

# STUDENT RECORD MANAGEMENT

Project Report

National Examination Board (NEB)  
Kathmandu, Nepal

**Submitted By:**

Name: Unish Rajak  
NEB Registration No.:

**Submitted to:**

National School of Sciences  
In partial fulfillment for the requirement of  
the award for the degree of  
School Leaving Certificate Examination  
(Grade XII)  
Computer Science  
Lainchour, Kathmandu 2023

CRUD Web App

Project Report on  
**“Student Record Management”**

Submitted in partial fulfillment  
of the requirements for the  
**School Leaving Certificate Examination (Grade XII)**  
**in Computer Science**

Submitted By:

**Unish Rajak**

**NEB Registration No.:**

Under the guidance of:

**Mr. Nava Raj Heka**

**National School of Sciences**

**Lainchaur, Kathmandu**



**National School of Sciences**

**Lainchaur, Kathmandu**

**2022-2023**



# CERTIFICATE

## FROM THE SUPERVISOR

This Certificate is Presented To :

*Unish Rajak*

This certification attests that the project report titled "Student Record Management" has been completed by Unish Rajak as part of the academic requirements for obtaining the School Leaving Certificate Examination (Grade XII), Computer Science from National School of Sciences. This project was carried out under my guidance and supervision. To the best of my knowledge, the work submitted is original and solely created by the candidate.

---

**SIGNATURE OF THE SUPERVISOR**

NAME: NAVA RAJ HEKKA

DESIGNATION: SUBJECT TEACHER

## **Acknowledgement**

I would like to take this opportunity to express my sincere gratitude to Mr. Nava Raj Heka, National School of Sciences, for his support and guidance throughout this project. His extensive knowledge and expertise in the field of computer science have been invaluable in shaping this project and enabling me to gain a deeper understanding of the subject matter.

Furthermore, I would like to acknowledge the internet as a source of reference that played a crucial role in completing this project work. The vast array of information and resources available online have been instrumental in shaping the outcome of this project.

I would also like to extend my heartfelt appreciation to my brothers for their invaluable support and assistance in fixing the bugs in the code. Their willingness to offer their expertise and knowledge has been a tremendous asset in completing this project.

Finally, I would like to express my gratitude to National School of Sciences, Lainchaur, Kathmandu for providing me with the opportunity to undertake this project work.

Unish Rajak

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## **Introduction**

This project is a CRUD (Create, Read, Update, Delete) web application developed using HTML, CSS, JavaScript, PHP, and MySQL database. The primary goal of this project is to manage student records efficiently. The application allows users to create, read, update, and delete student records stored in the database.

The web application includes a basic login/signup system that is also connected to the MySQL database. Users can create an account, log in, and access the student record management system. The login/signup system ensures data security and restricts unauthorized access to the system.

Overall, this project demonstrates the use of various web development technologies to create a functional and practical application for managing student records. The CRUD functionalities and login/signup system ensure ease of use and data security, making it a valuable tool for educational institutions.

## Objectives

The primary objective of this project is to develop a web-based application for managing student records in educational institutions. The application is designed to be user-friendly, efficient, and effective in managing student data. The following are the specific objectives of this project:

1. A user-friendly system for the management of student records, which includes basic CRUD operations on student records.
2. Implement a unique student ID for each student, to ensure accurate identification and retrieval of student records.
3. Develop a basic login and signup page that is connected to a database, ensuring the security and confidentiality of student records.
4. Use JavaScript to validate input forms to ensure the accuracy and consistency of data entered by the user.
5. Develop a system that is easy to use and requires minimal training for users.
6. Provide a scalable system that can accommodate a large number of student records and is flexible enough to allow for future modifications and improvements.

Overall, the project aims to demonstrate the use of various web development technologies to create a functional and practical application for managing student records. The project will focus on developing a user-friendly interface, a secure login/signup system, and a CRUD system for managing student data.

## **Feasibility Study**

### **Technical Feasibility:**

The technical feasibility of the project is high as all the required technologies, including HTML, CSS, JavaScript, PHP, and MySQL database, are readily available and widely used in web development. The project can be implemented using open-source technologies, which are easily accessible and require minimal cost. Moreover, the project is scalable and flexible, allowing educational institutions to customize the system to meet their unique needs.

### **Operational Feasibility:**

The operational feasibility of the project is also high. The project is designed to be user-friendly and intuitive, ensuring that users can easily navigate and manage student records. The CRUD system and login/signup system will enable educational institutions to manage student data efficiently, and the application will be scalable and flexible, allowing institutions to customize the system to meet their unique needs. The project will be tested and optimized to ensure that it meets the operational requirements of educational institutions.

### **Economic Feasibility:**

The economic feasibility of the project is also high. The project will be developed using open-source technologies, which require minimal cost. Moreover, the project is scalable and flexible, allowing educational institutions to customize the system to meet their unique needs. The application will be developed with a focus on efficiency and cost-effectiveness, ensuring that it is affordable for educational institutions.

In conclusion, the feasibility study indicates that the project is technically feasible, operationally feasible, and economically feasible. The project can be developed using readily available technologies, and the operational requirements of educational institutions can be met through the user-friendly interface, CRUD system, and login/signup system. Moreover, the project is economically viable, ensuring that it can be sustained in the long run.



