter, and one numeric digit. Exp:asdASD123'.
- Confirm Your Password:** A field containing 'asdasd123'. Below it, an error message says 'Password not match!'
- First Name:** A field containing 'asdasd123'. Below it, an error message says 'Only letters and white space allowed'.
- Last Name:** A field containing 'asdasd123'. Below it, an error message says 'Only letters and white space allowed'.
- Your Active Handphone number:** A field containing '60'. Below it, an error message says 'Please enter phone number with 60(Exp:60121234567)'.
- Your email:** A field containing 'asdasd123'. Below it, an error message says 'Only letters and white space allowed'.
- Your Passport number:** A field containing 'asdasd123'.

At the bottom of the form is a blue 'Submit !' button. Below the button, a link says 'Have an Account?'. The entire form is enclosed in a light gray border.

Step 5 → Log in to continue



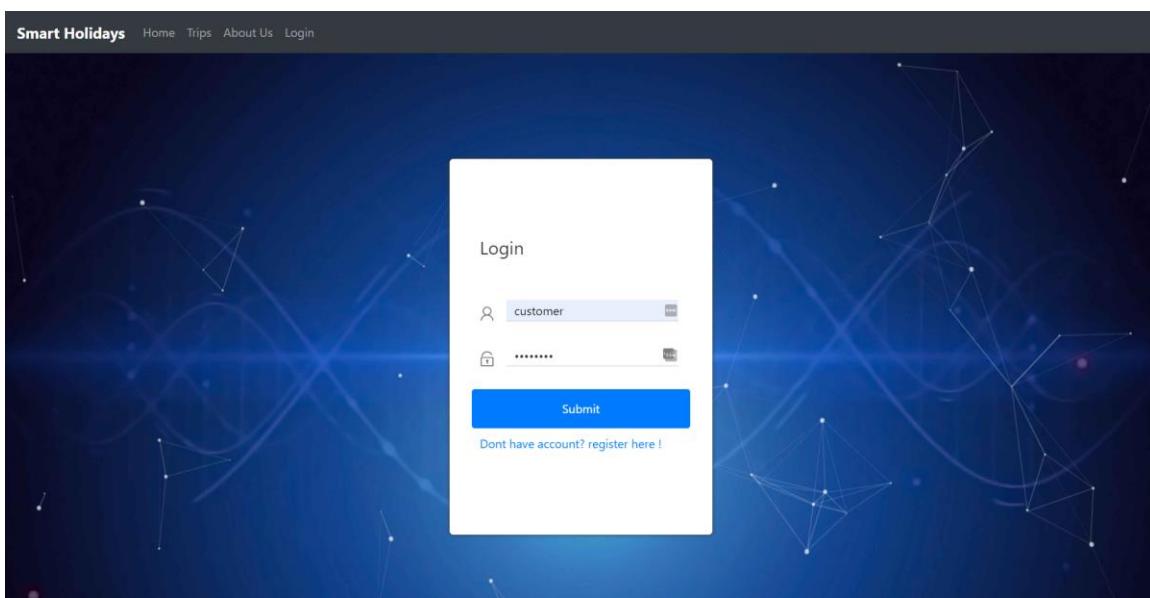
7.2.2.Login

Step 1 and 2 are the same with Registration

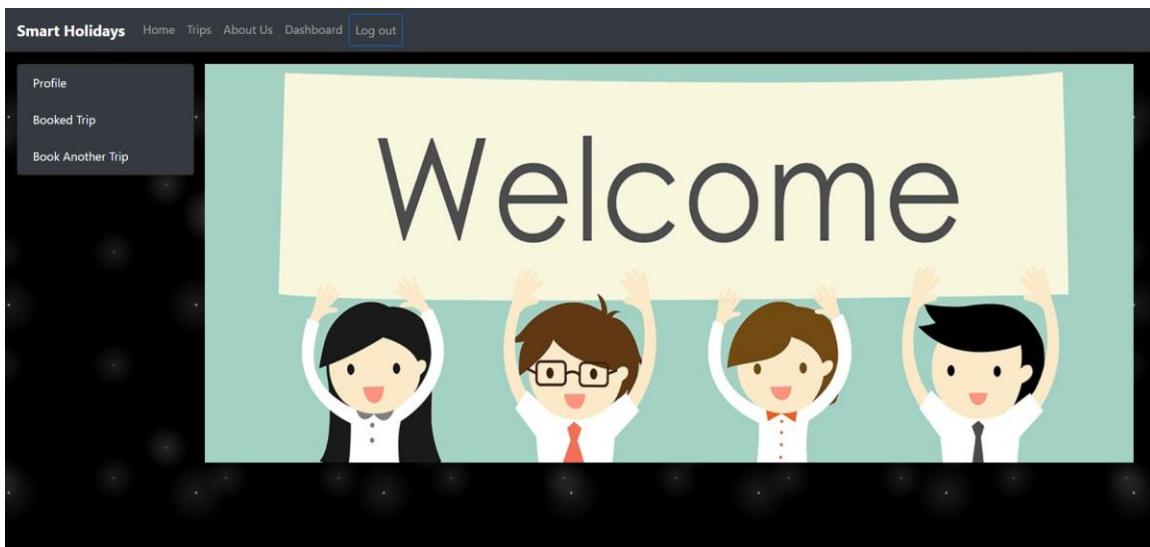
Step 3 → Enter the credential

Username: customer

Password: customer



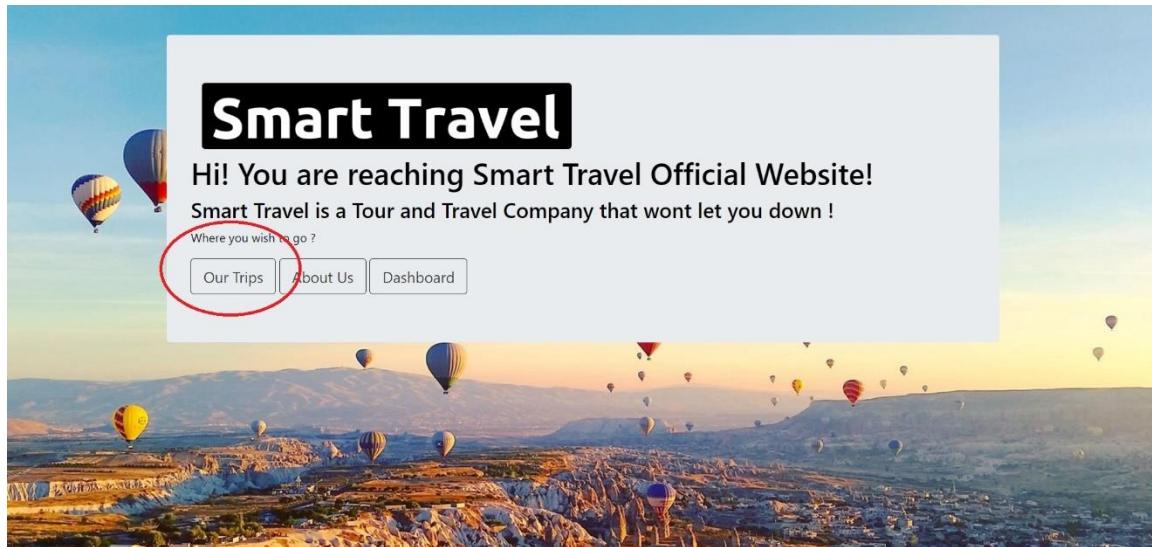
Step 4 → Dashboard appear



7.2.3. Book Trip

Method 1

Step 1 → Under logged stage, open home page and select “Our Trips”



Step 2 → Choose selected trip from “our trips”

A screenshot of the Smart Holidays website. The top navigation bar includes links for "Smart Holidays", "Home", "Trips", "About Us", "Dashboard", and "Log out". Below the navigation is a search bar with fields for "Tour Code" and "Type specific Tour Code", and a "Search" button. The main content area features a section titled "Most Popular Trips!" with three travel packages displayed: "5D4N Bangkok + Hua Hin Tour", "5D4N Bali Dolphin", and "5D4N Hanoi – Halong Bay – Ninh Binh Bich Dong Tour". The third package, "5D4N Hanoi – Halong Bay – Ninh Binh Bich Dong Tour", has a red circle drawn around its "Book now!" button.

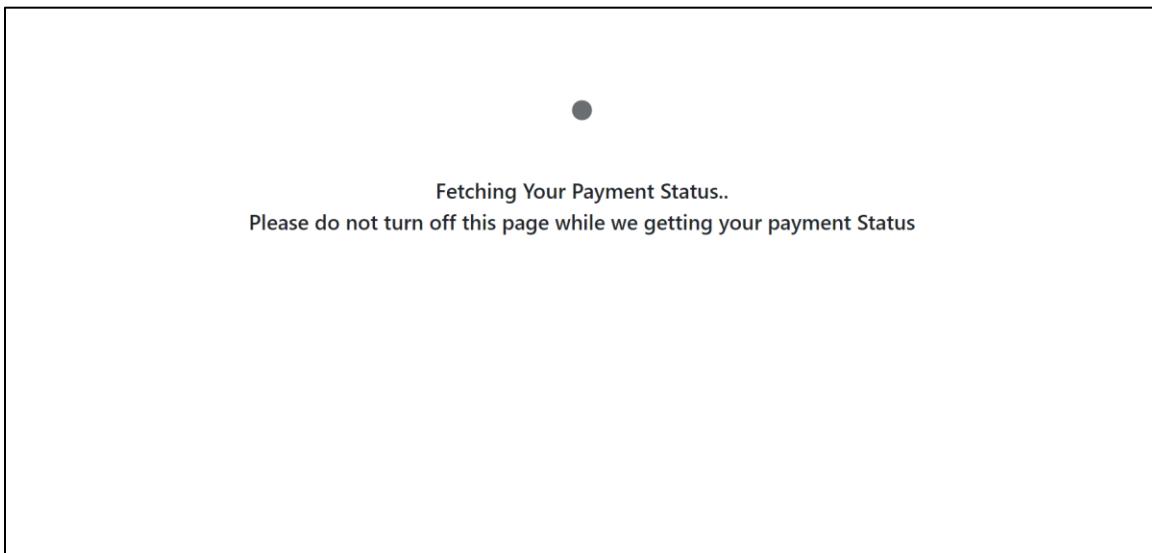
Step 3→ Make sure correct tour is selected (automated select) and click next

The screenshot shows a dark-themed web application for 'Smart Holidays'. At the top, there's a navigation bar with links for Home, Trips, About Us, Dashboard, and Log out. Below the navigation is a modal window titled 'Book Your Trips Now !'. Inside the modal, there are two input fields: 'User Name : customer' and 'Tour Code : 5D4N Hanoi – Halong Bay – Ninh Binh Bich Dong Tour'. A large blue 'Next' button is centered at the bottom of the modal.

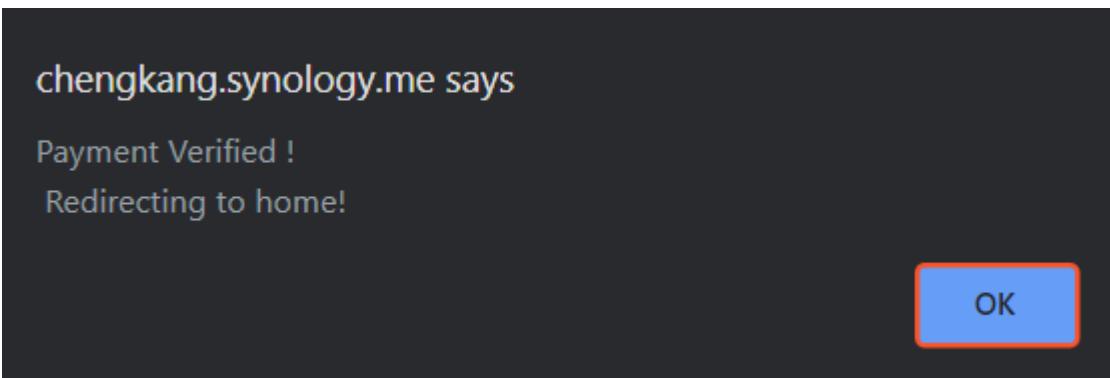
Step 4 → Choose Available trip and click submit

This screenshot shows the same 'Smart Holidays' application after the user has clicked 'Next' in the previous step. The modal now displays a dropdown menu titled 'Choose your Trips' containing several options. One option, '2019-11-28, RM2198/pax, Malaysia Airline', is highlighted with a blue selection bar. Below the dropdown is a blue 'Submit !' button.

