IFB299

IT Project Design and Development

Sprint 1 Portfolio:

Pinelands Music School

Case Study

4th May 2018

Version 1.1

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ASSIGNMENT DECLARATION

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1. ARTEFACT – Mockup Design

1.1 Contribution

Designed high fidelity mockups for certain parts of the website such as:

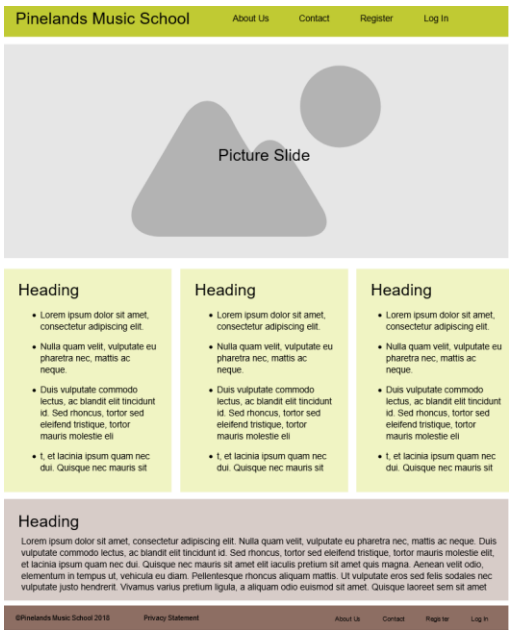
- Homepage
- About
- Contact
- Register, and Register Response
- Log In
- Personal Profile
    - Student Pages:
        - Booked Classes
        - Available Classes

Other Team members contributed with the rest of the mockups such as:

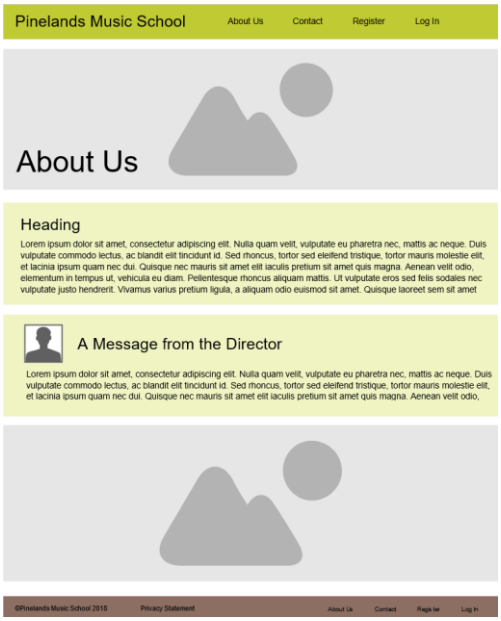
- Admin:
    - Register Teacher
    - Feedback
    - Instrument Tracking
    - Manage Accounts
    - Manage Contracts

1.2 Evidence

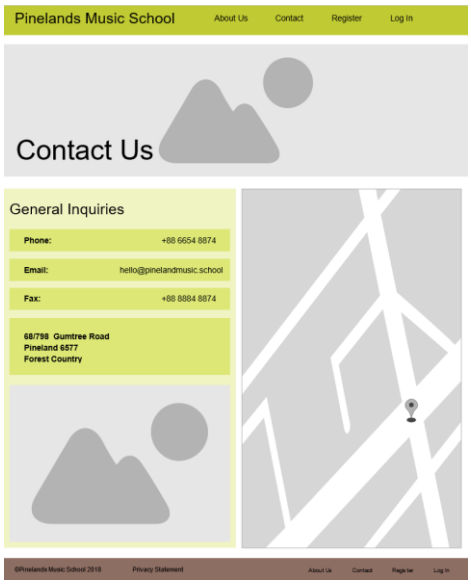
1.2.1 Homepage:



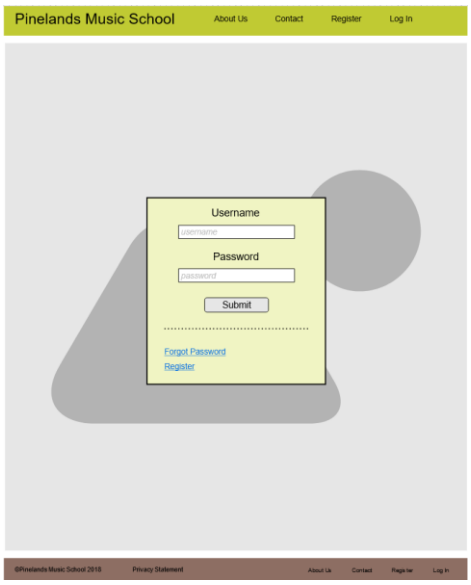
1.2.2 About:



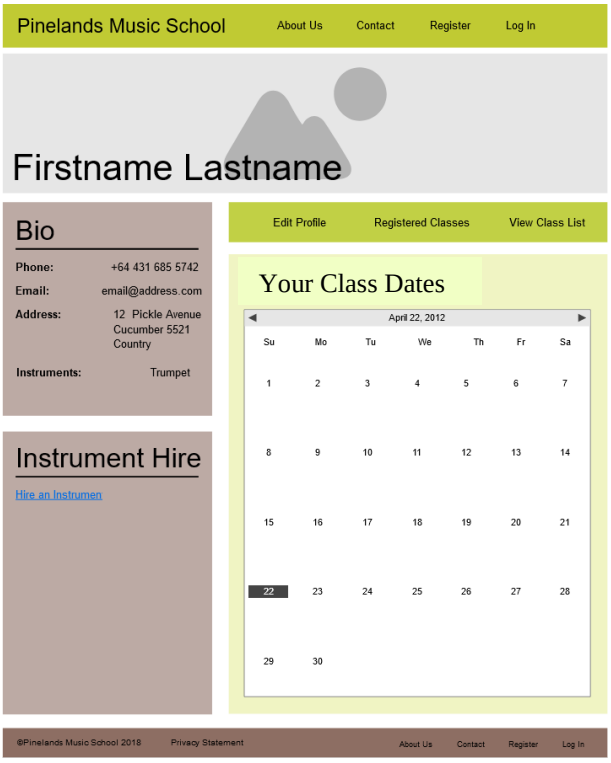
1.2.3 Contact:



