

that correlate to them:

- Public (+)
- Private (-)
- Protected (#)
- Package (~)
- Derived (/)
- Static (underlined)

Each of these class diagram components shows the overall Class structure. Emphasizing the System's structure would be much easier by using these Class Diagram symbols.

### **Step 2: Determine the targeted users**

After the symbol familiarization, you'll need to determine your targeted users. Your targeted users will be the ones to use your project.

Your project is Student Management System for school, then your users would be the Staff, Admin and the students. You may ask them of the common activities that they do when doing task in student management. These information of the diagram with the next step.

### **Step 3: Analyse the activities included**

Analyzation is very important in creating a class diagram. It will help you understand the work of the diagram and avoid the unwanted errors.

### **Step 4: Plot the Class Diagram**

To plot the class diagram you will need the class name, its attributes, methods, and their access (visibility). You will base the diagram from the evaluated information to have the exact Class Diagram.

## **7. Develop Add Student Profile Page to store data into the database and develop a webpage to retrieve the student details based on the Roll Number or any unique ID.**

### **Admindash.php**

```
<?phprequire_once('../include/Session.php');?>

<?phprequire_once('../include/Functions.php');?>

<?php echo AdminAreaAccess(); ?>
```

```
<?php include('../header.php') ?>
```

```
<div class="header-section jumbotron">
```

```
    <div class="container">
```

```
        <div class="row">
```

```
            <div class="col-md-12">
```

```
                <h2 class="text-center">
```

```
                    WELCOME TO ADMIN DASHBOARD
```

```
                    <span><a href="logout.php" class="btn btn-success" style="float: right;">LOGOUT</a></span>
```

```
                </h2>
```

```
            </div>
```

```
        </div>
```

```
    </div>
```

```
</div>
```

```
<div class="admin-dashboard text-center">
```

```
<div class="container">
```

```
<div>
```

```
<div class="row">
```

```
<div class="col-md-6 col-md-offset-3 jumbotron" >
```

```
<a href="addstudent.php" class="btn btn-info btn-lg">INSERT STUDENT DETAIL</a><br><br>
```

```
<a href="updatestudent.php" class="btn btn-info btn-lg">UPDATE STUDENT DETAIL</a><br><br>
```

```
<a href="deletestudent.php" class="btn btn-info btn-lg">DELETE STUDENT DETAIL</a>
```

```
</div>
```