Step 5 →Do not close the third party payment page

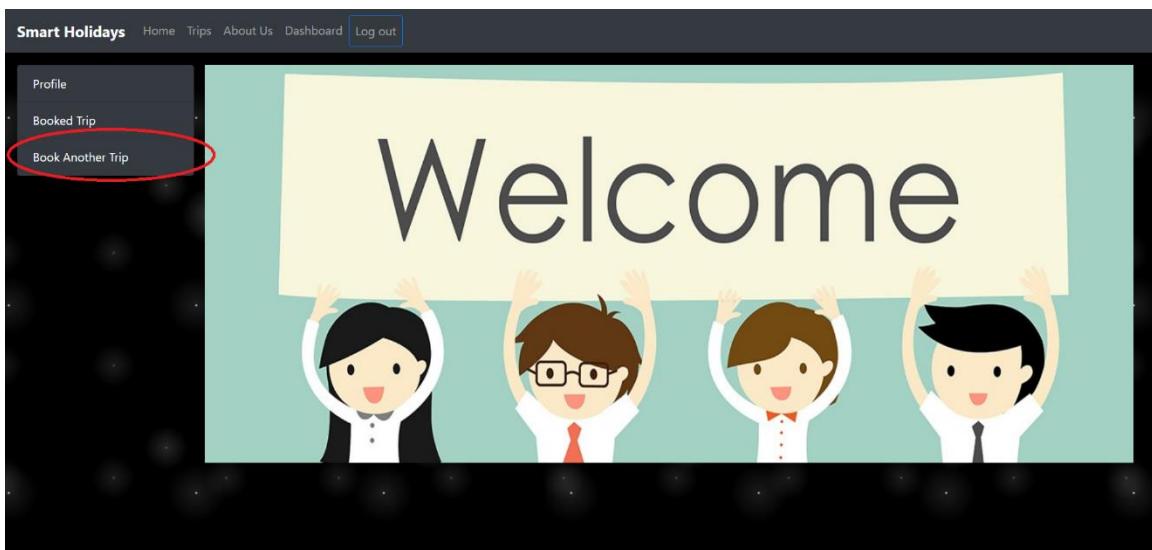


Step 6 → Payment Success prompt

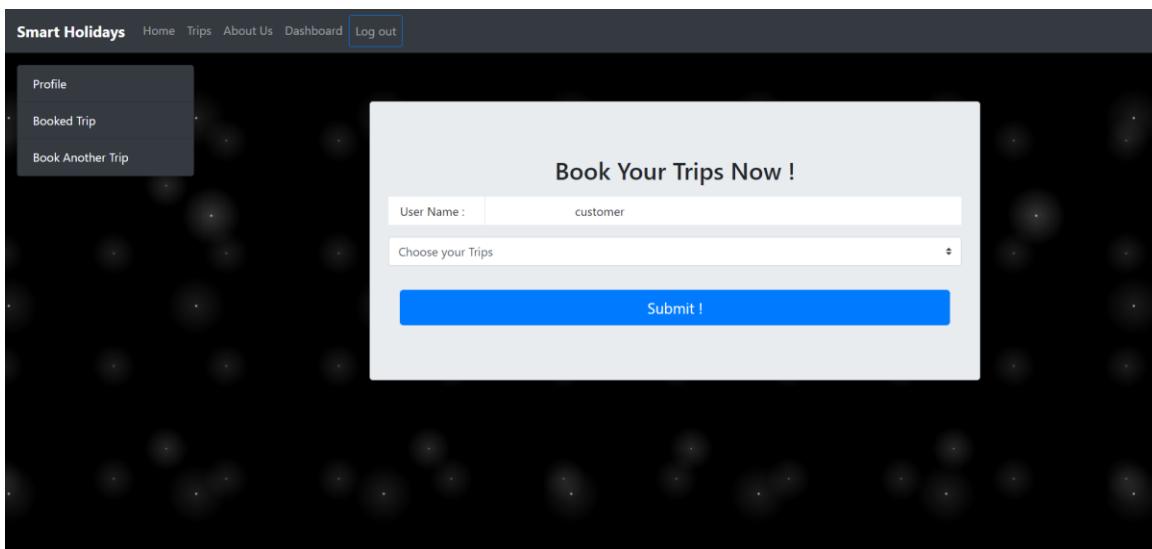


Method 2

Step 1 → Choose Book another trip



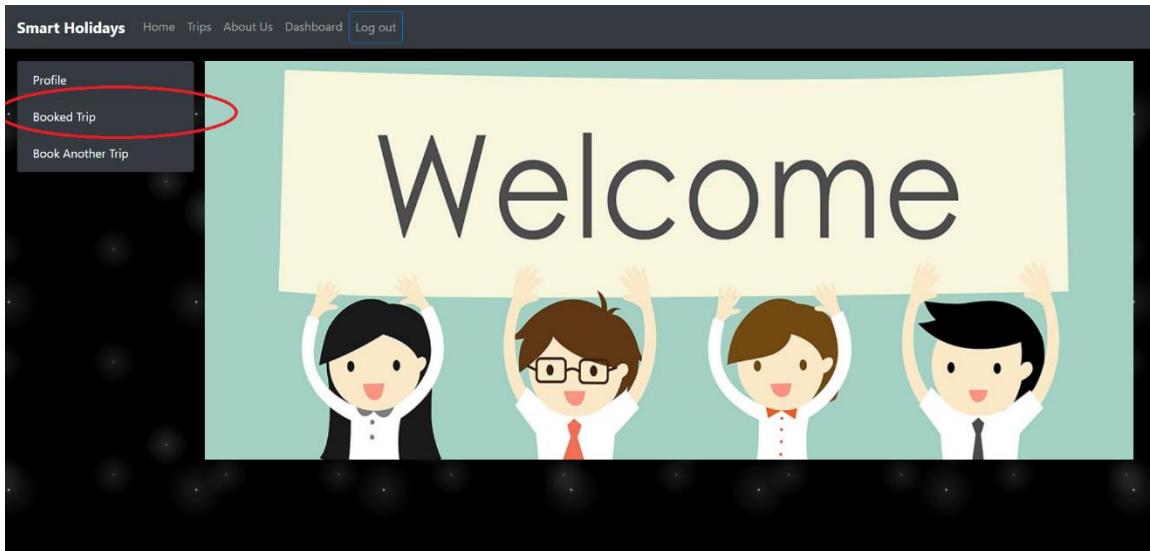
Step 2 → Choose Tour (Manually)



Continue Step can refer to Method 1, Step 4

7.2.4. View trip

Step 1 → Click “Booked Trip”



Step 2 → Get Your booked trip

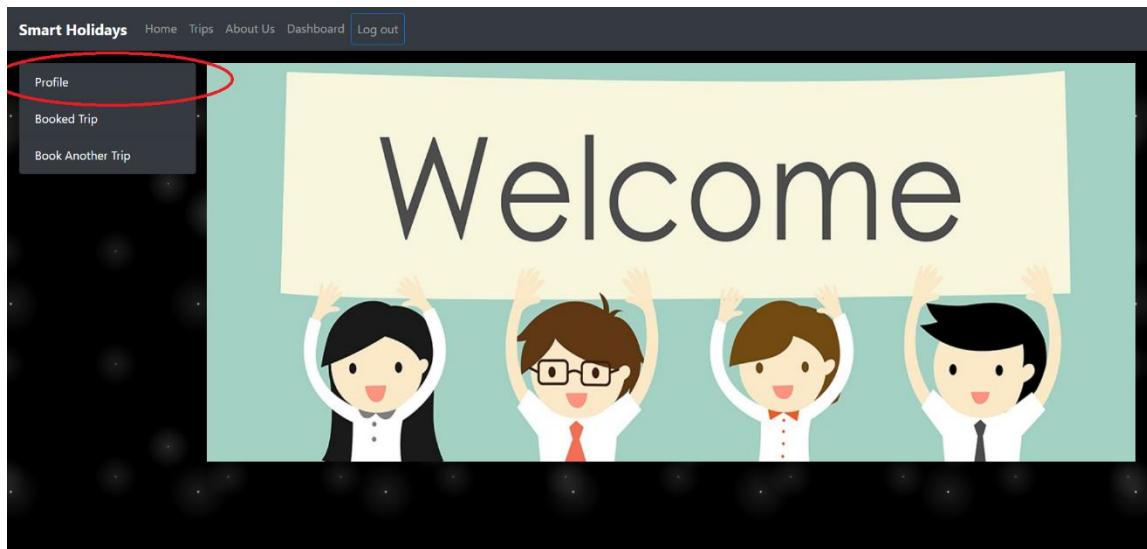
Welcome! , customer

Booking ID	Trip ID	Tour Code	Tour Name	Departure Date	Fee	Itinerary
13	6	SBKK	SD4N Bangkok + Hua Hin Tour	2019-11-22	RM 2298.00	
14	46	14EGSA	14D11N The Best of Austria And Switzerland	2019-12-18	RM 11498.00	
15	16	SHAN	SD4N Hanoi – Halong Bay – Ninh Binh Bich Dong Tour	2019-11-28	RM 2198.00	
16	70	10XII	10D7N Best of Turkey	2019-12-17	RM 5798.00	
19	69	10XII	10D7N Best of Turkey	2019-11-12	RM 5198.00	
21	20	5JBP	SD4N Jakarta– Puncak – Bandung Tour	2019-12-07	RM 1998.00	
24	21	5JBP	SD4N Jakarta– Puncak – Bandung Tour	2019-12-14	RM 1998.00	
25	20	5JBP	SD4N Jakarta– Puncak – Bandung Tour	2019-12-07	RM 1998.00	
26	51	14ESIMF	14D11N The Best of Switzerland - Italy - Monaco - French Riviera	2019-12-12	RM 10998.00	
29	15	SHAN	SD4N Hanoi – Halong Bay – Ninh Binh Bich Dong Tour	2019-11-24	RM 1998.00	

Once booked trip will not be refund, any cancelation must be contact by customer services

7.2.5. Update profile

Step 1 → Choose Profile



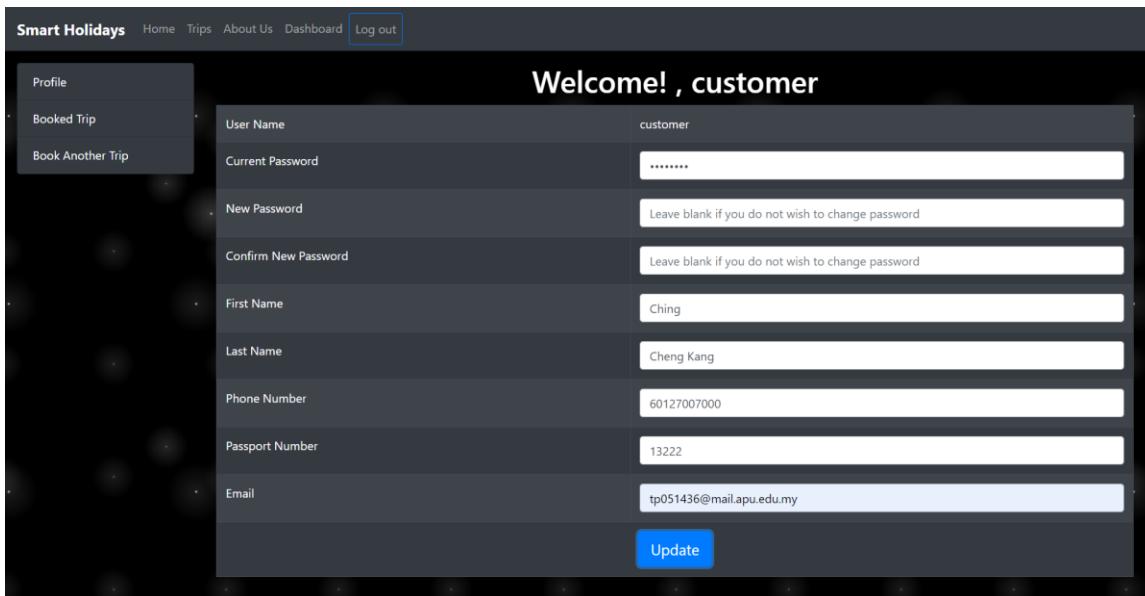
Step 2 → View the Current information

A screenshot of the Smart Holidays profile update form. The left sidebar shows the same three options as the homepage: Profile (highlighted with a red circle), Booked Trip, and Book Another Trip. The main form area has a title "Welcome! , customer". It contains fields for User Name (customer), Current Password (input field), New Password (input field with placeholder "Leave blank if you do not wish to change password"), Confirm New Password (input field with placeholder "Leave blank if you do not wish to change password"), First Name (customer), Last Name (customer), Phone Number (60127067086), Passport Number (1234567890ABC1234567A1234567 <<), and Email (chinwei@chinwei.chinwei). A blue "Update" button is at the bottom right.