# System Design

## Data Flow Diagram

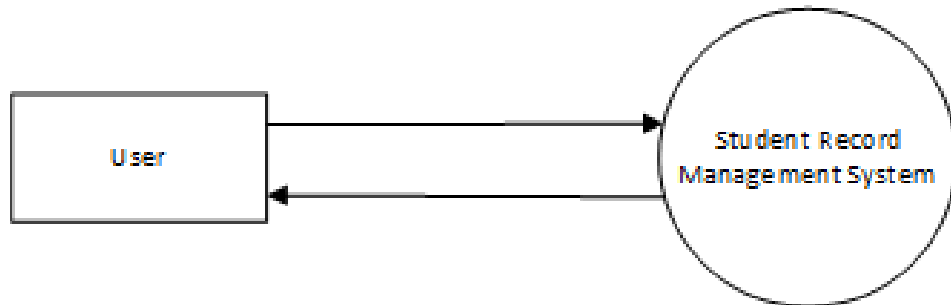


Fig 1.0: DFD Level 0

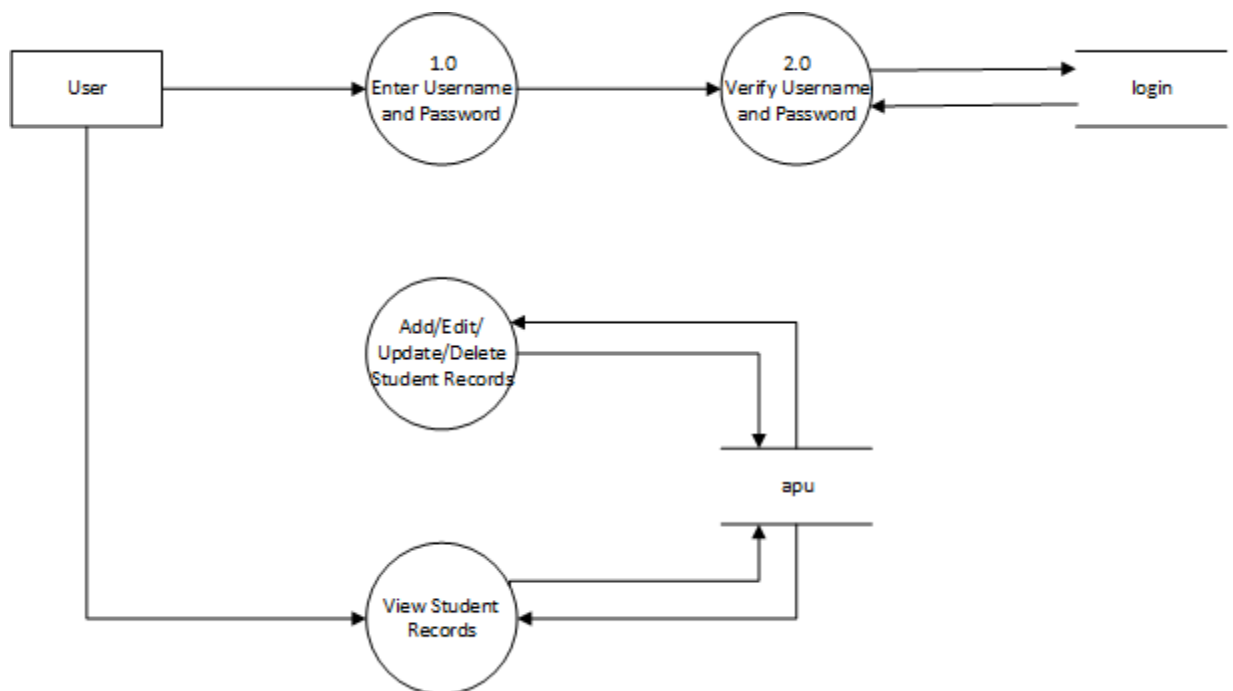


Fig 1.1: DFD Level 1

## Use Case Diagram

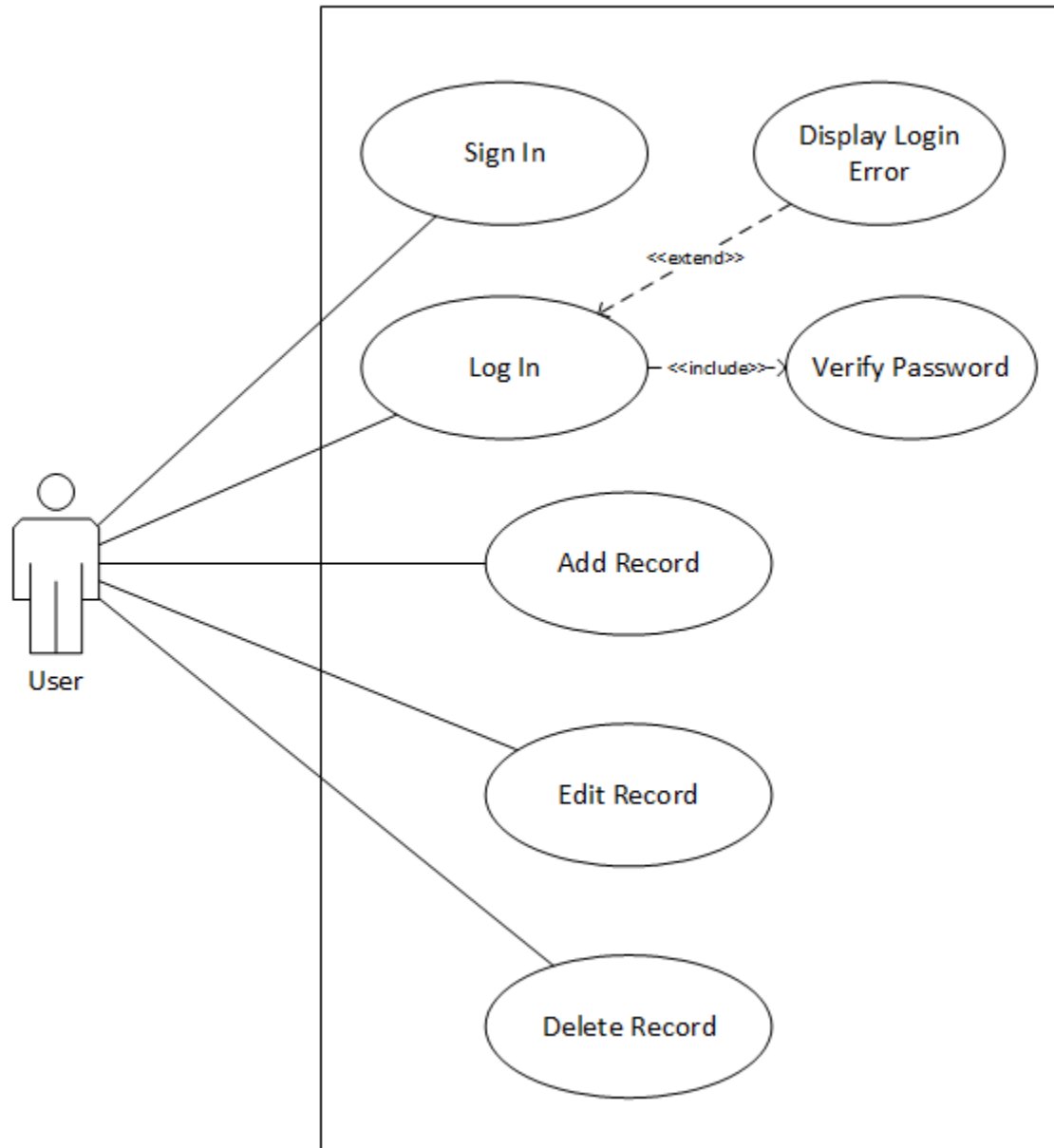


Fig 1.2: Use Case Diagram

## Program Code

### PHP

#### Config\config.php

```
<!-- ===== DATABASE CONNECTION FOR APU
===== -->
```

```
<?php
```

```
$databaseHost = 'localhost';
```

```
$databaseName = 'apu';
```

```
$databaseUsername = 'root';
```

```
$databasePassword = '';
```

```
// Host,username,password,dbname
```

```
$mysqli = mysqli_connect($databaseHost, $databaseUsername, $databasePassword,
$databaseName);
```

```
if ($mysqli) {
```

```
    //echo "connected";
```

```
} else {
```

```
    echo "error";
```

```
}
```

```
?>
```

#### Controller\edit.php

```
<!-- ===== RESPONSIBLE FOR THE EDITING OF THE RECORDS
===== -->
```

```
<?php
```

```

include "../config/config.php";

if (isset($_POST['editbutton'])) {
    // Variable Decleare Gareko
    $id = $_POST['id'];
    $name = $_POST['name'];
    $tpnumber = $_POST['tpnumber'];
    $address = $_POST['address'];
    $birthdate = $_POST['birthdate'];
    $email = $_POST['email'];

    $update = $mysqli->prepare("UPDATE students SET