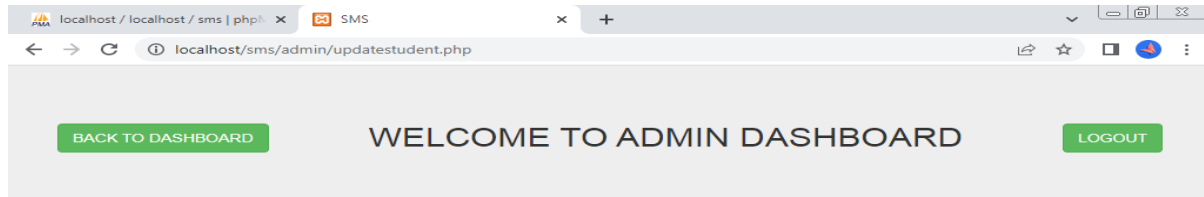
```
</div>
```

```
</div>
```

</div>

</div>

<?php include('../footer.php') ?>



localhost / localhost / sms | php | x SMS

localhost/sms/admin/updatestudent.php

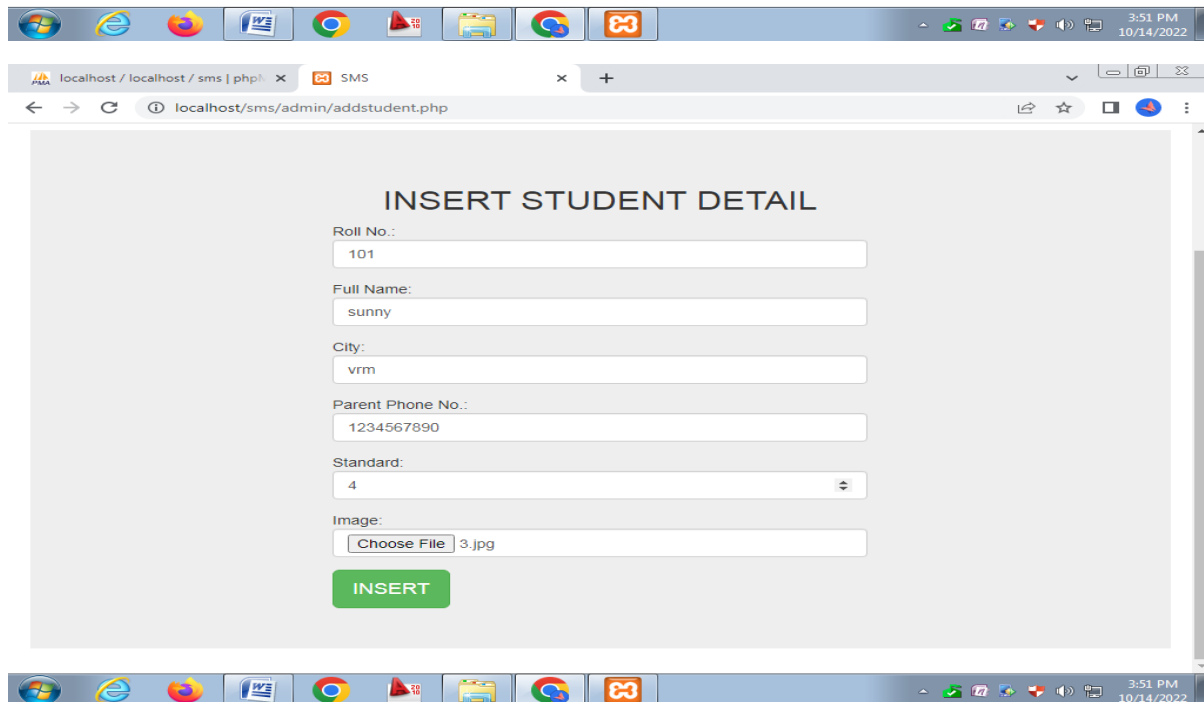
BACK TO DASHBOARD WELCOME TO ADMIN DASHBOARD LOGOUT

Choose Standard: Select SEARCH

### Update Student's Information

connected successfully

Roll No.	Standard	Full Name	City	parent phone No.	Profile Pic	Update
----------	----------	-----------	------	------------------	-------------	--------



localhost / localhost / sms | php | x SMS

localhost/sms/admin/addstudent.php

### INSERT STUDENT DETAIL

Roll No.: 101

Full Name: sunny

City: vrm

Parent Phone No.: 1234567890

Standard: 4

Image: Choose File 3.jpg

INSERT

**header.phpAdmin.php**

<div class="header-section jumbotron">

```

<div class="container">
    <div class="row">
        <div class="col-md-12">
            <h2 class="text-center">
                <span><a href="admindash.php" class="btn btn-success"
style="float: left;">BACK TO DASHBOARD</a><span>
                WELCOME TO ADMIN DASHBOARD
                <span><a href="logout.php" class="btn btn-success"
style="float: right;">LOGOUT</a><span>
            </h2>
        </div>
    </div>
</div>
</div>

```

### Updatestudent.php

```

<?php require_once('../include/Session.php');?>
<?php require_once('../include/Functions.php');?>
<?php echo AdminAreaAccess(); ?>

<?php include('../header.php') ?>
<?php include('admin.header.php') ?>
<div class="container">
    <div class="row">
        <div class="col-md-6 col-md-offset-3 jumbotron ">
            <div style="text-align: center;">
                <form action="<?php echo
htmlspecialchars($_SERVER["PHP_SELF"]);?>" method="post" enctype="multipart/form-data" >

```

```
Choose Standard: <select name="standard" class="btnbtn-info"
style="margin-right: 30px;">
    <option>Select</option>
    <option>1st</option>
    <option>2nd</option>
    <option>3rd</option>
    <option>4th</option>
    <option>5th</option>
</select>
<input type="submit" name="search" value="SEARCH"
class="btnbtn-success">
    </form>
</div>
</div>
</div>
```

```
<?php
echo ErrorMessage();
echo SuccessMessage();
?>
<table class="table table-bordered table-striped table-responsive">
    <h2 class="text-center">Update Student's Information</h2>
    <tr class="text-center">
        <th>Roll No.</th>
        <th>Standard</th>
        <th>Full Name</th>
        <th>City</th>
        <th>parent phone No.</th>
        <th>Profile Pic</th>
```

```
<th>Update</th>

</tr>

<?php
include('../dbcon.php');
if (isset($_POST['search'])) {

    $standard = $_POST['standard'];

    $sql = "SELECT * FROM `student` WHERE `standard` = '$standard'";

    $result = mysqli_query($conn,$sql);
    if (mysqli_num_rows($result)>0) {
        while ($DataRows = mysqli_fetch_assoc($result)) {
            $Id = $DataRows['id'];
            $RollNo = $DataRows['rollno'];
            $Name = $DataRows['name'];
            $City = $DataRows['city'];
            $Pcontact = $DataRows['pcontact'];
            $Standard = $DataRows['standard'];
            $ProfilePic = $DataRows['image'];
            ?>
            <tr class="text-center">
                <td><?php echo $RollNo;?></td>
                <td><?php echo $Standard;?></td>
                <td><?php echo $Name; ?></td>
                <td><?php echo $City; ?></td>
                <td><?php echo $Pcontact; ?></td>
```

```

        <td>

            <imgsrc="../../databaseimg/<?php echo
$ProfilePic;?>" alt="img"><br><br>

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

                <input type="file" name="updateimg"
style="float: left;" class="btn btn-info btn-sm">

                <input type="hidden" name="id"
value="<?php echo $Id; ?>">

                <input type="submit" name="submitimg"
value="UPDATE" class="btn btn-warning btn-sm" style="float: right;"><br>

            </form>

        </td>

        <td><a href="UpdateRecord.php?Update=<?php echo $Id;
?>" class="btn btn-warning">UPDATE</a></td>

    </tr>

<?php

    }

    } else {

        echo "<tr><td colspan ='7' class='text-center'>No Record
Found</td></tr>";

    }

}

?>

</table>