Step 3 → Enter the current password and fill up the required information and click update

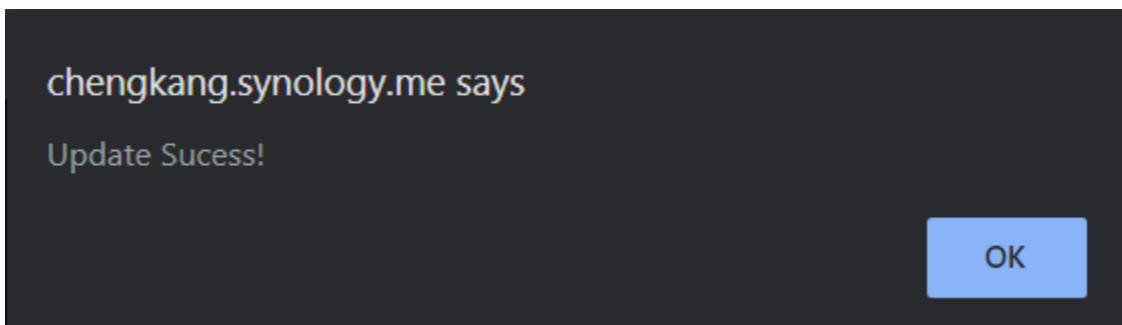
Password: customer

Leave the new password and confirm new password if do not wish to change the password.



A screenshot of the Smart Holidays profile update form. The page title is "Welcome! , customer". On the left, there's a sidebar with "Profile" selected, and "Booked Trip" and "Book Another Trip" options. The main form area contains fields for User Name (customer), Current Password (*****), New Password (Leave blank if you do not wish to change password), Confirm New Password (Leave blank if you do not wish to change password), First Name (Ching), Last Name (Cheng Kang), Phone Number (60127007000), Passport Number (13222), and Email (tp051436@mail.apu.edu.my). A blue "Update" button is at the bottom right.

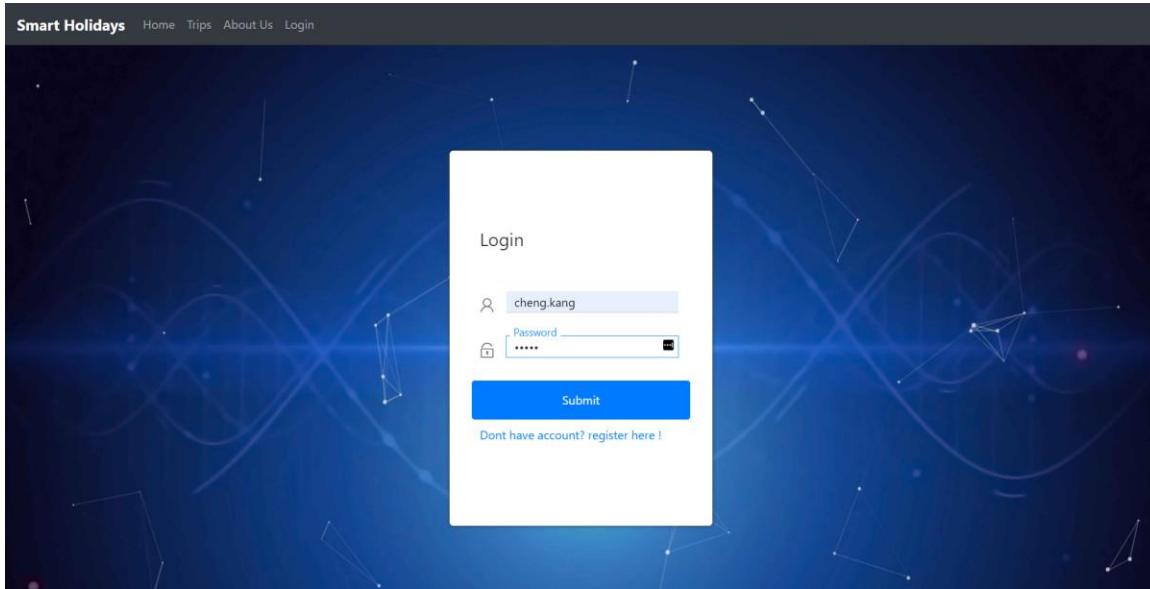
Step 4 → Success Prompt



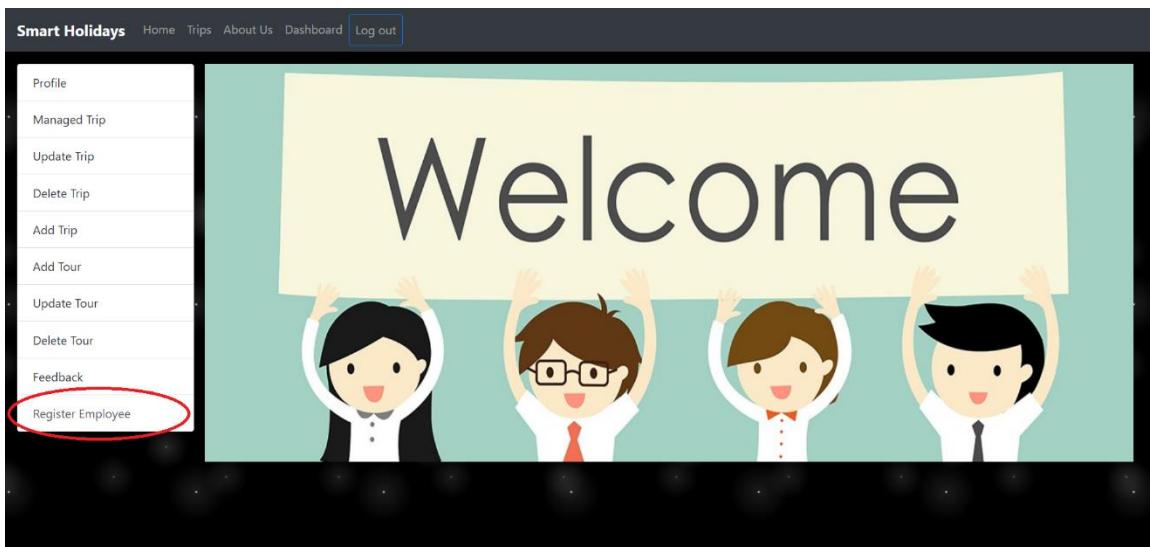
7.3.Employee

7.3.1.Registration

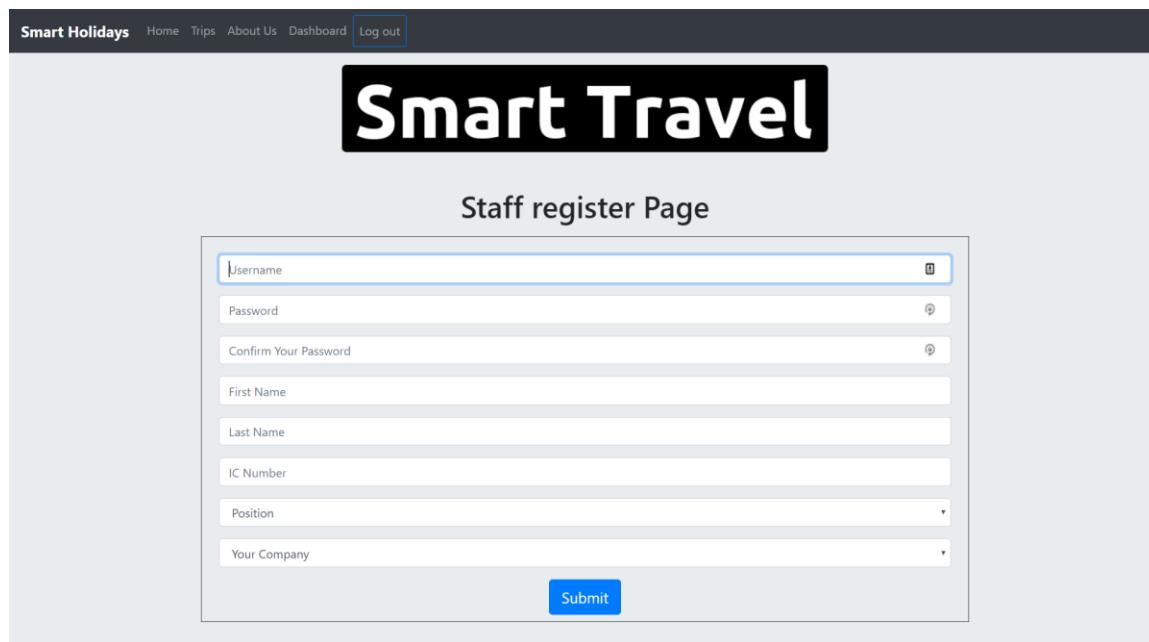
Step 1 → Login with manager or assistant manager



Step 2→ Select “Register Employee”



Step 3 → Fill up the required information

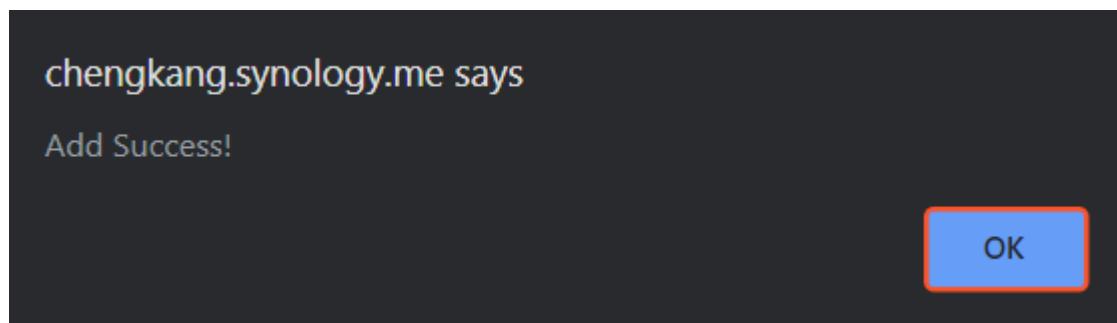


The screenshot shows the 'Staff register Page' of the Smart Travel application. At the top, there is a navigation bar with links for Home, Trips, About Us, Dashboard, and Log out. Below the navigation bar is the 'Smart Travel' logo. The main content area is titled 'Staff register Page'. It contains a form with the following fields: Username, Password, Confirm Your Password, First Name, Last Name, IC Number, Position (a dropdown menu), and Your Company (another dropdown menu). A blue 'Submit' button is located at the bottom right of the form.