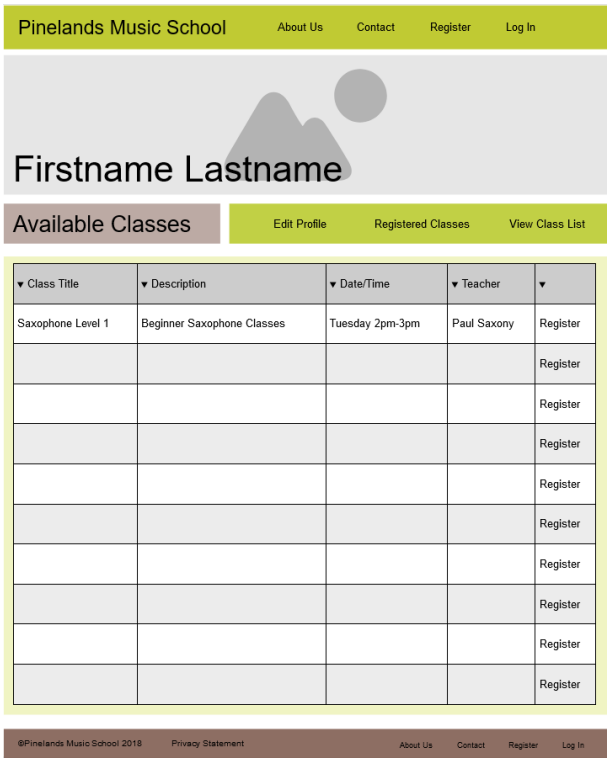
1.2.4 Log In:



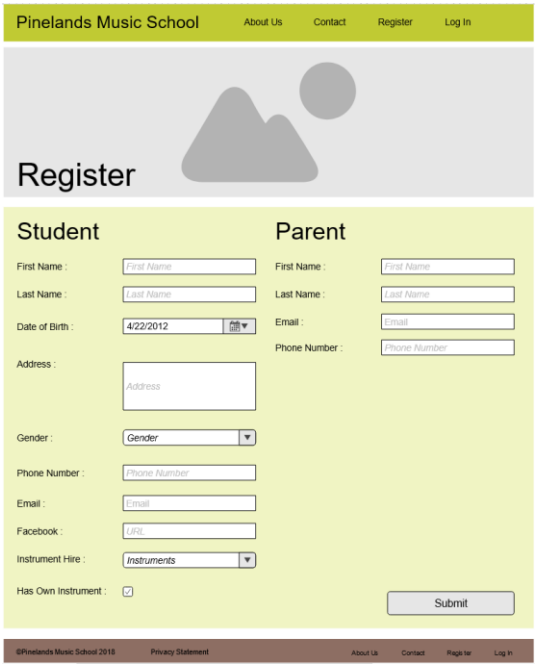
1.2.5 Profile:



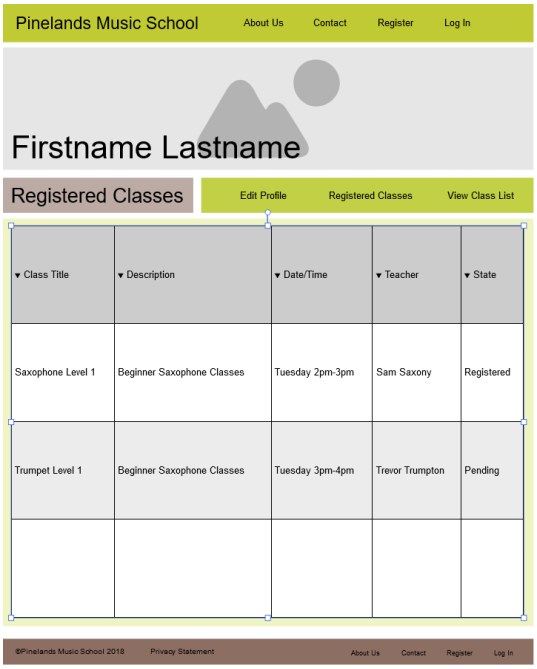
1.2.6 Register for Classes:



1.2.7 Register Account:



1.2.8 Available Classes:



1.3 Project Integration

Creating mockups are an essential stage in website development. It allows the all stakeholders to have a visual representation of the final product. Research into website usability and design was conducted to provide a balance of both aesthetics and usability. Several iterations of designs were presented to refine inconsistencies and meet client requirements. The presence of mockup design also improved the workflow for the developers, greatly increasing productivity as less time was used debating and deciding on the actual design layout.

2. ARTEFACT – Website UI

2.1 Contribution

Customized CSS styling, design, color scheme and images. Bootstrap is the underlying styling of the website, however, was heavily customized in order to fit the requirements and theme. JavaScript is used to display HTML elements only when needed. In this case to ask for parent details of students registering who are under the age of 18.

2.2 Evidence

(Please see next page.)