name=?,tpnumber=?,address=?,birthdate=?,email=? where id =?");
    $update->bind_param("ssssss", $name, $tpnumber, $address, $birthdate, $email, $id);
    $result = $update->execute();
    if ($result) {
        // Update successful vayo vaney
        header("location: ../student/edit/?id=$id&message=success");
    } else {
        // update fail vayo vaney
        header("location: ../student/edit/?id=$id&message=sqlfail");
    }
} else {
    header("location: ../student/");
}

?>

```

### **Controller\input.php**

```

<!-- ===== RESPONSIBLE FOR ADDING RECORDS ===== -->

```

```

<?php
include "../config/config.php";

if (isset($_POST['newbutton'])) {
    $name = $_POST['name'];
    $tpnumber = $_POST['tpnumber'];
    $address = $_POST['address'];
    $birthdate = $_POST['birthdate'];
    $email = $_POST['email'];

    $update = $mysqli->prepare("INSERT INTO students(name, tpnumber, address,
birthdate, email) values(?, ?, ?, ?, ?)");
    $update->bind_param("sssss", $name, $tpnumber, $address, $birthdate, $email);
    $result = $update->execute();
    if ($result) {
        header("location: ../student/input/?message=success");
    } else {
        header("location: ../student/input/?message=sqlfail");
    }
} else {
    header("location: ../student/input/?message=specifydata");
}
?>