Data Validation

Input	Requirement	Example
username	Alphabet and space only	chengkang
Password	At least one lower case, one upper case and one special character with the range of 4 until 16	asdASD123
Confirm Password	Same with password	asdASD123
First Name	Alphabet and space only	Ching
Last Name	Alphabet and space only	Cheng Kang
IC number	yymmdd-xx-xxxx	700529-01-3019
Position	Select from the drop down	Manager, Junior Sales
Company (Agency)	Select from the drop down	Roystar Tour and Travel Sdn Bhd

Step 4 → Success Prompt

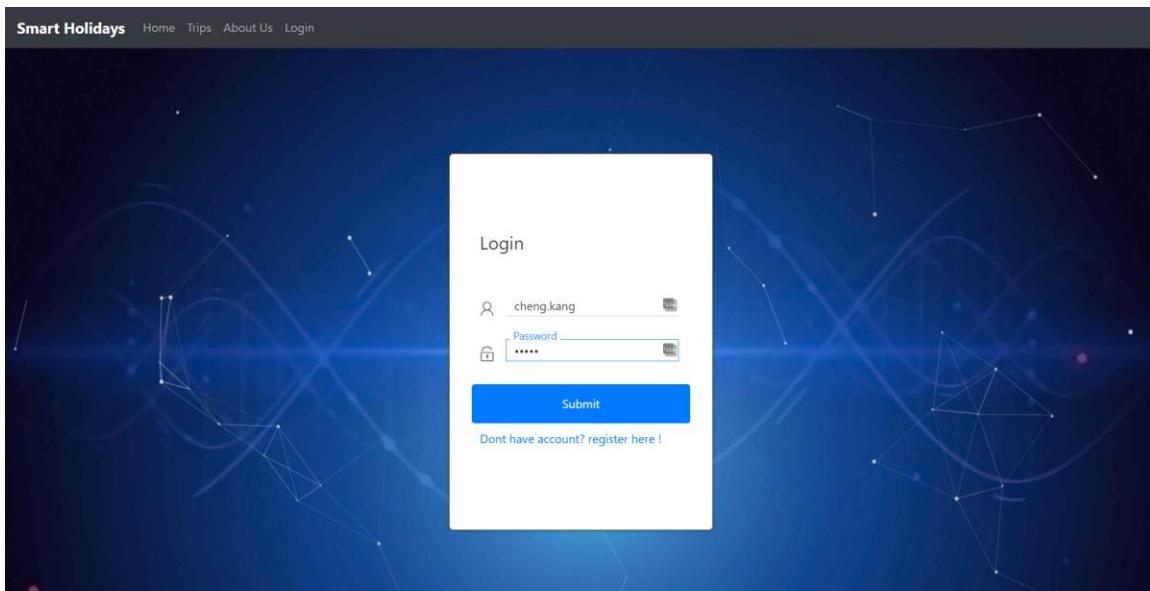


7.3.2.Login

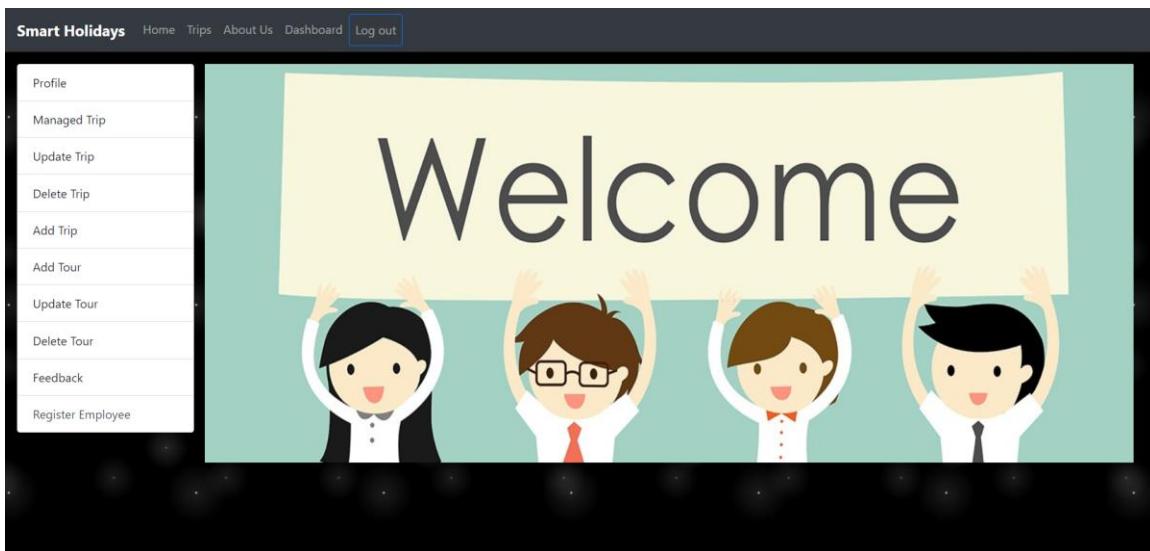
Step 1 → Enter the credential

Username: cheng.kang

Password: admin

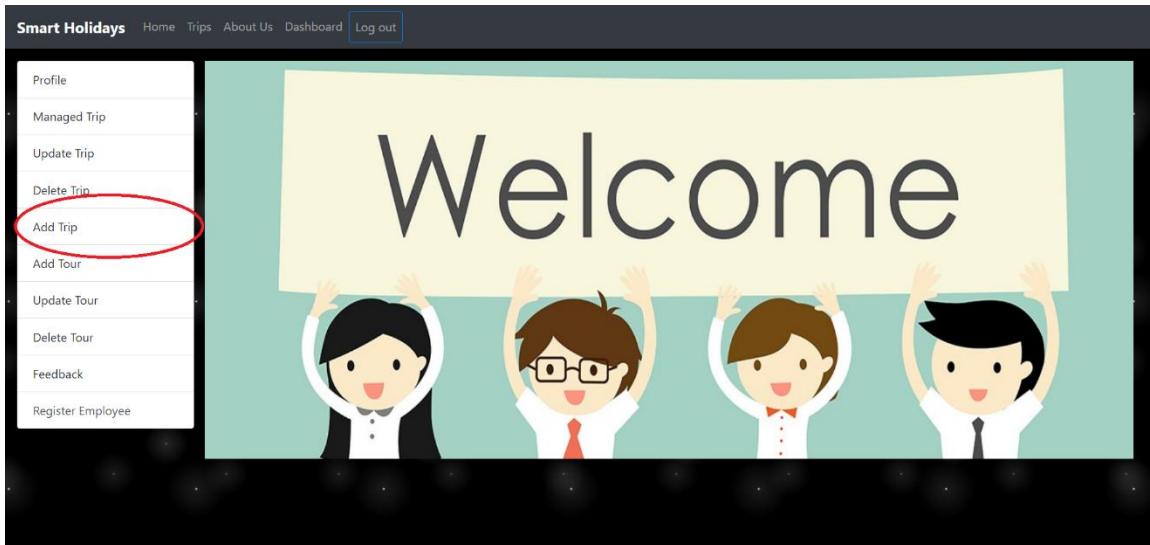


Step 2→ Welcome pages shown

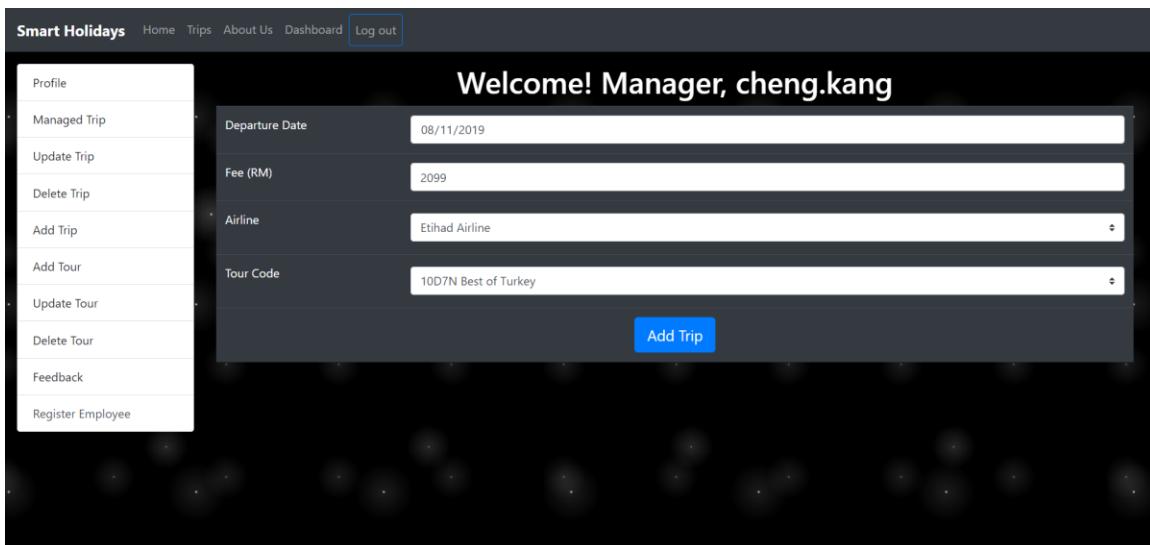


7.3.3. Add Trip

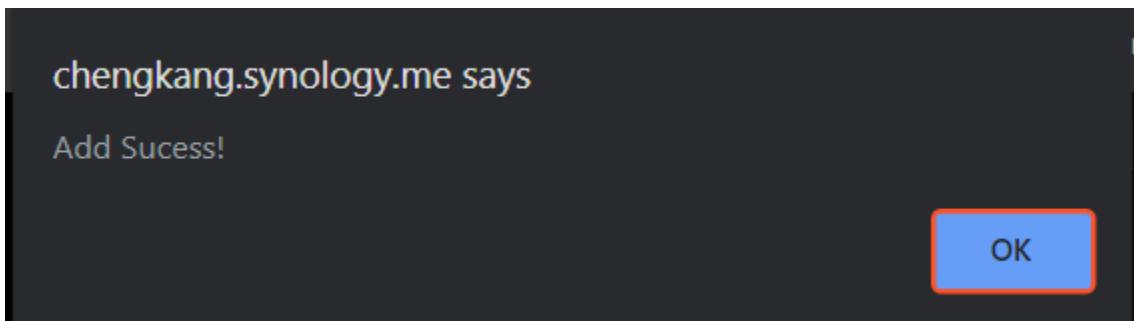
Step 1 → Choose Add trip on the side nav bar



Step 2 → Enter required input and click Add trip

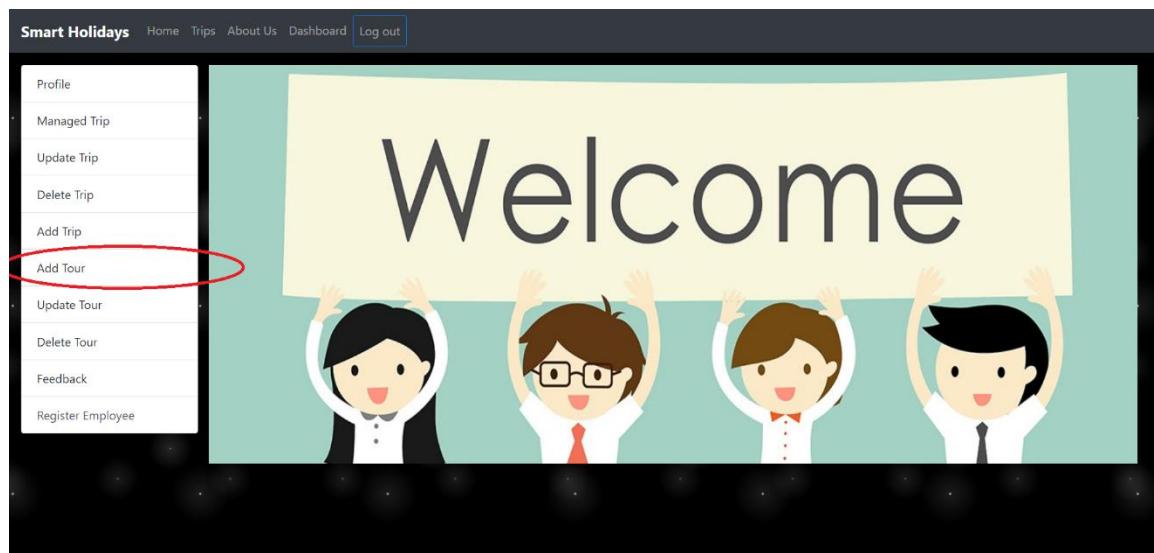


Step 3 → Success prompt



7.3.4. Add Tour

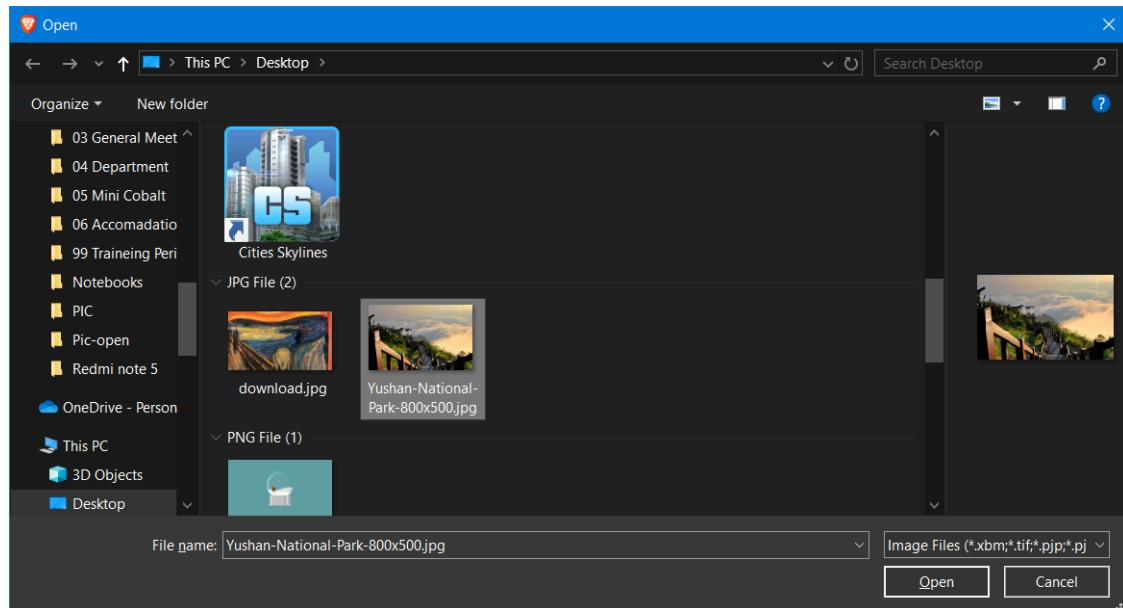
Step 1 → Click “Add tour”