```

```
</div>
```

```
<div class="container">
```

```
    <div class="row">
```

```
        <div class="col-md-6 col-md-offset-3">
```

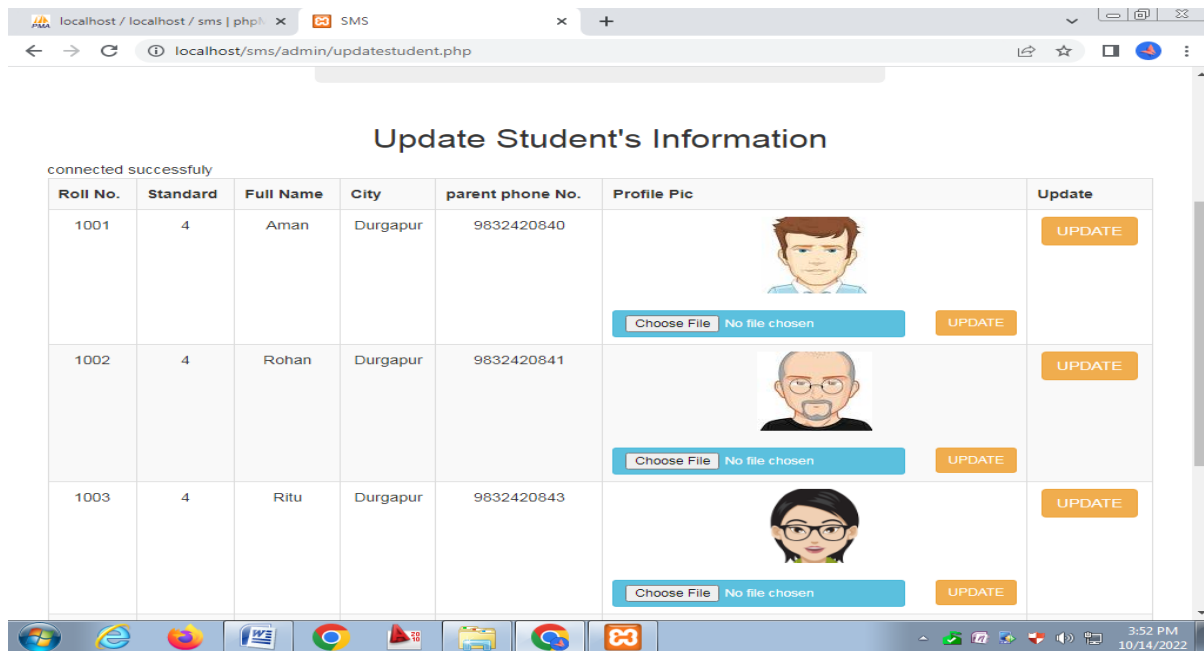
```
            <h2><?php echo @$_GET['updated']; ?></h2>
```

```
        </div>
```

```
    </div>
```

```
</div>
```

```
<?php include('../footer.php');?>
```



### Updateimage.php

```
<?phprequire_once('../include/Session.php');?>
```

```
<?phprequire_once('../include/Functions.php');?>
```

```
<?php include('../dbcon.php') ?>
```



```
<?php
```

```
if(isset($_POST['submitimg'])) {
```

```
    $ID = $_POST['id'];
```

```
    $imgName = $_FILES['updateimg']['name'];
```

```
    $imgTmpName = $_FILES['updateimg']['tmp_name'];
```

```
    $imgSize = $_FILES['updateimg']['size'];
```

```
    $imgError = $_FILES['updateimg']['error'];
```

```
    $imgExt = explode('.', $imgName);
```

```
    $actualFileExt = strtolower(end($imgExt));
```

```
    $allowed = array('jpg','jpeg','png','pdf');
```

```
    if (in_array($actualFileExt, $allowed)) {
```

```
        if ($imgError === 0) {
```

```
            if ($imgSize < 50000) {
```

```
                $fileDestination = '../databaseimg/'.$imgName;
```

```
                move_uploaded_file($imgTmpName, $fileDestination);
```

```
            } else {
```

```
                echo "file size is too big";
```

```
            }
```

```
        } else {
```

```
            echo "error while uploading your file";
```

```
        }
```

```
    } else {
```

```
        echo "you cannot upload files of this type";
```

```
}

if(empty($imgName)) {

$_SESSION['ErrorMessage'] = "Please Select
an Image First";

Redirect_to("updatestudent.php");

} else {

$_sql = "update student set image ='$imgName'
where id = '$ID' ";

$result = mysqli_query($conn,$sql);

if ($result) {

$_SESSION['SuccessMessage']
= "Image Updated Successfully";

Redirect_to("updatestudent.php");

}

}

?>
```

**8.Design and develop a User Authentication System using cookies, sessions, JWT, and SMS API. Also, identify which is suitable for your application.**

#### **Connection.php**

```
<?php

$servername="localhost";
```