```

### **Controller\remove.php**

```

<!-- ===== RESPONSIBLE FOR THE DELETETION OF RECORDS
===== -->

```

```

<?php
include "../config/config.php";
if(isset($_GET['id'])){

```

```

$id=$_GET['id'];
$delete=$mysqli->prepare("DELETE from students where id=?");
$delete->bind_param('s',$id);
$result=$delete->execute();
if($result){
    header("location:../student/?message=deleted");
}else{
    header("location:../student/?message=fail");
}
}
?>

```

### **Student\index.php**

```

<!-- ===== MAIN PAGE ===== -->

<!DOCTYPE html>
<html>

<head>
    <title>Student Vault | Home | Unish Rajak</title>
    <link rel="stylesheet" href="mainpage.css">

</head>

<body>

    <div class="filter">
    </div>

```

```

<div class="wrapper">
    <div class="typing-demo">
        Student Record Management System
    </div>
</div>

<div>
    <a href="../login.php" class="button button3">Log out</a>
    <a href="input/index.php"> <button class="button button4"> Add new student
</button></a>
</div>

<table>
    <!-- HEADER -->
    <tr>
        <th>ID</th>
        <th>Name</th>
        <th>Birth Date</th>
        <th>Email</th>
        <th>Address</th>
        <th>Phone Number</th>
        <th>Actions </th>
    </tr>

    <!-- ISI -->
    <?php
require "../config/config.php";

    $retrieve = $mysqli->prepare("SELECT id, name, tpnumber, address, birthdate, email
FROM students");
    $retrieve->execute();

```

```

$retrieve->store_result();
$retrieve->bind_result($id, $name, $tpnumber, $address, $birthdate, $email);

if ($retrieve->num_rows > 0) {
    while ($row = $retrieve->fetch()) {

        ?>
        <tr>
            <td>
                <?php echo $id; ?>
            </td>
            <td>
                <?php echo $name; ?>
            </td>
            <td>
                <?php echo $birthdate; ?>
            </td>
            <td>
                <?php echo $email; ?>
            </td>
            <td>
                <?php echo $address; ?>
            </td>
            <td>
                +
                <?php echo $tpnumber; ?>
            </td>
            <td>
                <a href="../controller/remove.php?id=<?php echo $id; ?>"> <button class="button
button1"> Remove

```



```

        </button></a>

        <a href="edit/?id=<?php echo $id; ?>"> <button class="button button2"> Edit
</button></a>

    </td>

</tr>

<p class="khali">

    <?php }

} else {

    echo '<h4 style="margin-left:120px">EMPTY</h4>';

}

?>

</p>

</table>

<?php
if (isset($_GET['message'])) {
    if ($_GET['message'] == "deleted") {
        echo "<script>alert('Record Removed')</script>";
    } else {
        echo "<h4>Delete Error</h4>";
    }
}

?>

</div>

</body>

</html>

```

### Student\input\index.php

```
<!-- ===== Add Student page ===== -->
```

<!DOCTYPE html>

<html lang="en">

<head>

<title>My Webpage</title>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<link rel="stylesheet" href="input.css">

<script src="script.js"></script>

</head>

<body>

<div class="container">

<div>

<form method="POST" action="../../controller/input.php" name="inputForm"  
onsubmit="return validateForm()">

<div class="contact-box">

<div class="left"></div>

<div class="right">

<h2>Add Student</h2>

<input type="text" class="field" placeholder="Enter Name" name="name">

<input type="date" class="field" placeholder="Birthdate" name="birthdate">

<input type="email" class="field" placeholder="Email" name="email">

```

<input type="text" class="field" placeholder="Address" name="address">

    <input type="tel" class="field" placeholder="Phone Number (Eg: 977-
0123456789)" name="tpnumber"
        pattern="[0-9]{3}-[0-9]{10}">

    <span class="note">Format: XXX-XXXXXXXXXX</span>

</div>

<a href=".." class="btn">Home</a>

    <button type="submit" class="btn" name="newbutton"
value="submit">Submit</button>

</div>

</form>

<?php
if (isset($_GET['message'])) {
    if ($_GET['message'] == "success") {
        echo "<script>alert('Record Added')</script>";
    } else if ($_GET['message'] == "specifydata") {
        echo "<h4> EMPTY </h4>";
    } else {
        echo "<h4>Duplicate Entry </h4>";
    }
}

?>

</div>

</div>

</body>

</html>