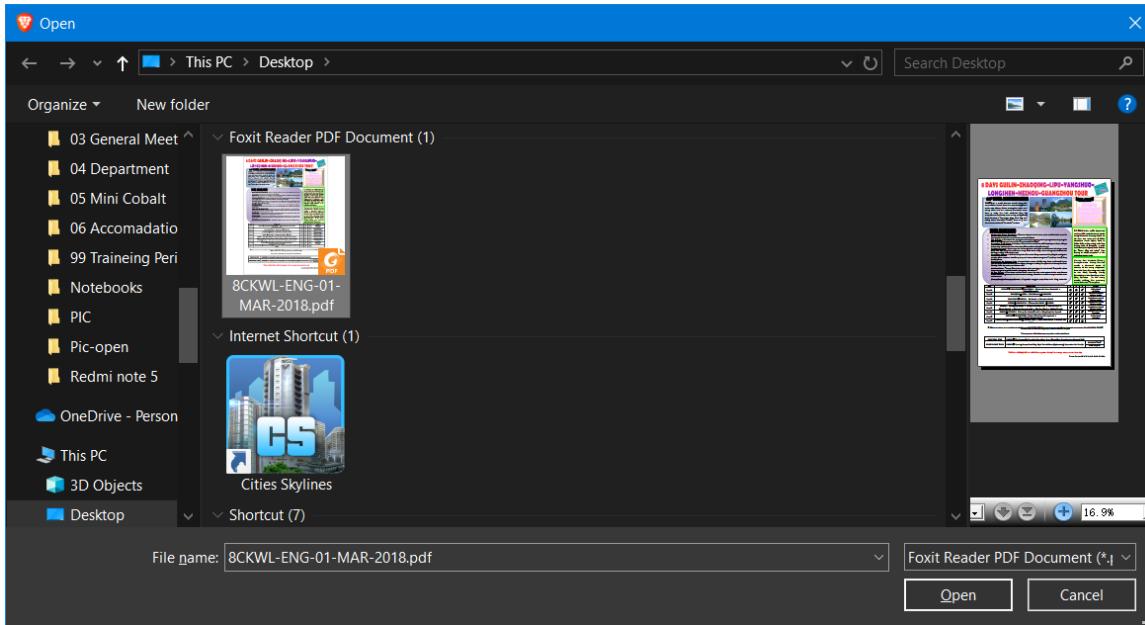
Step 2 → Fill up the required information

Step 2.1 Thumbnail and itinerary upload

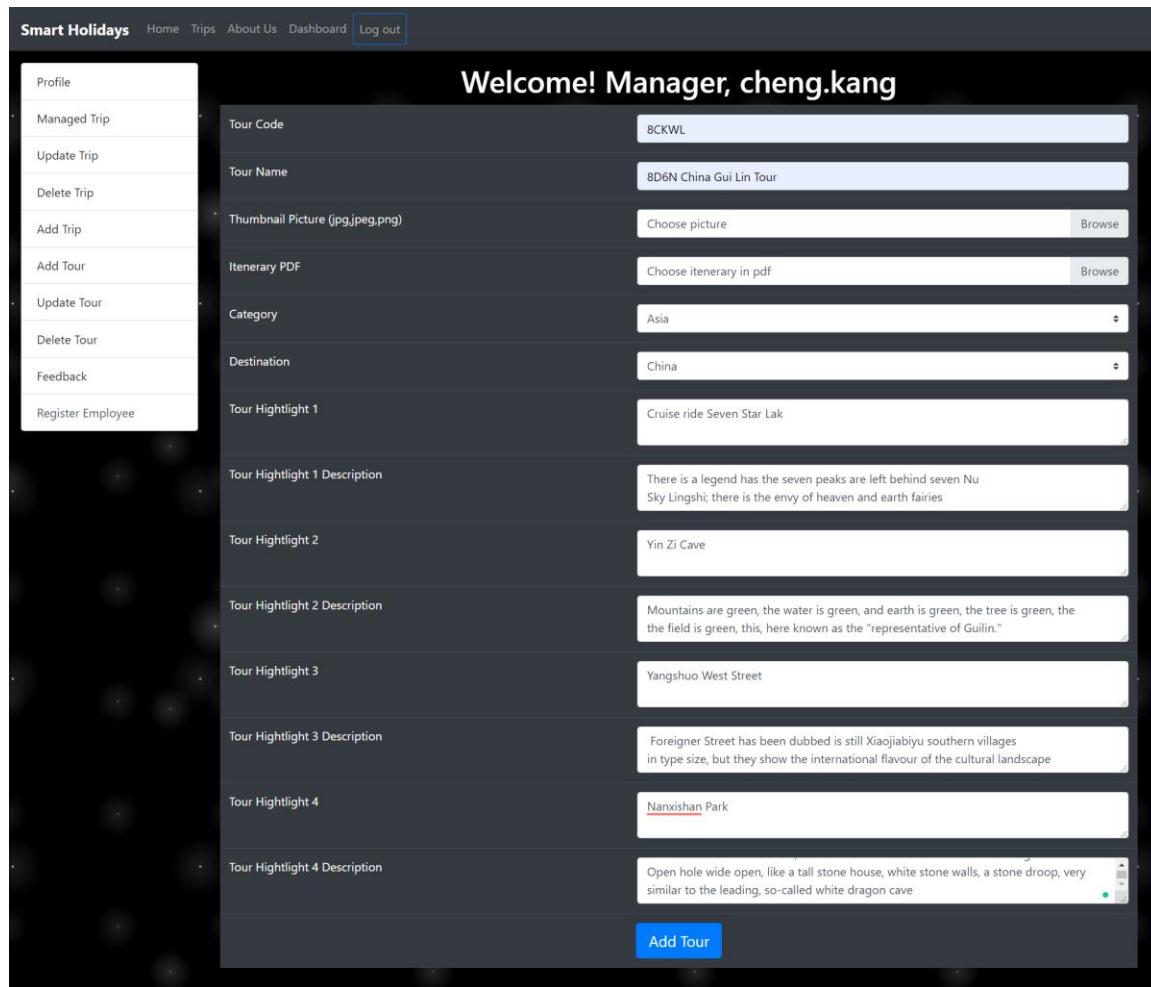
Please choose 16:9 aspect ratio picture upon upload



Step 2.2 Upload itinerary pdf

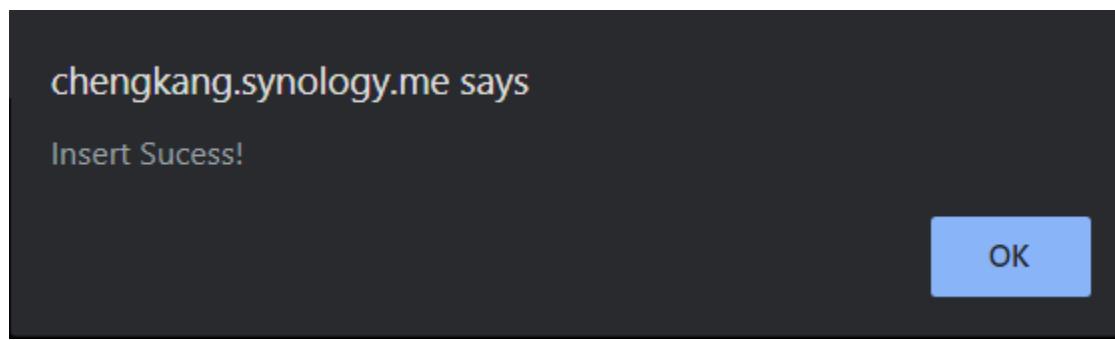


Step 2.3 Fill up all required information and click add tour

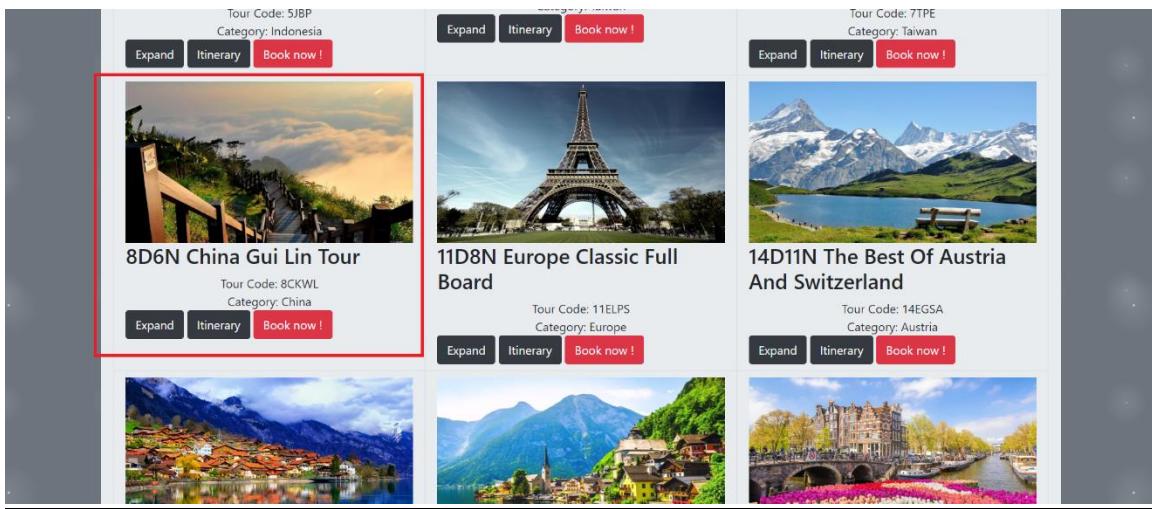


The screenshot shows a user interface for adding a tour. On the left is a sidebar with navigation links: Profile, Managed Trip, Update Trip, Delete Trip, Add Trip, Add Tour, Update Tour, Delete Tour, Feedback, and Register Employee. The main area has a title "Welcome! Manager, cheng.kang". It contains fields for Tour Code (8CKWL), Tour Name (8D6N China Gui Lin Tour), Thumbnail Picture (with a "Choose picture" button and "Browse" link), Itinerary PDF (with a "Choose itinerary in pdf" button and "Browse" link), Category (Asia), Destination (China), and Tour Highlight 1 (Cruise ride Seven Star Lake). Below these are four sections for Tour Highlight Descriptions: 1. Tour Highlight 1 Description (There is a legend has the seven peaks are left behind seven Nu Sky Lingshi; there is the envy of heaven and earth fairies); 2. Tour Highlight 2 Description (Mountains are green, the water is green, and earth is green, the tree is green, the field is green, this, here known as the "representative of Guilin."); 3. Tour Highlight 3 Description (Yangshuo West Street); 4. Tour Highlight 4 Description (Nanxishan Park). At the bottom is a blue "Add Tour" button.

Step 3 → Success prompt

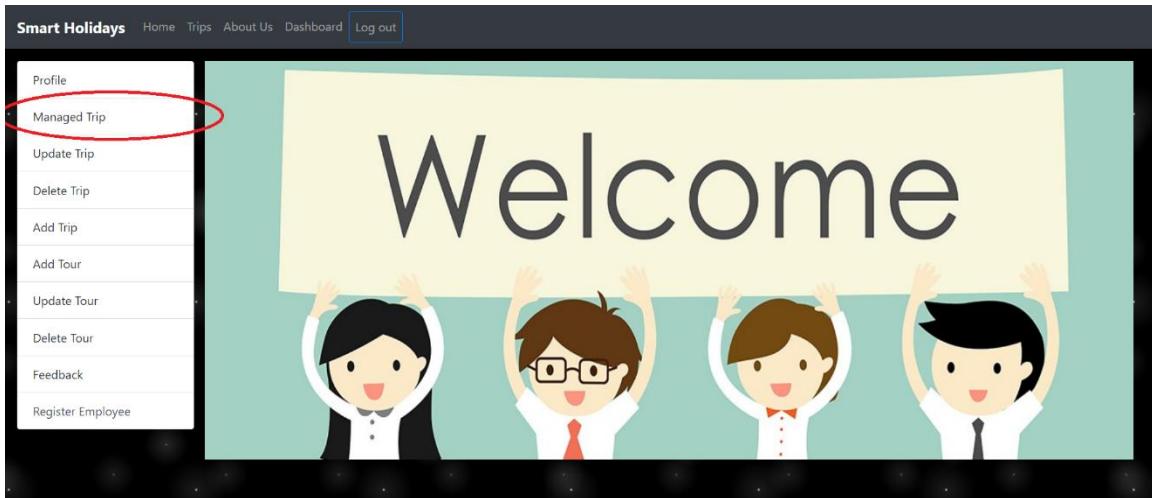


Step 4 → Verify the status of inserted tour



7.3.5. View managed trips

Step 1 → Click “Manged trip”



Step 2 → Managed Trip shows

A screenshot of the "Managed Trip" page from the Smart Holidays application. The top navigation bar and sidebar are identical to the previous screenshot. The main content area displays a table titled "Welcome! Manager, cheng.kang". The table has columns for Customer Name, Customer Phone, Tour Code, Tour Name, Destination, Departure date, Fee, Airline, and Itinerary. There are seven rows of data, each representing a tour. The last column, "Itinerary", contains a small calendar icon.