2.2.1 – CSS

```
/**
Custom CSS to verride bootstrap defaults
**/
html {
  position: relative;
  min-height: 100%;
  overflow-y: scroll;
}

body {
  font-family: "Playfair Display", Georgia, "Times New Roman",
serif;
  margin-bottom: 60px;
  background: url(../img/tile.png);
}

.blog-header-logo {
  font-family: "Playfair Display", Georgia, "Times New Roman",
serif;
  font-size: 2.25rem;
}

.footer {
  position: absolute;
  bottom: 0;
  width: 100%;
}

#rmmargin {
  margin-bottom: 0px;
  border-top-left-radius: 4px;
  border-top-right-radius: 4px;
  border-bottom-left-radius: 0px;
  border-bottom-right-radius: 0px;
}

#icon {

}
.navbar-nav {
  display: inline-block;
  float: none;
  vertical-align: top;
  width: 100%;
}

.navbar .navbar-collapse {
  text-align: center;
}

ul li {
  display: table-cell;
  width: 20%;
  text-align: center;
```

```
}

.img-hor {
  float: right;
  -moz-transform: scaleX(-1);
  -o-transform: scaleX(-1);
  -webkit-transform: scaleX(-1);
  transform: scaleX(-1);
  filter: FlipH;
  -ms-filter: "FlipH";
}

img {
  margin-top: -60px;
}
.jumbotron {
  background: url(../img/jumbotronbackground.jpg) no-repeat center
center;
}

.navbar-inverse {
  background-color: #566c50;
}

.navbar {
  position: relative;
  min-height: 50px;
  margin-bottom: 20px;
  border: 0px solid transparent;
}
.navbar-inverse .navbar-nav > li > a {
  color: #fff;
}

#banner {
      background: url(../img/jumbotronbackground.jpg) center 250px;
      height: 160px;
      border-radius: 10px;
      padding-top: 60px;
  padding-left: 20px;
  margin-bottom: 30px;
}

#banner h1{
  font-size: 65px;
}

.panel-title {
  font-size: 30px;
}

#contactdet {
  margin-top: -20px;

}
.table > tbody > tr > td{
  width: 60%;
```

```
  background-color: #f0e8d8;
  border-top: 10px solid #f8fff5;
}

iframe{
  border-radius: 4px;
}

#loginbox {
  margin: auto;
  width: 20%;
  padding: 10px;
}

.list-group-item {
      position: relative;
      display: block;
      padding: 10px 15px;
      margin-bottom: -1px;
  margin-top: -10px;
      background-color: #f8fff5;
      border: 0px solid #ddd;
      width: 100%;
  -webkit-box-shadow: 0 1px 1px rgba(0,0,0,.05);
  box-shadow: 0 1px 1px rgba(0,0,0,.05);
}

.panel {
  background-color: #f8fff5;
}

#cellleft {
  border-top-left-radius: 7px;
  border-bottom-left-radius: 7px;
}
#cellright {
  border-top-right-radius: 7px;
  border-bottom-right-radius: 7px;
}

.table > tbody > tr > td, .table > tbody > tr > th, .table > tfoot >
tr > td, .table > tfoot > tr > th, .table > thead > tr > td, .table
> thead > tr > th {
      padding: 8px;
      line-height: 1.42857143;
      /* vertical-align: top; */
      /* border-top: 1px solid #ddd; */
}

.table > tbody > tr > td, .table > tbody > tr > th, .table > tfoot >
tr > td, .table > tfoot > tr > th, .table > thead > tr > td, .table
> thead > tr > th {
      padding: 8px;
      line-height: 1.42857143;
      vertical-align: top;
      /* border-top: 1px solid #ddd; */
}
```

```
table {
      border-spacing: 0;
      /* border-collapse: collapse; */
}
```

2.2.2 - JavaScript

```
// Hide Parent input
// Only Show if date is less than 18 Yrs
var t = new Date()
var is18 = t.getTime() - 567648000000
$('div.pinput').css('display', 'none');
$('input.bday').on('change', function(){
  var d = Date.parse($(this).val());
       if(d >= is18){
           $('div.pinput').css('display', 'block');
       } else {
           $('div.pinput').css('display', 'none');
       }
    });
```

2.3 Project Integration

Final color and design scheme fits requirements and is suitable for the application.

3. ARTEFACT – Login Functionality

3.1 Contribution

The functionality that allows a user with login details such as a: Student, Teacher, or Administrator to log into the web portal. This was completed with PHP scripts.

3.2 Evidence

3.2.1 – Login PHP

```
<?php
require_once("connectdb.php");
session_start();

// Session variables
//        value[0] = usertype
//        value[1] = accountId
//        value[2] = userId
//        value[3] = navRef

//sql username stmt
$loginusrsql = "SELECT * FROM accounts WHERE Username= :username";

//sql password stmt
$stdntloginpasssql = "SELECT Id, Salt, Password FROM
studentsaccounts WHERE Id= :studentid";
$tchrloginpasssql = "SELECT Id, Salt, Password FROM teachersaccounts
WHERE Id= :teacherid";
$adminloginpasssql = "SELECT Id, Salt, Password FROM adminaccounts
WHERE Id= :adminid";

//check both fields are filled
if ($_SERVER['REQUEST_METHOD'] == 'POST' && $form == 'loginform'  &&
!empty($_POST['username']) && !empty($_POST['password'])) {
  //assign POST data to normal variables
  $username = $_POST['username'];
  $pass = $_POST['password'];
  $stmt = $pdo->prepare($loginusrsql);
  $stmt->bindValue(':username', $username);
  $stmt->execute();
  $rows = $stmt->fetch(PDO::FETCH_NUM);

  // Check user type
  if (!empty($rows[2])) {
    global $pass;
    $userid = $rows[2];
    $acctid = $rows[0];
    // Get User Pass + info
    $stmt = $pdo->prepare($stdntloginpasssql);
    $stmt->bindValue(':studentid', $userid);
    $stmt->execute();
    $rows = $stmt->fetch(PDO::FETCH_NUM);
    $password = $pass . $rows[1];
    // Check Password
    if (hash('sha256', $password) == $rows[2]) {
      // Login Successful  -> Go to account page
      // Set Session Data
      $_SESSION["user"] = array("student", $acctid, $rows[0]);
      header('Location: private_html/profile.php');
    } else {
      echo "Incorect Password";
```

```
    }
  } elseif (!empty($rows[3])) {
    $acctid = $rows[3];
    // Get User Pass + info
    $stmt = $pdo->prepare($tchrloginpasssql);
    $stmt->bindValue(':teacherid', $acctid);
    $stmt->execute();
    $rows = $stmt->fetch(PDO::FETCH_NUM);
    $password = $pass . $rows[1];
    // Check Password
    if (hash('sha256', $password) == $rows[2]) {
      // Go to account page
      $_SESSION["user"] = array("teacher", $acctid, $rows[0]);
      header('Location: private_html/profile.php');
    } else {
      echo "Incorect Password";
    }
  } elseif (!empty($rows[4])) {
    $acctid = $rows[4];
    // Get User Pass + info
    $stmt = $pdo->prepare($adminloginpasssql);
    $stmt->bindValue(':adminid', $acctid);
    $stmt->execute();
    $rows = $stmt->fetch(PDO::FETCH_NUM);
    $password = $pass . $rows[1];
    echo $pass;
    echo $rows[2];
    // Check Password
    // Admin passwords have not been hashed, will be implemented at
a later date
    if (/*hash('sha256', $password)*/$pass == $rows[2]) {
      // Go to account page
      $_SESSION["user"] = array("admin", $acctid, $rows[0]);
      header('Location: private_html/profile.php');
    } else {
      echo "Incorect Password";
    }
  } else {
    echo "Incorect Username";
    $loginresult = false;
    // TO DO -Failed login popup --------------
  }
}
```

3.3 Project Integration

Having the functionality to log into the website is fundamental to the project. There are three types of user each with their own set of abilities. Firstly, the admin account allows an administrator to register teachers, access the database with CRUD functionality, and generate a variety of reports relating to business operations such as, financial reports, and feedback reports from students and teachers. The administrator account will be used predominantly by the owner of the company and any other personnel in an administrator role. Secondly, the teacher account allows teachers to control aspects such as, creating classes for students to register with, the contract that's included with the class, and the ability to set their profile settings such as languages they can speak and instruments they can teach. Lastly, the student account is able to view available classes to register with, view their respective timetable, and manage their profile similar to that of the teacher account where, it's possible to set what languages/instruments they are familiar with, and provide feedback on classes/teachers or the school in general. In order to log in, the user is required to input a username and password.