```

## Student\edit\index.php

```
<!-- ===== Edit student page ===== -->

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Edit Student Data</title>

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link rel="stylesheet" href="edit.css">

</head>

<body>

    <div>

        <div class="container">

            <?php
            if (isset($_GET['id'])) {

                require "../config/config.php";

                $id = $_GET['id'];

                $retrieve = $mysqli->prepare("SELECT name, tpnumber, address, birthdate, email
FROM students WHERE id=?");

                $retrieve->bind_param("s", $id);

                $retrieve->execute();

                $retrieve->store_result();

                $retrieve->bind_result($name, $tpnumber, $address, $birthdate, $email);

                // rest of the code
```

```

if ($retrieve->num_rows == 1) {
    while ($row = $retrieve->fetch()) {

        ?>

        <form method="POST" action="../../../controller/edit.php">
            <div class="contact-box">
                <div class="left"></div>
                <div class="right">
                    <h2>Edit Student</h2>

                    <input type="text" class="field" value="<?php echo $id; ?>" name="id"
readonly>

                    <input type="text" class="field" placeholder="Enter Name" value="<?php
echo $name; ?>" name="name" required

                        on invalid="this.setCustomValidity('Enter your Name')" on
input="this.setCustomValidity('')">

                    <input type="date" class="field" placeholder="Birth date" value="<?php echo
$birthdate; ?>" name="birthdate"

                        required on invalid="this.setCustomValidity('Enter your Birth Date')" on
input="this.setCustomValidity('')">

                    <input type="email" class="field" placeholder="Email" value="<?php echo
$email; ?>" name="email" required on

                        invalid="this.setCustomValidity('Enter your Email')" on
input="this.setCustomValidity('')">

                    <input type="text" class="field" placeholder="Address" value="<?php echo
$address; ?>" name="address"

```

```
        required on invalid="this.setCustomValidity('Enter your Address')" on
input="this.setCustomValidity("")">
```

```
        <input type="tel" class="field" placeholder="Phone Number (Eg: 977-
0123456789)" value=<?php echo $tpnumber; ?> name="tpnumber" required on
invalid="this.setCustomValidity('Enter your Phone number')" on
```

```
        input="this.setCustomValidity("")">
```

```
        <span class="note">Format: XXX-XXXXXXXXXX</span>
```

```
    </div>
```

```
    <a href=".." class="btn">Home</a>
```

```
        <button type="submit" class="btn" name="editbutton"
value="submit">Submit</button>
```

```
    </div>
```

```
</form>
```

```
</div>
```

```
<?php }
```

```
}
```

```
} ?>
```

```
<?php
```

```
if (isset($_GET['message'])) {
```

```
    if ($_GET['message'] == "success") {
```

```
        echo "<script>alert('Record Edited')</script>";
```

```
    } else if ($_GET['message'] == "specifydata") {
```

```
        echo "<h4> EMPTY </h4>";
```

```
    } else {
```

```
        echo "<h4>Duplicate Name</h4>";
```

```
    }
```

```
}
```

```
?>
```

```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

### **connections.php**

```
<!-- ===== COnnection for login database ===== -->
```

```
<?php
```

```
$dbhost = "localhost";
```

```
$dbuser = "root";
```

```
$dbpass = "";
```

```
$dbname = "login";
```

```
if (!$con = mysqli_connect($dbhost, $dbuser, $dbpass, $dbname)) {
```

```
    die("failed to connect!");
```

```
}
```

### **functions.php**

```
<!-- ===== Creation of functions for login signup ===== -->
```

```
<?php
```

```
function check_login($con)
```

```
{
```

```
    if(isset($_SESSION['user_id']))
```

```

{

    $id = $_SESSION['user_id'];

    $query = "select * from users where user_id = '$id' limit 1";

    $result = mysqli_query($con,$query);
    if($result && mysqli_num_rows($result) > 0)
    {

        $user_data = mysqli_fetch_assoc($result);
        return $user_data;

    }
}

//redirect to login
header("Location: login.php");
die;

}

function random_num($length)
{

    $text = "";
    if($length < 5)
    {

        $length = 5;
    }

    $len = rand(4,$length);

```



```

    for ($i=0; $i < $len; $i++) {
        # code...

        $text .= rand(0,9);
    }

    return $text;
}

```

### **index.php**

```
<!-- For file redirection -->
```

```

<?php
header("location: student/")
?>

```

### **login.php**

```
<!-- ===== LOGIN PAGE ===== -->
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <title>Student Vault | Login</title>
```

```
    <link rel="stylesheet" href="login.css">
```

```
</head>
```

```
<body>
```

```

<?php
session_start();

include("connection.php");
include("functions.php");

if ($_SERVER['REQUEST_METHOD'] == "POST") {
    //something was posted
    $user_name = $_POST['user_name'];
    $password = $_POST['password'];

    if (!empty($user_name) && !empty($password) &&
!is_numeric($user_name)) {

        //read from database
        $query = "select * from users where user_name = '$user_name' limit
1";

        $result = mysqli_query($con, $query);

        if ($result) {
            if ($result && mysqli_num_rows($result) > 0) {

                $user_data = mysqli_fetch_assoc($result);

                if ($user_data['password'] === $password) {

                    $_SESSION['user_id'] =
$user_data['user_id'];

                    header("Location: index.php");

```

```

        die;
    }
}

echo "<script>alert('Wrong Username or Password')</script>";
} else {
    echo "<script>alert('Wrong Username or Password')</script>";
}
}