7.3.6. Update Trip

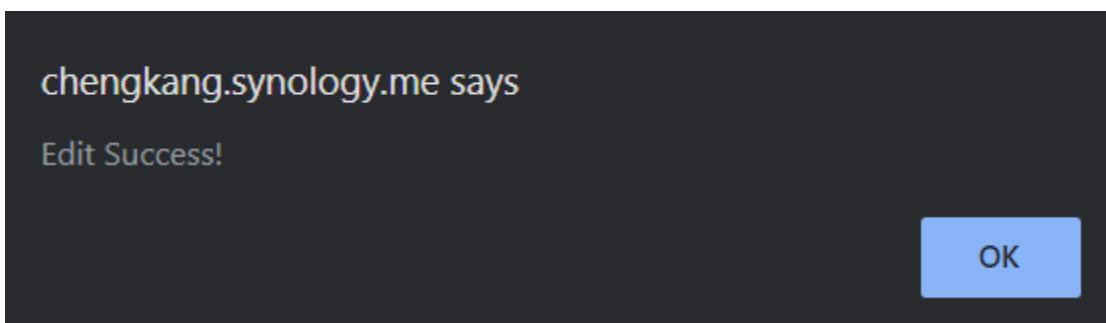
Step 1 → Click “Update Trip”



Step 2 → On Edit the record that need to modify and click update

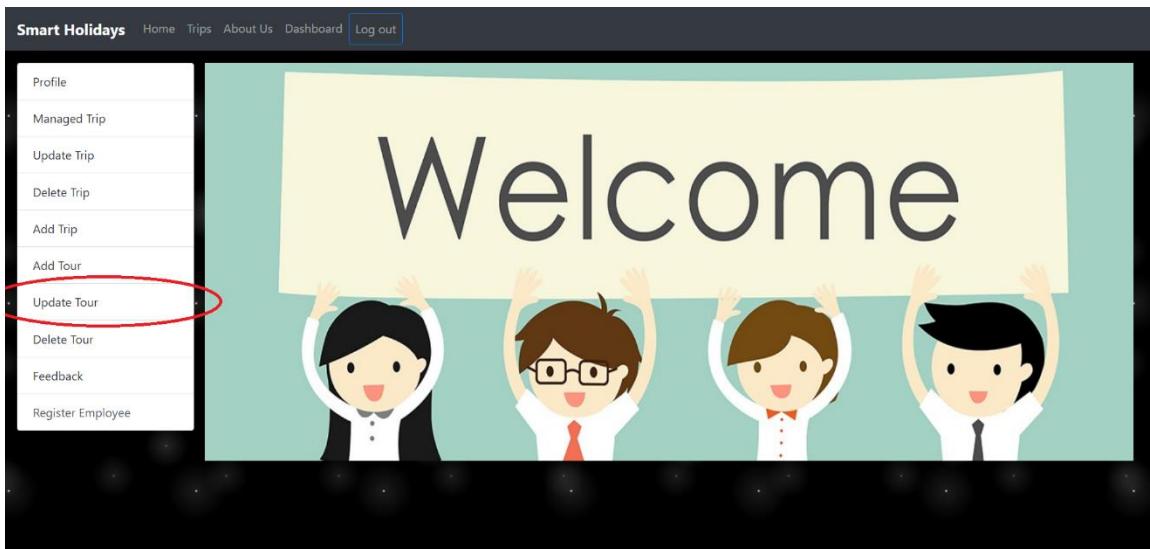
Welcome! Manager, cheng.kang							
	Trip ID	Departure Date	Fee(RM)	Airline	Tour Code	Tour Name	Update
Update Trip	6	22/11/2019	100	Malaysia Airline	5BKK	5D4N Bangkok + Hua Hin Tour	Update
Add Trip	8	24/11/2019	2298	Malindo	5BKK	5D4N Bangkok + Hua Hin Tour	Update
Add Tour	9	28/11/2019	2498	Malindo	5BKK	5D4N Bangkok + Hua Hin Tour	Update
Update Tour	10	07/12/2019	2198	Malaysia Airline	5DPS	5D4N Bali Dolphin	Update
Delete Tour	11	14/12/2019	2198	Malaysia Airline	5DPS	5D4N Bali Dolphin	Update
Feedback	12	09/11/2019	2198	Malaysia Airline	5DPS	5D4N Bali Dolphin	Update
Register Employee	13	16/11/2019	2198	Malaysia Airline	5DPS	5D4N Bali Dolphin	Update
	14	23/11/2019	1998	Malaysia Airline	SHAN	5D4N Hanoi – Halong Bay – Ninh Binh Bich Dong Tour	Update

Step 3 → Success prompt



7.3.7. Update Tour

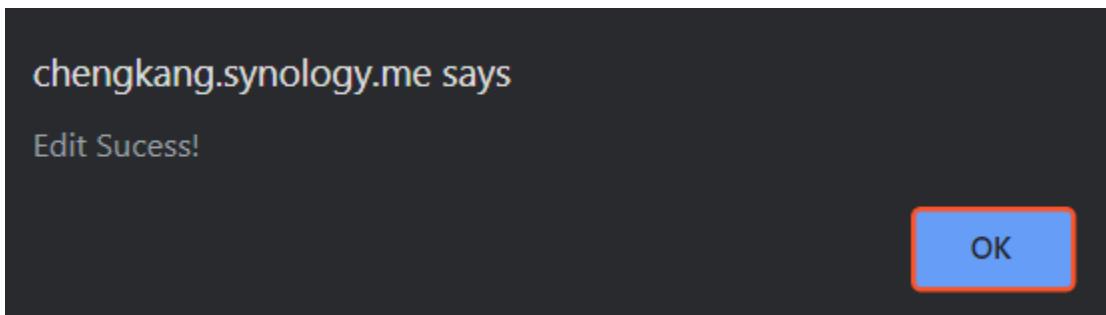
Step 1 → Select update Tour



Step 2 → Update specific record and click update

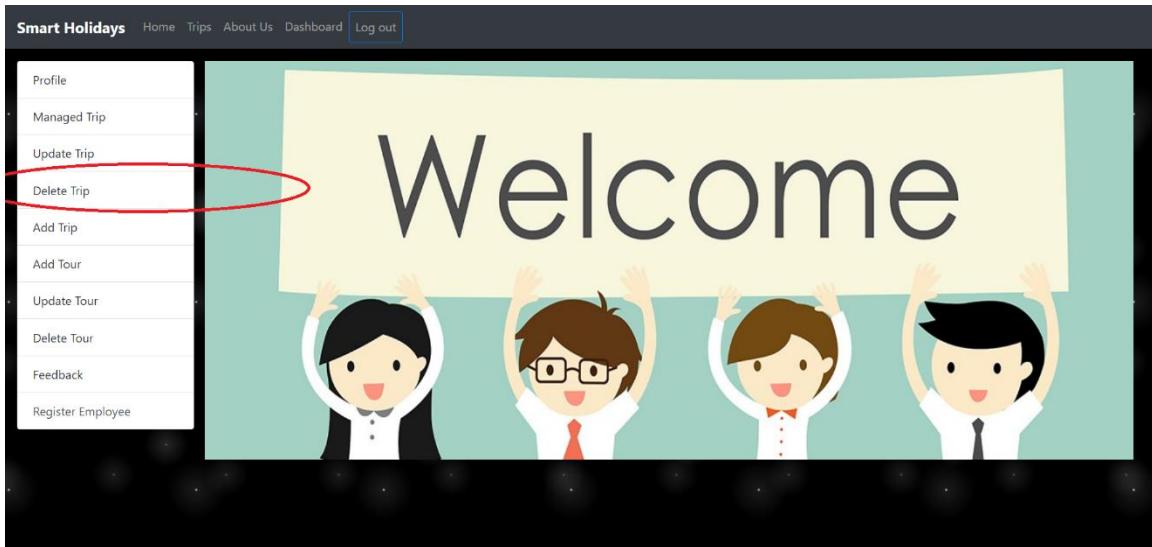
Welcome! Manager, cheng.kang						
Tour Code	Tour Name	Destination	Category	Managed by	Itinerary	Update
10XII	10D7N Best of Turkey	Turkey	Exotic	nicholaus06		<button>Update</button>
11ELPS	11D8N Europe Classic Full Bd	Europe	Europe	ljones		<button>Update</button>
14EGSA	14D11N The Best of Austria	Austria	Europe	ljones		<button>Update</button>
14ESIMF	14D11N The Best of Switzerland	Europe	Europe	ljones		<button>Update</button>
14EWP	14D11N Classic Eastern Europe	Europe	Europe	ljones		<button>Update</button>
5BKK	5D4N Bangkok + Hua Hin To	Thailand	Asia	jmoen		<button>Update</button>
5DPS	5D4N Bali Dolphin	Indonesia	Asia	jmoen		<button>Update</button>

Step 3 → Success prompt



7.3.8. Delete Trip

Step 1 → Click delete trip

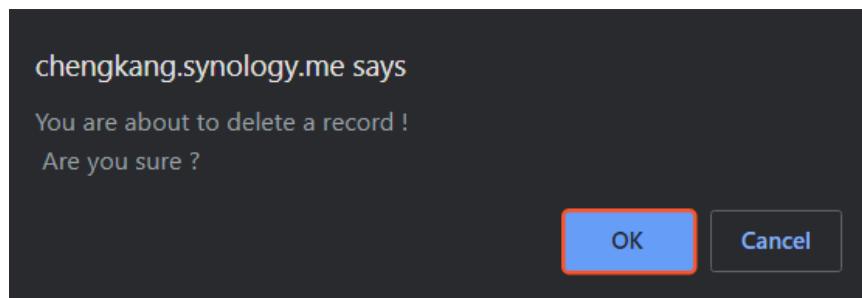


Step 2 → Delete specific record

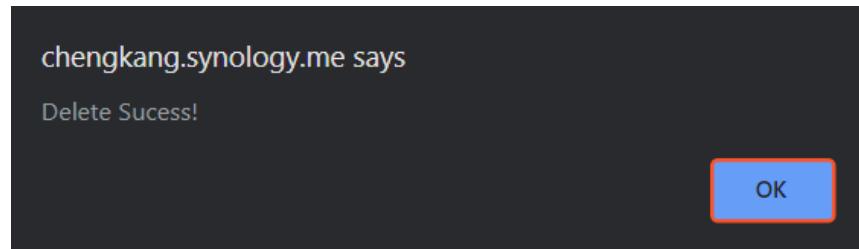
The screenshot shows the same Smart Holidays application dashboard. The sidebar menu is identical to the previous one. The main area now displays a table titled "Welcome! Manager, cheng.kang" showing a list of trips. The columns are Trip ID, Departure Date, Fee(RM), Airline, Tour Code, and Tour Name. Each row has a "Delete" button at the end. The "Delete" button for the first trip (Trip ID 6) is circled in red.