4 ARTEFACT – Register Functionality

4.1 Contribution

The registration functionality. Two areas of registration were developed, student registration and teacher registration. To ensure security of data input into the database, the statements and values were ‘prepared’ with the PHP PDO, ‘prepare’ function.

4.2 Evidence

4.2.1 - Registration Code

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

// REGISTER FORMS STUDENT & TEACHER --------------------------------
-------------------------------------
$salt = 3;//random_int(100000, 999999);
$currentdate = date("Y-m-d-H-i-s");
$hasinst = false;
$hasparent = false;

function console_log( $data ){
  echo '<script>';
  echo 'console.log('. json_encode( $data ) .')';
  echo '</script>';
}

//sql statementa
$sturegsql = "INSERT INTO `studentsaccounts`(`Id`, `FirstName`,
`LastName`, `DateOfBirth`, `Address`, `Gender`, `PhoneNumber`,
`EmailAddress`, `Password`, `Salt`, `ParentsId`, `CreateDate`,
`UpdateDate`)
VALUES (NULL, :firstname, :lastname, :DOB, :address, :gender,
:mobphone, :email, SHA2(CONCAT(:password, :salt), 0), :salt, NULL,
:createdate, NULL);";

$teacherregsql = "INSERT INTO `teachersaccounts`(`Id`, `FirstName`,
`LastName`, `DateOfBirth`, `Address`, `Gender`, `PhoneNumber`,
`EmailAddress`, `Password`, `Salt`, `AdminCreationId`, `CreateDate`,
`UpdateDate`)
VALUES (NULL, :firstname, :lastname, :DOB, :address, :gender,
:mobphone, :email, SHA2(CONCAT(:password, :salt), 0), :salt,
:adminid, :createdate, NULL);";

$acctregsql = "INSERT INTO `accounts`(`Id`, `Username`, `StudentId`,
`TeacherId`, `AdminId`) VALUES (NULL, :username, :studentid, NULL,
NULL);";
```

```
$teacheracctregsql = "INSERT INTO `accounts`(`Id`, `Username`,
`StudentId`, `TeacherId`, `AdminId`) VALUES (NULL, :username, NULL,
:teacherid, NULL);";

$parentsql = "INSERT INTO `parentdetails`(`Id`,
`StudentId`,`FirstName`, `LastName`, `PhoneNumber`, `Email`,
`CreateDate`, `UpdateDate`) VALUES (NULL, :studentid, :pfirstname,
:plastname, :pphone, :pemail, :createdate, NULL);";

//need to do:
//--validate

try {
  // Check if student registration and set vars
  if ($_SERVER['REQUEST_METHOD'] == 'POST' && $form == 'sturegform')
{
    global $stmt, $salt, $last_id;
    $firstname = $_POST['firstname'];
    $lastname = $_POST['lastname'];
    $dob = $_POST['dob'];
    $username = $_POST['username'];
    $password = $_POST['password'];
    $email = $_POST['email'];
    $address = $_POST['address'];
    $gender = $_POST['gender'];
    $mobphone = $_POST['mobphone'];
    $email = $_POST['email'];
    // Check if parent details are used then prepeare
    if ($_POST['pfname'] !== ""){
      $pfirstname = $_POST['pfname'];
      $plastname = $_POST['plname'];
      $pphone = $_POST['ptel'];
      $pemail = $_POST['pemail'];
      $hasparent = true;
    }
    //$hasinst = $_POST['hasinst'];
    // Define student register sql query to stmnt and bind values
    $stmt = $pdo->prepare($sturegsql);
    $stmt->bindValue(':firstname', $firstname);
    $stmt->bindValue(':lastname', $lastname);
    $stmt->bindValue(':DOB', $dob);
    $stmt->bindValue(':address', $address);
    $stmt->bindValue(':gender', $gender);
    $stmt->bindValue(':mobphone', $mobphone);
    $stmt->bindValue(':email', $email);
    $stmt->bindValue(':password', $password);
    $stmt->bindValue(':salt', $salt);
    $stmt->bindValue(':createdate', $currentdate);
    $stmt->execute();
    $submittedresult = $stmt->rowCount();
    console_log( $submittedresult );
    // Get Id of last insert
    $last_id = $pdo->lastInsertId();
    // Define sql query and  insert row into acct table
    //    with Id from studentsaccounts
    $stmt = $pdo->prepare($acctregsql);
    $stmt->bindValue(':username', $username);
```