?>

```

```

<div class="container">
    <form method="post">
        <div class="contact-box">
            <div class="left"></div>
            <div class="right">
                <h2>Login</h2>
                <input id="text" class="field" type="text"
placeholder="Enter Username" name="user_name" required on
invalid="this.setCustomValidity('Enter your
Username')" on input="this.setCustomValidity("")">
                <input id="text" class="field" type="password"
placeholder="Enter Password" name="password" required
on invalid="this.setCustomValidity('Enter
your Password')" on
input="this.setCustomValidity("")">
                <input id="button" class="btn" type="submit"
value="Login"><br>
            </div>
            <a href="signup.php" class="field">Not a Member?</a>

```

```

        </div>
    </form>
</div>
</body>

</html>

```

### **logout.php**

```

<!-- ===== FOR FILE REDIRECTION ===== -->

<?php

session_start();

if (isset($_SESSION['user_id'])) {
    unset($_SESSION['user_id']);
}

header("Location: login.php");
die;

```

### **signup.php**

```

<!-- ===== SIGNUP PAGE ===== -->

<?php

session_start();

include("connection.php");

```

```

include("functions.php");

if ($_SERVER['REQUEST_METHOD'] == "POST") {
    //something was posted
    $user_name = $_POST['user_name'];
    $password = $_POST['password'];
    $email = $_POST['email'];

    if (!empty($email) && ($user_name) && !empty($password) &&
!is_numeric($user_name)) {

        //save to database
        $user_id = random_num(20);
        $query = "insert into users (user_id,user_name,password,email) values
('$user_id','$user_name','$password','$email)";

        mysqli_query($con, $query);

        header("Location: login.php");
        die;
    } else {
        echo "Please enter some valid information!";
    }
}
?>

<!DOCTYPE html>
<html>

```

```

<head>

    <title>Student Vault | Signup</title>

    <link rel="stylesheet" href="login.css">

</head>

<body>

    <div class="container">

        <form method="post">

            <div class="contact-box">

                <div class="contact-box">

                    <div class="left"></div>

                    <div class="right">

                        <h2>Sign-up</h2>

                        <input id="text" class="field" type="email"
placeholder="Enter your Email" name="email" required
                                on
invalid="this.setCustomValidity('Enter your Email')" on
                                input="this.setCustomValidity('')">

                            <input id="text" class="field" type="text"
placeholder="Enter Username" name="user_name"
                                required                                on
invalid="this.setCustomValidity('Enter your Username')" on
                                input="this.setCustomValidity('')">

                                <input id="text" class="field"
type="password" placeholder="Enter Password" name="password"
                                    required                                on
invalid="this.setCustomValidity('Enter your Password')" on
                                    input="this.setCustomValidity('')">

                                    <input id="button" class="btn"
type="submit" value="Signup"><br>

                                </div>

                                <a href="Login.php" class="field">Already have a
account?</a>

```

```

        </div>
    </div>
</form>
</div>
</body>

</html>

```

## CSS

**student\mainpage.css**

```

/* ===== TYPING ANIMATION
===== */

```

```

.wrapper {
    height: 15vh;
    overflow: hidden;
    display: grid;
    place-items: center
}

.typing-demo {
    width: 32.2ch;
    animation: typing 2s steps(22), blink .5s step-end infinite alternate;
    white-space: nowrap;
    overflow: hidden;
    border-right: 3px solid;
    font-family: monospace;
    font-size: 2em;
    color: black;
}

```

```
@keyframes typing {
  from {
    width: 0
  }
}
```

```
@keyframes blink {
  50% {
    border-color: transparent
  }
}
```

```
/* ===== TABLE ===== */
*{
  margin:0;
  padding: 0;
  outline: 0;
}
/* .filter{
  left: 0;
  top: 0;
  bottom: 0;
  right: 0;
  z-index: 1;
  height: 100vh;
  margin: 0%;
  background: rgb(151,86,237);;
```



```

background: linear-gradient(90deg, rgba(151,86,237,1) 0%, rgba(227,209,250,1) 100%);
filter:
progid:DXImageTransform.Microsoft.gradient(startColorstr="#e94ca1",endColorstr="#c
74ae9",GradientType=1);
opacity: .7;
} */

```

```

table{
margin-left:auto;
margin-right:auto;
margin-top:30px;
margin-bottom: 60px;
z-index: 2;
width: 85%;
border-collapse: collapse;
border-spacing: 0;
box-shadow: 0 2px 15px rgba(64,64,64,.7);

}
td , th{
padding: 15px 20px;
text-align: center;

}

```

```

th{
background-color: #ba68c8;
color: #fafafa;
font-family: 'Open Sans',Sans-serif;

```

```

font-weight: 200;
text-transform: uppercase;

}
tr{
width: 100%;
background-color: #fafafa;
font-family: 'Montserrat', sans-serif;
}
tr:nth-child(even){
background-color: #eeeeee;
}

```

```

/* =====
===== */

```

**BUTTON**

```

.button {
border: none;
color: white;
padding: 10px;
text-align: center;
text-decoration: none;
display: inline-block;
font-size: 13px;
margin: 4px 2px;
cursor: pointer;
}