	Trip ID	Departure Date	Fee(RM)	Airline	Tour Code	Tour Name	Delete
	6	2019-11-22	2298	Malaysia Airline	SBKK	SD4N Bangkok + Hua Hin Tour	Delete
	8	2019-11-24	2298	Malindo	SBKK	SD4N Bangkok + Hua Hin Tour	Delete
	9	2019-11-28	2498	Malindo	SBKK	SD4N Bangkok + Hua Hin Tour	Delete
	10	2019-12-07	2198	Malaysia Airline	SDPS	SD4N Bali Dolphin	Delete
	11	2019-12-14	2198	Malaysia Airline	SDPS	SD4N Bali Dolphin	Delete
	12	2019-11-09	2198	Malaysia Airline	SDPS	SD4N Bali Dolphin	Delete
	13	2019-11-16	2198	Malaysia Airline	SDPS	SD4N Bali Dolphin	Delete
	14	2019-11-23	1998	Malaysia Airline	SHAN	SD4N Hanoi – Halong Bay – Ninh Binh Bich Dong Tour	Delete
	15	2019-11-24	1998	Malaysia Airline	SHAN	SD4N Hanoi – Halong Bay – Ninh Binh Bich Dong Tour	Delete

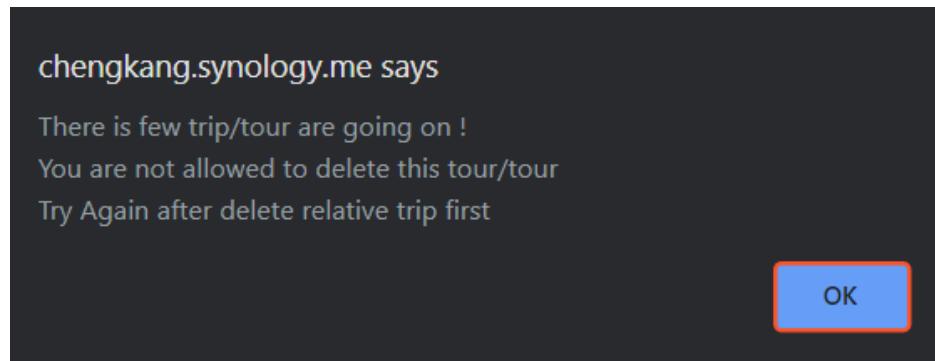
Step 3 → confirm delete



Step 4 → Success prompt

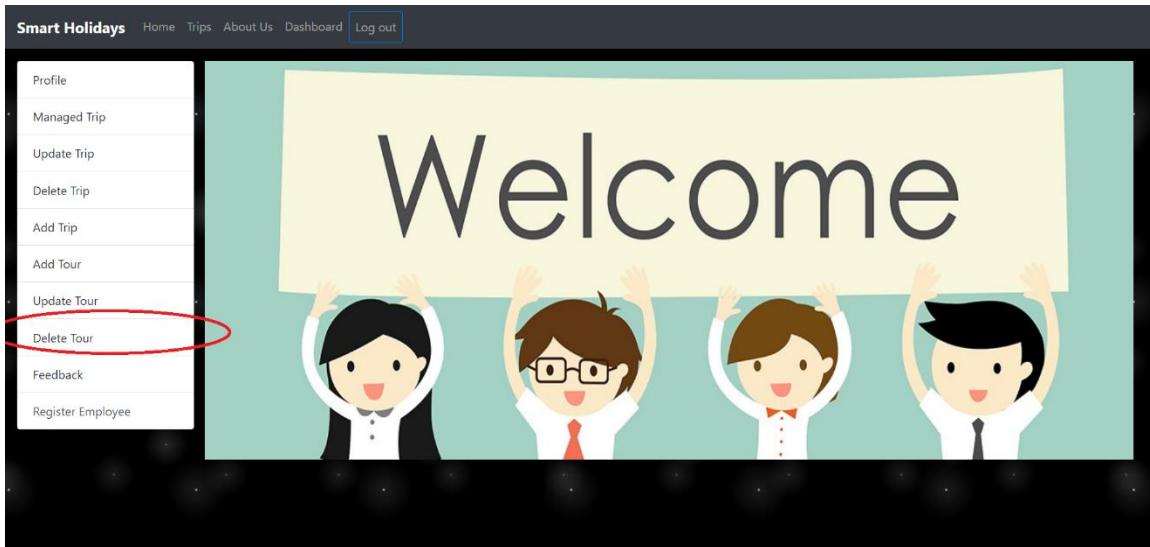


Step 4.1 → If the trip is booked



7.3.9. Delete Tour

Step 1 → Click Delete Tour

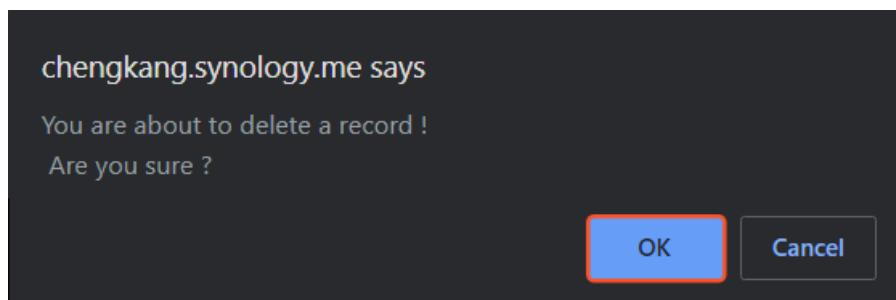


Step 2 → Delete specific record

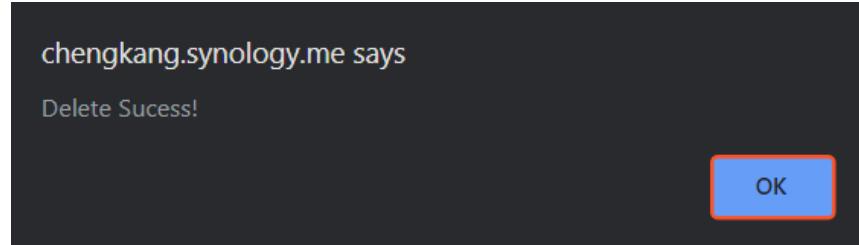
A screenshot of the Smart Holidays application's tour management page. The sidebar menu is identical to the previous screenshot. The main content shows a table of tour records. The columns are: Tour Code, Tour Name, Destination, Category, Managed by, Itinerary, and Update. The table contains the following data:

Tour Code	Tour Name	Destination	Category	Managed by	Itinerary	Update
10XII	10D7N Best of Turkey in 10 days	Turkey	Exotic	nicholaus06		
11ELPS	11D8N Europe Classic Full Board	Europe	Europe	ljones		
14EGSA	14D11N The Best of Austria And Switzerland	Austria	Europe	ljones		
14ESIMF	14D11N The Best of Switzerland - Italy - Monaco - French Riviera	Europe	Europe	ljones		
14EWP	14D11N Classic Eastern Europe	Europe	Europe	ljones		
5BKK	5D4N Bangkok + Hua Hin Tour	Thailand	Asia	jmoen		
5DPS	5D4N Bali Dolphin	Indonesia	Asia	jmoen		

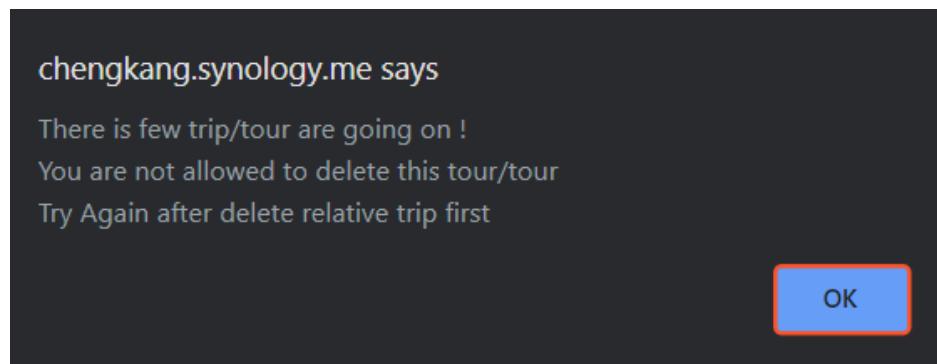
Step 3 → Confirm delete



Step 4 →Delete Success

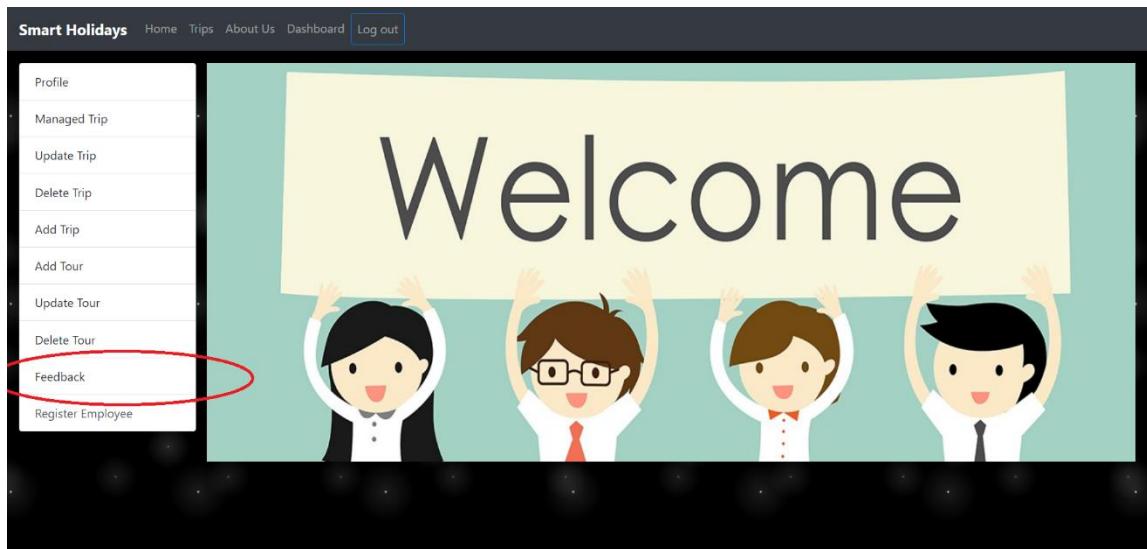


Step 4.1 → If there is ongoing trip



7.3.10. View Feedback

Step 1 → Click Feedback button



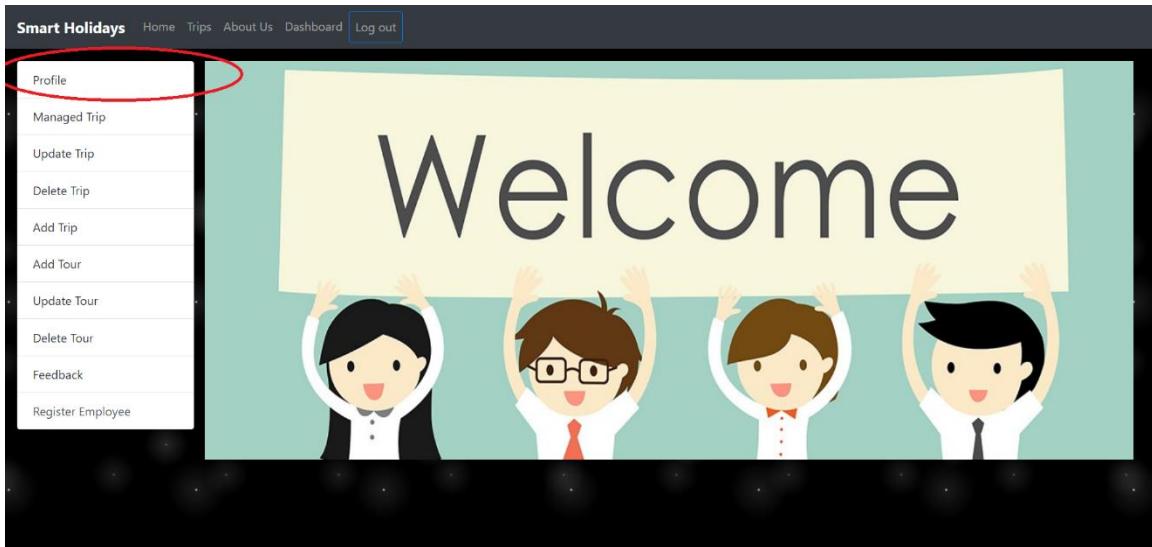
Step 2 → View the feedback

Profile	Feedback ID	Feedback
Managed Trip	1	Upload profile pic maybe
Update Trip	2	USer login profile pic
Delete Trip	3	Query all the trip and show it on itnerary
Add Trip	4	Simple Data validation
Add Tour	5	Jsjejrj
Update Tour	6	BLA

p/s Feedback do not allow delete as discuss earlier.

7.3.11. Update profile

Step 1 → Click “Profile”



Step 2 → View current information

The screenshot shows the profile update form. The title 'Welcome! Manager, cheng.kang' is displayed at the top. The form contains the following fields:

Field	Value
User Name	cheng.kang
Current Password	[Redacted]
New Password	[Redacted] Leave blank if you do not wish to change password
Confirm New Password	[Redacted] Leave blank if you do not wish to change password
First Name	Ching
Last Name	Cheng Kang
IC Number	990503015307
Position	Manager
Belonging Agency	Roystar Travel and Tours Sdn Bhd

A blue 'Update' button is located at the bottom right of the form.