```
    $stmt->bindValue(':studentid', $last_id);
    $stmt->execute();
    // If parent have been included, bind values,
    //   insert into table with student acct ID
    if ($hasparent == true) {
      $stmt = $pdo->prepare($parentsql);
      $stmt->bindValue(':studentid', $last_id);
      $stmt->bindValue(':pfirstname', $pfirstname);
      $stmt->bindValue(':plastname', $plastname);
      $stmt->bindValue(':pphone', $pphone);
      $stmt->bindValue(':pemail', $pemail);
      $stmt->bindValue(':createdate', $currentdate);
      $stmt->execute();
    }
    if ($submittedresult == 1) {
      $regsuccess = true;
      header('Location: regresult.php');
      echo $regsuccess;
    } else {
      $regsuccess = false;
      header('Location: regresult.php');
      echo $regsuccess;
    }
  // Check if teacher registration
  } elseif ($_SERVER['REQUEST_METHOD'] == 'POST' && $form ==
'teacherregform') {
    $firstname = $_POST['firstname'];
    $lastname = $_POST['lastname'];
    $dob = $_POST['dob'];
    $username = $_POST['username'];
    $password = $_POST['password'];
    $email = $_POST['email'];
    $address = $_POST['address'];
    $gender = $_POST['gender'];
    $mobphone = $_POST['mobphone'];
    $email = $_POST['email'];
    $adminid = $_SESSION['user'][2];
    // Bind Values
    $stmt = $pdo->prepare($teacherregsql);
    $stmt->bindValue(':firstname', $firstname);
    $stmt->bindValue(':lastname', $lastname);
    $stmt->bindValue(':DOB', $dob);
    $stmt->bindValue(':address', $address);
    $stmt->bindValue(':gender', $gender);
    $stmt->bindValue(':mobphone', $mobphone);
    $stmt->bindValue(':email', $email);
    $stmt->bindValue(':password', $password);
    $stmt->bindValue(':salt', $salt);
    $stmt->bindValue(':adminid', $adminid);
    $stmt->bindValue(':createdate', $currentdate);
    $stmt->bindValue(':adminid', $adminid);
    $stmt->execute();
    $submittedresult = $stmt->rowCount();
    console_log( $submittedresult );
    // Get Id of last insert
    $last_id = $pdo->lastInsertId();
    // Define sql query and  insert row into acct table
```

```
    //    with Id from studentsaccounts
    $stmt = $pdo->prepare($teacheracctregsql);
    $stmt->bindValue(':username', $username);
    $stmt->bindValue(':teacherid', $last_id);
    $stmt->execute();
    $submittedresult = $stmt->rowCount();
    if ($submittedresult == 1) {
      $regsuccess = true;
      header('Location: ../profile.php');
      echo $regsuccess;
    } else {
      $regsuccess = false;
      header('Location: ../profile.php');
      echo $regsuccess;
    }
  }
} catch (Exception $e) {
  echo 'Caught exception: ',  $e->getMessage(), "\n";
}
?>
```

4.3 Project Integration

The registration functionality is crucial to the project. The registration allows students and teachers to create an account giving them the ability to log into their account. The registration requires a variety of information such as:

- First Name
- Last Name
- Username
- Password
- Date of Birth
- Address
- Gender
- Phone Number

- Email
- Languages Spoken
- What instrument they will predominantly be focused on

If a student under 18 is registering, they are required to input their parent's details:

- First Name
- Last Name
- Phone Number
- Email

5 ARTEFACT – Website Structure

5.1 Contribution

Developed the markup of the final website with HTML/CSS with PHP. The website is structured so that the, header, navigation bar, banners, and footer are separated from each page and only called when needed. The page content is included within each individual page, then certain templates are called and the PHP scripts automatically inserts relevant data and information. Currently, dummy 'lorem ipsum' text is acting as a placeholder to demonstrate where relevant text will be placed in the next sprint. Some pages such as the profile page are not fully complete. The Configuration PHP script sets all the directories locations for easy referencing. In the about page, the text content was provided by another team member.

Other team members have contributed other pages such as:

- Teacher registration
- Teacher Classes
- Student Available Classes

5.2 Evidence

(Please see next page.)

5.2.1 – Header

```
<?php
session_start();
 ?>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1">
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.
min.css">
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.j
s"></script>
  <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.mi
n.js"></script>
  <link rel="stylesheet" type="text/css" href="<?php echo
STYLES_PATH . '/css.css'?>">
</head>
<body>

<div class="container">
  <header class="blog-header">
    <div class="text-center blog-header-logo">
      <h1>
        Pinelands Music School
      </h1>
    </div>
    <img src="<?php echo IMAGES_PATH . '/icon.png'?>"
style="position: absolute" />
    <img class="img-hor" src="<?php echo IMAGES_PATH .
'/icon.png'?>" />
  </header>

  <nav class="col-md-6 col-md-offset-3 navbar navbar-inverse">
      <ul class="nav navbar-nav">
        <li><a href="<?php echo INDEX_PATH .
'index.php'?>">Home</a></li>
        <li><a href="<?php echo INDEX_PATH .
'about.php'?>">About</a></li>
        <li><a href="<?php echo INDEX_PATH .
'contact.php'?>">Contact</a></li>
        <li><a href="<?php echo INDEX_PATH . 'login.php'?>">Log
In</a></li>
        <li><a href="<?php echo INDEX_PATH .
'register.php'?>">Register</a></li>
      </ul>
  </nav>

</div>
```

5.2.2 - Banner

```
<?php
if ($basename == 'contact' or $basename == 'about') {
  $basename = $basename . ' us';
}

if ($basename == 'login') {
  $basename = 'Sign In';
}

?>
<div class="container">
  <div id="banner" style="color: white">
    <h1>
      <?php echo ucwords($basename) ?>
    </h1>
  </div>
</div>
```

5.2.3 – User Navigation Bars

5.2.3.1 – Admin Navigation Bar

```
<div class="container">
<nav class="col-md-7 navbar navbar-inverse">
    <ul class="nav navbar-nav">
      <li style="width: 25%;">
        <a href="<?php echo PROFILE_PATH .
'/profile.php'?>">Profile</a>
      </li>
      <li style="width: 25%;">
        <a href="<?php echo ADMIN_PATH .
'/regteacher.php'?>">Register Teacher</a>
      </li>
      <li style="width: 25%;">
        <a href="<?php echo ADMIN_PATH .
'/reports.php'?>">Reporting</a>
      </li>
      <li style="width: 25%;">
        <a href="<?php echo ADMIN_PATH . '/editDB.php'?>">Edit
DB</a>
      </li>
    </ul>
</nav>
<nav class="col-md-2 col-md-offset-3 navbar navbar-inverse">
    <ul class="nav navbar-nav">
      <li style="width: 100%;"><a href="<?php echo INDEX_PATH .
'index.php'?>">Log Out</a></li>
    </ul>
</nav>
</div>
```

5.2.3.2 – Teacher Navigation Bar