.button4 {
position: absolute;
left: 77% ;

```

```

    border-radius: 30px;
    background-color: #950cde;
}
.button1 {
    border-radius: 30px;
    background-color: #D12C2C;
}
.button2 {
    border-radius: 30px;
    background-color: #D1D02A;
}
.button3 {
    position: relative;
    border-radius: 30px;
    background-color: #FF6F91;
    left: 87%;
}

```

### **student\input\input.css**

```

*{
    padding: 0;
    margin: 0;
    box-sizing: border-box;
    font-family: 'Quicksand', sans-serif;
}

body{
    height: 100vh;
    width: 100%;
}

```

```
.container{  
    position: relative;  
    width: 100%;  
    height: 100%;  
    display: flex;  
    justify-content: center;  
    align-items: center;  
    padding: 20px 100px;  
}
```

```
.container::after{  
    content: "";  
    position: absolute;  
    width: 100%;  
    height: 100%;  
    left: 0;  
    top: 0;  
    background: url("img/1.png") no-repeat center;  
    background-size: cover;  
    filter: blur(50px);  
    z-index: -1;  
}
```

```
.contact-box{  
    max-width: 850px;  
    display: grid;  
    grid-template-columns: repeat(2, 1fr);  
    justify-content: center;  
    align-items: center;  
    text-align: center;
```

```
background-color: #fff;
box-shadow: 0px 0px 19px 5px rgba(0,0,0,0.19);
}
```

```
.left{
background: url("img/1.png") no-repeat center;
background-size: cover;
height: 100%;
}
```

```
.right{
padding: 25px 40px;
}
```

```
h2{
position: relative;
padding: 0 0 10px;
margin-bottom: 10px;
}
```

```
h2:after{
content: "";
position: absolute;
left: 50%;
bottom: 0;
transform: translateX(-50%);
height: 4px;
width: 50px;
border-radius: 2px;
background-color: #950cde;
```

```
}
```

```
.field{  
  width: 100%;  
  border: 2px solid rgba(0, 0, 0, 0);  
  outline: none;  
  background-color: rgba(230, 230, 230, 0.6);  
  padding: 0.5rem 1rem;  
  font-size: 1.1rem;  
  margin-bottom: 22px;  
  transition: .3s;  
}
```

```
.field:hover{  
  background-color: rgba(0, 0, 0, 0.1);  
}
```

```
textarea{  
  min-height: 150px;  
}
```

```
.btn{  
  width: 100%;  
  padding: 0.5rem 1rem;  
  background-color: #950cde;  
  color: #fff;  
  font-size: 1.1rem;  
  border: none;  
  outline: none;  
  cursor: pointer;
```

```

        transition: .3s;
    }

    .btn:hover{
        background-color: #A55DCB;
    }

    .field:focus{
        border: 2px solid rgba(30,85,250,0.47);
        background-color: #fff;
    }

    @media screen and (max-width: 880px){
        .contact-box{
            grid-template-columns: 1fr;
        }
        .left{
            height: 200px;
        }
    }
}

student\edit\edit.css
*{
    padding: 0;
    margin: 0;
    box-sizing: border-box;
    font-family: 'Quicksand', sans-serif;
}

body{
    height: 100vh;
    width: 100%;

```

```
}
```

```
.container{  
    position: absolute;  
    width: 100%;  
    height: 100%;  
    display: flex;  
    justify-content: center;  
    align-items: center;  
    padding: 20px 100px;  
}
```

```
.container:after{  
    content: " ";  
    position: absolute;  
    width: 100%;  
    height: 100%;  
    left: 0;  
    top: 0;  
    background: url("1.png") no-repeat center;  
    background-size: cover;  
    filter: blur(50px);  
    z-index: -1;  
}
```

```
.contact-box{  
    max-width: 850px;  
    display: grid;  
    grid-template-columns: repeat(2, 1fr);  
    justify-content: center;  
    align-items: center;
```



```
    text-align: center;
    background-color: #fff;
    box-shadow: 0px 0px 19px 5px rgba(0,0,0,0.19);
}
```

```
.left{
    background: url("1.png") no-repeat center;
    background-size: cover;
    height: 100%;
}
```

```
.right{
    padding: 25px 40px;
}
```

```
h2{
    position: relative;
    padding: 0 0 10px;
    margin-bottom: 10px;
}
```

```
h2:after{
    content: ";
    position: absolute;
    left: 50%;
    bottom: 0;
    transform: translateX(-50%);
    height: 4px;
    width: 50px;
    border-radius: 2px;
```

```
background-color: #950cde;  
}
```

```
.field{  
  width: 100%;  
  border: 2px solid rgba(0, 0, 0, 0);  
  outline: none;  
  background-color: rgba(230, 230, 230, 0.6);  
  padding: 0.5rem 1rem;  
  font-size: 1.1rem;  
  margin-bottom: 22px;  
  transition: .3s;  
}
```

```
.field:hover{  
  background-color: rgba(0, 0, 0, 0.1);  
}
```

```
textarea{  
  min-height: 150px;  
}
```

```
.btn{  
  width: 100%;  
  padding: 0.5rem 1rem;  
  background-color: #950cde;  
  color: #fff;  
  font-size: 1.1rem;  
  border: none;  
  outline: none;
```