Step 3 → Enter the current password and fill up the required information and click update

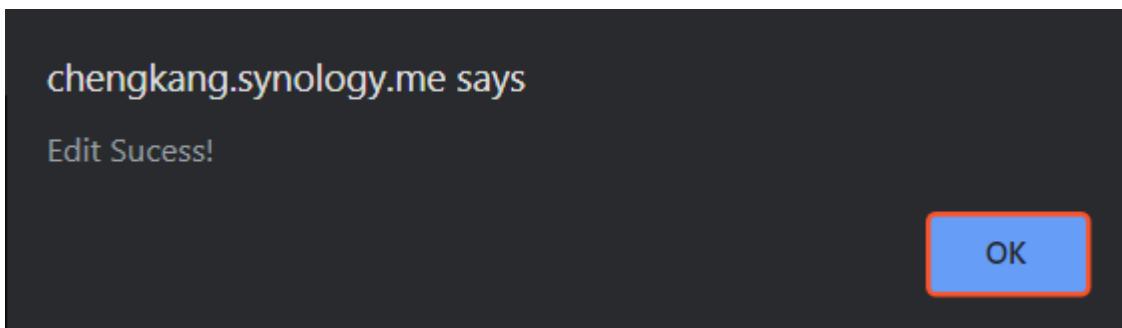
Password: admin / asdASD123

Leave the new password and confirm new password if do not wish to change the password.

Bear in mind that IC and Position is not allowed to change by employee itself.

The screenshot shows the 'Smart Holidays' application's profile update interface. On the left is a sidebar with options: Profile (selected), Managed Trip, Update Trip, Delete Trip, Add Trip, Add Tour, Update Tour, Delete Tour, Feedback, and Register Employee. The main area has a title 'Welcome! Manager, cheng.kang'. It contains fields for User Name (cheng.kang), Current Password (*****), New Password (Leave blank if you do not wish to change password), Confirm New Password (Leave blank if you do not wish to change password), First Name (Elaine), Last Name (Tan), IC Number (990503015307), Position (Manager), and Belonging Agency (Roystar Travel and Tours Sdn Bhd). A blue 'Update' button is at the bottom.

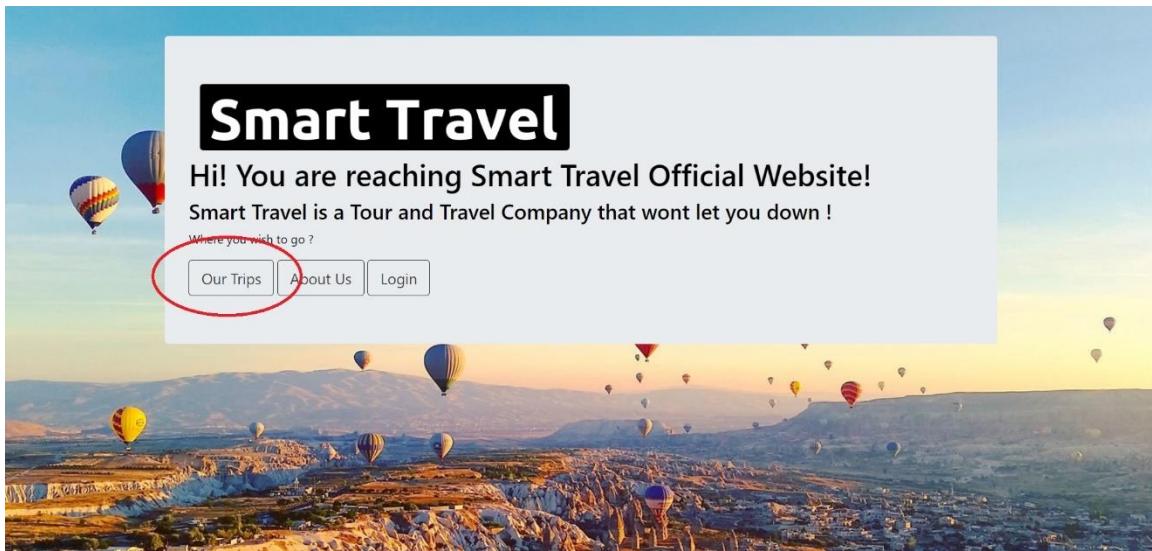
Step 4→Success prompt



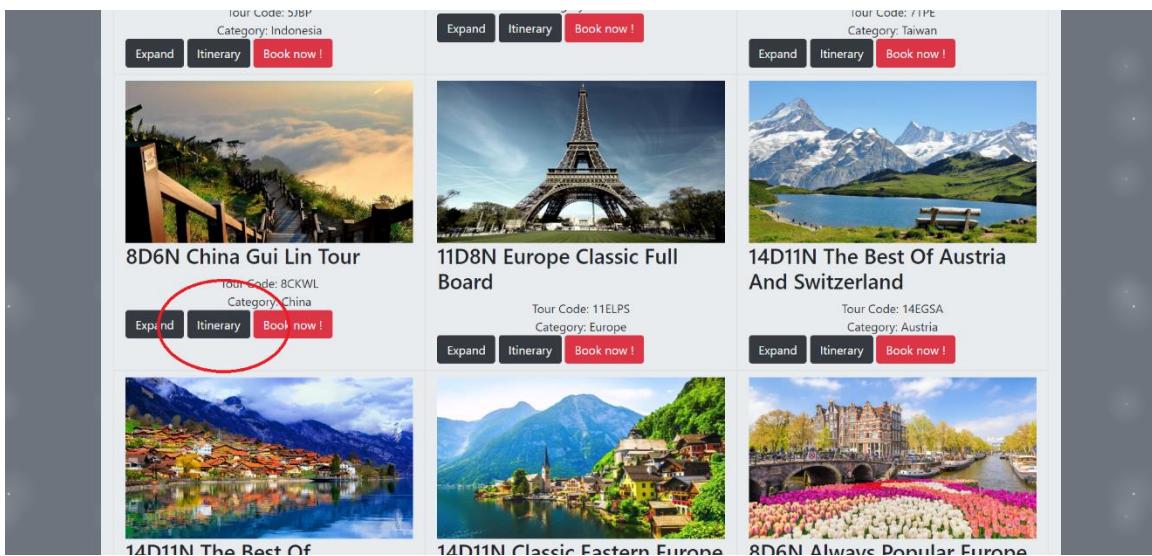
7.4.Guest (no account)

7.4.1.View itinerary

Step1 → Start up the webpage by typing “<https://chengkang.synology.me/test/> ” and click Our Trip



Step 2→Click on itinerary on desired tour



Step 3 → Itinerary of the tour will be shows up (or downloaded in phone)

The screenshot displays a travel itinerary page for an 8-day tour package. At the top, it says "8 DAYS GUILIN~ZHAOQING~LIPU~YANGSHUO~LONGSHEN~HEZHOU~GUANGZHOU TOUR". Below this, there's a section for "HOTEL ACCOMMODATION" with a brief description of Guilin's unique karst landscape. To the right, there's a "LOCAL CUISINE" section listing "Ethnic Cuisine", "Guilin Bee Moon Feast", "Yangshuo Beer Fish Feast", "Li Pu Yam Feast", and "Hakka Style Cuisine", each accompanied by a small thumbnail image.

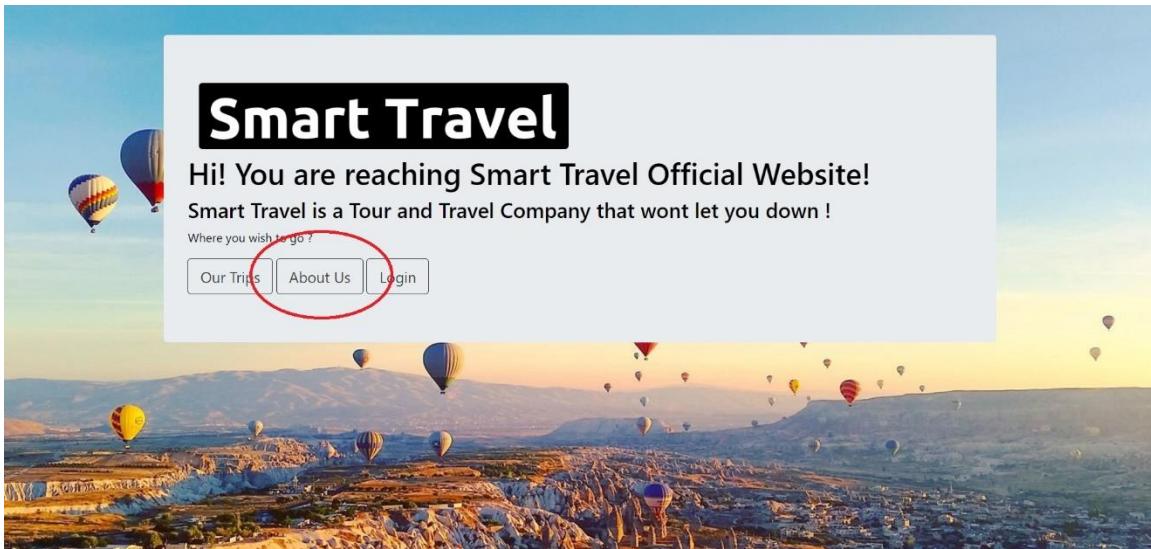
The main content area is titled "TOUR HIGHLIGHTS" and lists several attractions with descriptions:

- Cruise ride Seven Star Lake** - There is a legend has the seven peaks are left behind seven Nu Sky Length; there is the envy of heaven and earth fairies.
- Yin Zi Cave** - Mountains are green, the water is green, and earth is green, the tree is green, the hill is green, this is known as the "Four Green of Yin Zi".
- Xiashajie Street** - This street has been dubbed is still Xiangjiaoyu southern villages in type size, but they show the international flavor of the cultural landscape.
- Xianxishan Park** - Nanxi more and odd cave, to the north of the most famous white dragon cave leading, so called white dragon cave
- Dongding Village** - View the Donghai wall wooden floor, experience Dong life, hit modci, view weaven culture costume Angel Dong song and dance performances, about "people go home"; Dong family culture
- Bing Shui Scenery Lake** - Located in the center of Guilin city, North and Central Square near the south across the road and the Lijiang River, the bustling Zhongshan Road through the Lake District, the lake park, the lake
- Gai Nan Men** - "Banyan Tree is the ancient south gate door, the door is said Tang built a plant banyan tree, root crone-old outside a long time, disk error to
- Shang Xia Liu Shopping Street** - Shangxiajiu east, just west of the tenth West, across the river

At the bottom, there are two tables: one for "ITINERARY" and one for "HOTEL". The ITINERARY table shows "DEPART → GUANGZHOU → ZHAOQING" followed by "(Cruise ride Seven Star Lake)". The HOTEL table shows "Li Jing Hotel".

7.4.2. Feedback

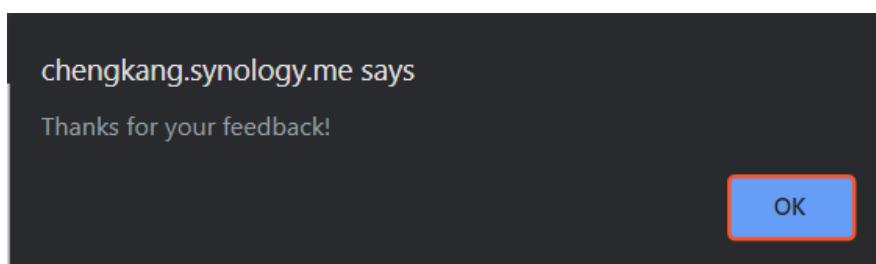
Step1 → Start up the webpage by typing “<https://chengkang.synology.me/test/>” and click About us



Step 2 → Fill in the information and click submit

The image shows two parts of a feedback form. On the left, there is a "Feedback Form" section with a text input field labeled "Enter your Feedback here :3" and a "SUBMIT" button. Above this, there is a heading "Submit Your Feedback here !". On the right, there is a "Location" section showing a Google Map of Kuala Lumpur. The map highlights the location of Roystar Travel & Tours Sdn Bhd at Jalan Imbi. Other landmarks shown include the Royal Selangor Golf Club, KAMPUNG PANDAN, and various shopping plazas like Low Yat Plaza and Berjaya Times Square.

Step 3 → Thanks for you feedback once again



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