```
<div class="container">
<nav class="col-md-7 navbar navbar-inverse">
    <ul class="nav navbar-nav">
      <li style="width: 25%;">
        <a href="<?php echo PROFILE_PATH .
'/profile.php'?>">Profile</a>
      </li>
      <li style="width: 25%;">
        <a href="<?php echo TEACHER_PATH .
'/avlblclasses.php'?>">Available Classes</a>
      </li>
      <li style="width: 25%;">
        <a href="<?php echo TEACHER_PATH .
'/timetable.php'?>">Timetable</a>
      </li>
      <li style="width: 25%;">
        <a href="<?php echo TEACHER_PATH .
'/editprofile.php'?>">Edit Profile</a>
      </li>
    </ul>
</nav>
```

```
<nav class="col-md-2 col-md-offset-3 navbar navbar-inverse">
    <ul class="nav navbar-nav">
      <li style="width: 100%;">
        <a href="<?php echo INDEX_PATH . 'index.php'?>">Log Out</a>
      </li>
    </ul>
</nav>
</div>
```

5.2.3.3 – Student Navigation Bar

```
<div class="container">
<nav class="col-md-7 navbar navbar-inverse">
    <ul class="nav navbar-nav">
      <li style="width: 25%;">
        <a href="<?php echo PROFILE_PATH .
'/profile.php'?>">Profile</a>
      </li>
      <li style="width: 25%;">
        <a href="<?php echo STUDENT_PATH .
'/avlblclasses.php'?>">Available Classes</a>
      </li>
      <li style="width: 25%;">
        <a href="<?php echo STUDENT_PATH .
'/timetable.php'?>">Timetable</a>
      </li>
      <li style="width: 25%;">
        <a href="<?php echo STUDENT_PATH .
'/editprofile.php'?>">Edit Profile</a>
      </li>
    </ul>
</nav>
<nav class="col-md-2 col-md-offset-3 navbar navbar-inverse">
    <ul class="nav navbar-nav">
      <li style="width: 100%;">
        <a href="<?php echo INDEX_PATH . 'index.php'?>">Log Out</a>
      </li>
    </ul>
</nav>
</div>
```

5.2.4 - Footer

```
<footer class="footer">
  <div class="container">
    <nav class="navbar navbar-inverse" id="rmmargin">
      <div class="col-md-6 col-md-offset-3">
        <ul class="nav navbar-nav">
          <li><a href="<?php echo INDEX_PATH .
'index.php'?>">Home</a></li>
          <li><a href="<?php echo INDEX_PATH .
'about.php'?>">About</a></li>
          <li><a href="<?php echo INDEX_PATH .
'contact.php'?>">Contact</a></li>
          <li><a href="<?php echo INDEX_PATH . 'login.php'?>">Log
In</a></li>
          <li><a href="<?php echo INDEX_PATH .
'register.php'?>">Register</a></li>
        </ul>
      </div>
    </nav>
  </div>
</footer>
</body>
</html>
<script src="<?php echo JS_PATH . '/js.js'?>"></script>
```

5.2.5 – Public Pages

5.2.5.1 – Index/Homepage

```
<?php
    $basename =
substr(strtolower(basename($_SERVER['PHP_SELF'])),0,strlen(basename(
$_SERVER['PHP_SELF']))-4);
    require_once("../resources/config.php");
    require_once(TEMPLATES_PATH . "/header.php");
    session_unset();
    session_destroy();
?>
<div class="container">
<div class="jumbotron">
  <div class="container" style="color: white">
    <h1>Learn to play music</h1>
    <p>Come on down to Pineland Music School<br>
      We got all sorts of instruments, all sorts of sizes, and
colors, that make all sorts different sounds!</p>
      <p><a class="btn btn-primary btn-lg" href="#"
role="button">Learn more</a></p>
  </div>
</div>
<div class="col-md-4">
  <div class="panel panel-success">
    <div class="panel-heading">
      <h3 class="panel-title">We got the best instruments</h3>
    </div>
    <div class="panel-body">
      Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed
do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut
enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi
ut aliquip ex ea commodo consequat. Duis aute irure dolor in
reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla
pariatur. Excepteur sint occaecat cupidatat non proident, sunt in
culpa qui officia deserunt mollit anim id est laborum.
    </div>
  </div>
</div>
<div class="col-md-4">
  <div class="panel panel-success">
    <div class="panel-heading">
      <h3 class="panel-title">We got the best instruments</h3>
    </div>
    <div class="panel-body">
      Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed
do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut
enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi
ut aliquip ex ea commodo consequat. Duis aute irure dolor in
reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla
pariatur. Excepteur sint occaecat cupidatat non proident, sunt in
culpa qui officia deserunt mollit anim id est laborum.
    </div>
  </div>
```

```
</div>
<div class="col-md-4">
  <div class="panel panel-success">
    <div class="panel-heading">
      <h3 class="panel-title">We got the best instruments</h3>
    </div>
    <div class="panel-body">
    Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do
eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim
ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut
aliquip ex ea commodo consequat. Duis aute irure dolor in
reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla
pariatur. Excepteur sint occaecat cupidatat non proident, sunt in
culpa qui officia deserunt mollit anim id est laborum.
    </div>
  </div>
</div>
<div class="col-md-12">
  <div class="panel panel-success">
    <div class="panel-heading">
      <h3 class="panel-title">We got the best instruments</h3>
    </div>
    <div class="panel-body">
      Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed
do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut
enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi
ut aliquip ex ea commodo consequat. Duis aute irure dolor in
reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla
pariatur. Excepteur sint occaecat cupidatat non proident, sunt in
culpa qui officia deserunt mollit anim id est laborum.
    </div>
  </div>
</div>
</div>
<?php
    require_once(TEMPLATES_PATH . "/footer.php");
?>
```

5.2.5.2 - About

```
<?php
    $basename =
substr(strtolower(basename($_SERVER['PHP_SELF'])),0,strlen(basename(
$_SERVER['PHP_SELF']))-4);
    require_once("../resources/config.php");
    require_once(TEMPLATES_PATH . "/header.php");
    require_once(TEMPLATES_PATH . "/banner.php");
?>

<div class="container">
  <div class="col-md-12">
    <div class="panel panel-success">
      <div class="panel-heading">
        <h3 class="panel-title">A message from the Director</h3>
      </div>
```

```
      <div class="panel-body">Music comes from the sounds of
vibrations whizzing through the air to pleasure our ear senses –
Mika Williams Pinelands Music School founder<br><br>
Established in 2018, Pinelands Music School aims to educate the
young generation of all ages above 10 about the beauty of music and
instrument playing. We have a fabulous group of highly experienced
teaching staff, carefully selected by our founder Mika through a
rigorous hiring process. Our qualified teachers have years of
experience teaching common instruments such as but not limited to
the guitar, piano, cello, voice  and percussion. Our teachers can
also provide lessons on ethic instruments such as the Harmonium,
Tablas, Santurs and Vinas if desired, bringing the cultural aspect
of music to life in our classrooms. Students also have the options
to express interest in having a teacher with certain language skills
for international students or students with minimal English
abilities.<br><br>
Pinelands music school is open to children above the age of 10.
Registration can be done through our easy registration link above.
Don’t have an instrument? Not a problem! Registered students can
hire instruments through our instrument rental page.Think you’re
qualified to join our tremendously talented teaching staff? Contact
Mika through our contacts us page!
So come along and join our wonderous music school guaranteed to
provide joy in our lives through learning and musicality!
</div>
    </div>
  </div>
</div>

<?php
    require_once(TEMPLATES_PATH . "/footer.php");
?>
```

5.2.5.3 - Contact

```
<?php
$basename =
substr(strtolower(basename($_SERVER['PHP_SELF'])),0,strlen(basename(
$_SERVER['PHP_SELF']))-4);
require_once("../resources/config.php");
require_once(TEMPLATES_PATH . "/header.php");
require_once(TEMPLATES_PATH . "/banner.php");
?>
<div class="container">
  <div class="col-md-6">
    <div class="panel">
      <div class="panel-heading">
        <h3 class="panel-title">General Inquiries</h3>
      </div>
      <div class="panel-body" id="contactdet">
        <table class="table">
            <tbody>
              <tr>
                <td id="cellleft">Phone:</td>
                <td id="cellright">+88 6645 9985</td>
              </tr>
              <tr>
```

```
                <td id="cellleft">Email:</td>
                <td id="cellright">hello@pinelandmusic.com</td>
              </tr>
              <tr>
                <td id="cellleft">Fax:</td>
                <td id="cellright">+88 6645 9986</td>
              </tr>
              <tr>
                <td id="cellleft">Address:</td>
                <td id="cellright">68/798 Gumtree Road<br>
                  Pineland 6577<br>
                  Forest Country
                </td>
              </tr>
            </tbody>
          </table>
      </div>
    </div>
  </div>
  <div class="col-md-6">
    <div class="panel">
      <iframe width=100% height=600px frameborder="0"
style="border:0"
src="https://www.google.com/maps/embed/v1/place?q=place_id:ChIJKYImb
3eGk2sRMKje81qjAgU&key=AIzaSyDPgUfyiWPK76IytvsJ6-hfmEPOpl6NOLg"
allowfullscreen></iframe>
    </div>
  </div>
</div>
<?php
require_once(TEMPLATES_PATH . "/footer.php");
?>
```

5.2.5.4 - Log In

```
<?php
    $form = 'loginform';
    $basename =
substr(strtolower(basename($_SERVER['PHP_SELF'])),0,strlen(basename(
$_SERVER['PHP_SELF']))-4);
    require_once("../resources/config.php");
    require_once(TEMPLATES_PATH . "/header.php");
    require_once(TEMPLATES_PATH . "/banner.php");
    require_once(LIBRARIES_PATH . "/loginfunc.php");
?>
<form action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>"
method="POST" id="loginform">
  <div class="container" id="loginbox">
    <div class="panel" style="background-color: unset; -webkit-box-
shadow: unset; box-shadow: unset;">
      <div class="panel-body">
        <ul class="list-group">
         <li class="list-group-item"><h4>Username</h4></li>
         <li class="list-group-item"><input type="text"
name="username" placeholder = "username" required></li>
         <li class="list-group-item"><h4>Password</h4></li>
```

```
         <li class="list-group-item"><input type="password"
name="password" placeholder = "password" required></li>
         <li class="list-group-item"><input type="submit"
value="submit" form="loginform"></li>
         <li class="list-group-item" style="height: 45px"><hr
style="border-top: dotted 1px;" /></li>
         <li class="list-group-item" style="text-align: left;
border: 0px"><a href=#>Forgot Password</a></li>
         <li class="list-group-item" style="text-align: left;
border: 0px"><a href="register.php">Register Here</a></li>
        </ul>
      </div>
    </div>
  </div>
</form>
<?php
    require_once(TEMPLATES_PATH . "/footer.php");
?>
```

5.2.5.5 - Register

```
<?php
    $form = 'sturegform';
    $basename =
substr(strtolower(basename($_SERVER['PHP_SELF'])),0,strlen(basename(
$_SERVER['PHP_SELF']))-4);
    require_once("../resources/config.php");
    require_once(TEMPLATES_PATH . "/header.php");
    require_once(TEMPLATES_PATH . "/banner.php");
    require_once(LIBRARIES_PATH . "/registerfunc.php");
?>
<div class="container">
<form action="" name="regform" method="POST" id="regform">
  <div class="col-md-6">
    <div class="panel">
      <div class="panel-heading">
        <h3 class="panel-title">Student Information</h3>
      </div>
      <div class="panel-body" >
        <table class="table">
            <tbody>
              <tr>
                <td id="cellleft">First Name :</td>
                <td id="cellright">
                  <input required  type="text" name="firstname"
placeholder="Given Names">
                </td>
              </tr>
              <tr>
                <td id="cellleft">Last Name :</td>
                <td id="cellright">
                  <input required  type="text" placeholder="Family
Name" name="lastname">
                </td>
              </tr>
              <tr>
                <td id="cellleft">Username :</td>
```

```
                <td id="cellright">
                  <input required type="username" name="username"
placeholder="Username">
                </td>
              </tr>
              <tr>
                <td id="cellleft">Password :</td>
                <td id="cellright">
                  <input required type="password" name="password"
placeholder="Password">
                </td>
              </tr>
              <tr>
                <td id="cellleft">Date of Birth :<br><p class="text-
muted"> Under 18 will be required</br>to give parent
information<p></td>
                <td id="cellright">
                  <input required type="date" class="bday"
name="dob">
                </td>
              </tr>
              <tr>
                <td id="cellleft">Address :</td>
                <td id="cellright">
                  <textarea required rows="4" cols="30"
placeholder="" name="address">
                  </textarea></td>
              </tr>
              <tr>
                <td id="cellleft">Gender :</td>
                <td id="cellright"><input type="radio" name="gender"
value="male"> Male<br>
                  <input type="radio" name="gender" value="female">
Female<br>
                  <input type="radio" name="gender" value="other">
Other
                </td>
              </tr>
              <tr>
                <td id="cellleft">Phone Number :</td>
                <td id="cellright">
                  <input required type="tel" name="mobphone"
placeholder="Phone Number">
                </td>
              </tr>
              <tr>
                <td id="cellleft">Email :</td>
                <td id="cellright">
                  <input required type="email" name="email"
placeholder="Email">
                </td>
              </tr>
              <tr>
                <td id="cellleft">Facebook :</td>
                <td id="cellright">
                  <input type="url" name="fburl"
placeholder="Facebook URL">
```

```
                </td>
              </tr>
              <tr>
                <td id="cellleft">Instrument Hire :</td>
                <td id="cellright"> <select>
                  <!-- Change to list all available in DB !-->
                  <option value="" disabled selected>Select</option>
                  <option value="saxophone">saxophone</option>
                  <option value="trumpet">trumpet</option>
                  <option value="marraccas">marraccas</option>
                  <option value="triangle">triangle</option>
                </select> </td>
              </tr>
              <tr>
                <td id="cellleft">Has Own Instrument :</td>
                <td id="cellright">
                  <input type="checkbox" name="hasinst"
value="true">
                </td>
              </tr>
            </tbody>
          </table>

      </div>
    </div>
  </div>
  <div class="col-md-6 pinput" id="pinput">
    <div class="panel">
      <div class="panel-heading">
        <h3 class="panel-title">Parent Information</h3>
      </div>
      <div class="panel-body" >
        <table class="table">
            <tbody>
              <tr>
                <td id="cellleft">First Name :
                </td>
                <td id="cellright">
                  <input type="text" placeholder="Given Names"
name="pfname">
                </td>
              </tr>
              <tr>
                <td id="cellleft">Last Name :
                </td>
                <td id="cellright">
                  <input type="text" placeholder="Family Name"
name="plname">
                </td>
              </tr>
                <td id="cellleft">Phone Number :
                </td>
                <td id="cellright">
                  <input type="tel" name="ptel">
                </td>
              </tr>
              <tr>
```

```
                <td id="cellleft">Email :</td>
                <td id="cellright">
                  <input type="email" name="pemail">
                </td>
              </tr>
            </tbody>
          </table>
      </div>
    </div>
  </div>
  <div class="col-md-6">
    <div class="panel">
      <div class="panel-body" style="padding-top: 75px">
        <img src="img/logo.jpg" height=100% width=100%
style="border: 2px solid black">
      </div>
    </div>
  </div>
<input type="submit" class="btn btn-primary" value="submit"
form="regform">
</form>
</div>
<?php
    require_once(TEMPLATES_PATH . "/footer.php");
?>
```

5.2.5.6 – Register Response

```
<?php
    $basename = "Registration";
    require_once("../resources/config.php");
    require_once(TEMPLATES_PATH . "/header.php");
    require_once(TEMPLATES_PATH . "/banner.php");
?>
<div class="container">
  <div class="col-md-4">
    <div class="panel panel-success">
      <div class="panel-heading">
        <h3 class="panel-title">Click to Log In</h3>
      </div>
      <div class="panel-body">
        <a class="btn btn-primary" href="login.php">Log In</a>
      </div>
    </div>
  </div>
</div>
<?php
    require_once(TEMPLATES_PATH . "/footer.php");
?>
```

5.2.6 – Profile Page

```
<?php
    session_start();
    $basename = '-Name-';
    require_once("../../resources/config.php");
    require_once(TEMPLATES_PATH . "/header.php");
    require_once(TEMPLATES_PATH . "/banner.php");
    // Set the nav bar for usertype
    if (!isset($_SESSION["user"])) {
      header('Location: ../login.php');
    } else {
      if ($_SESSION["user"][0] == 'student') {
        require_once(TEMPLATES_PATH . "/studentnav.php");
        $_SESSION["user"][3] = "/studentnav.php";
      } elseif ($_SESSION["user"][0] == 'teacher') {
        require_once(TEMPLATES_PATH . "/teachernav.php");
        $_SESSION["user"][3] = "/teachernav.php";
      } elseif ($_SESSION["user"][0] == 'admin') {
        require_once(TEMPLATES_PATH . "/adminnav.php");
        $_SESSION["user"][3] = "/adminnav.php";
      }
    }
?>
<div class="container">
  <div class="panel">
    <h1>-Insert Profile-<br></h1><p><?php echo
print_r($_SESSION["user"])?></p>
  </div>
</div>
<?php
    require_once(TEMPLATES_PATH . "/footer.php");
?>
```

5.2.7 – Configuration PHP Script

```
<?php
defined("LIBRARIES_PATH")
or define("LIBRARIES_PATH", realpath(dirname(__FILE__) .
'/../resources/library'));

defined("TEMPLATES_PATH")
or define("TEMPLATES_PATH", realpath(dirname(__FILE__) .
'/../resources/templates'));

defined("IMAGES_PATH")
or define("IMAGES_PATH", '/img');

defined("INDEX_PATH")
or define("INDEX_PATH", '/');

defined("PROFILE_PATH")
or define("PROFILE_PATH", '/private_html');

defined("STUDENT_PATH")
or define("STUDENT_PATH", '/private_html/student');

defined("TEACHER_PATH")
or define("TEACHER_PATH", '/private_html/teacher');

defined("ADMIN_PATH")
or define("ADMIN_PATH", '/private_html/admin');

defined("STYLES_PATH")
or define("STYLES_PATH", '/css');

defined("JS_PATH")
or define("JS_PATH", '/js');

/*
    Error reporting.
*/
ini_set("error_reporting", "true");
error_reporting(E_ALL|E_STRCT);

?>
```

5.3 Project Integration

For the users to access the website, a website must first be implemented. The website allows users of any type to access information about the company, contact information, registration forms, and a login page. These public website pages act both as a tool for marketing for the organization as well as a portal for member to access their profiles.