```

        cursor: pointer;
        transition: .3s;
    }

    .btn:hover{
        background-color: #A55DCB;
    }

    .field:focus{
        border: 2px solid rgba(30,85,250,0.47);
        background-color: #fff;
    }

    @media screen and (max-width: 880px){
        .contact-box{
            grid-template-columns: 1fr;
        }
        .left{
            height: 200px;
        }
    }

```

### **login.css**

```

*{
    padding: 0;
    margin: 0;
    box-sizing: border-box;
    font-family: 'Quicksand', sans-serif;
}

body{

```

```
height: 100vh;
width: 100%;
}

.container{
    position: relative;
    width: 100%;
    height: 100%;
    display: flex;
    justify-content: center;
    align-items: center;
    padding: 20px 100px;
}
```

```
.container::after{
    content: "";
    position: absolute;
    width: 100%;
    height: 100%;
    left: 0;
    top: 0;
    background: url("login.png") no-repeat center;
    background-size: cover;
    filter: blur(50px);
    z-index: -1;
}
```

```
.contact-box{
    max-width: 425px;
```

```
display: grid;
justify-content: center;
align-items: center;
text-align: center;
background-color: #fff;
box-shadow: 0px 0px 19px 5px rgba(0,0,0,0.19);
}
```

```
.right{
padding: 30px 40px;
}
```

```
h2{
position: relative;
padding: 0 0 10px;
margin-bottom: 10px;
}
```

```
h2:after{
content: "";
position: absolute;
left: 50%;
bottom: 0;
transform: translateX(-50%);
height: 4px;
width: 50px;
border-radius: 2px;
background-color: #950cde;
}
```

```
.field{  
    width: 100%;  
    border: 2px solid rgba(0, 0, 0, 0);  
    outline: none;  
    background-color: rgba(230, 230, 230, 0.6);  
    padding: 0.5rem 1rem;  
    font-size: 1.1rem;  
    margin-bottom: 22px;  
    transition: .3s;  
}
```

```
.field:hover{  
    background-color: rgba(0, 0, 0, 0.1);  
}
```

```
textarea{  
    min-height: 150px;  
}
```

```
.btn{  
    width: 100%;  
    padding: 0.5rem 1rem;  
    background-color: #950cde;  
    color: #fff;  
    font-size: 1.1rem;  
    border: none;  
    outline: none;  
    cursor: pointer;  
    transition: .3s;
```

```
}
```

```
.btn:hover{  
    background-color: #A55DCB;  
}
```

```
.field:focus{  
    border: 2px solid rgba(30,85,250,0.47);  
    background-color: #fff;  
}
```

```
@media screen and (max-width: 880px){  
    .contact-box{  
        grid-template-columns: 1fr;  
    }  
    .left{  
        height: 200px;  
    }  
}
```

## Javascript

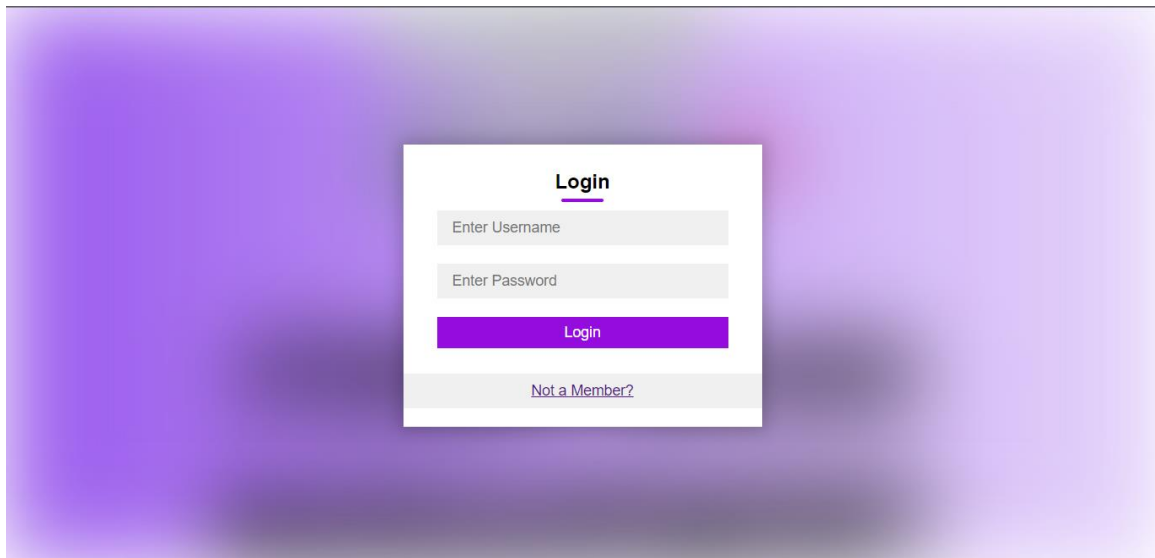
### student\input\script.js

```
function validateForm() {  
    // Get all the required input fields  
    var name = document.forms["inputForm"]["name"].value;  
    var birthdate = document.forms["inputForm"]["birthdate"].value;  
    var email = document.forms["inputForm"]["email"].value;  
    var address = document.forms["inputForm"]["address"].value;
```

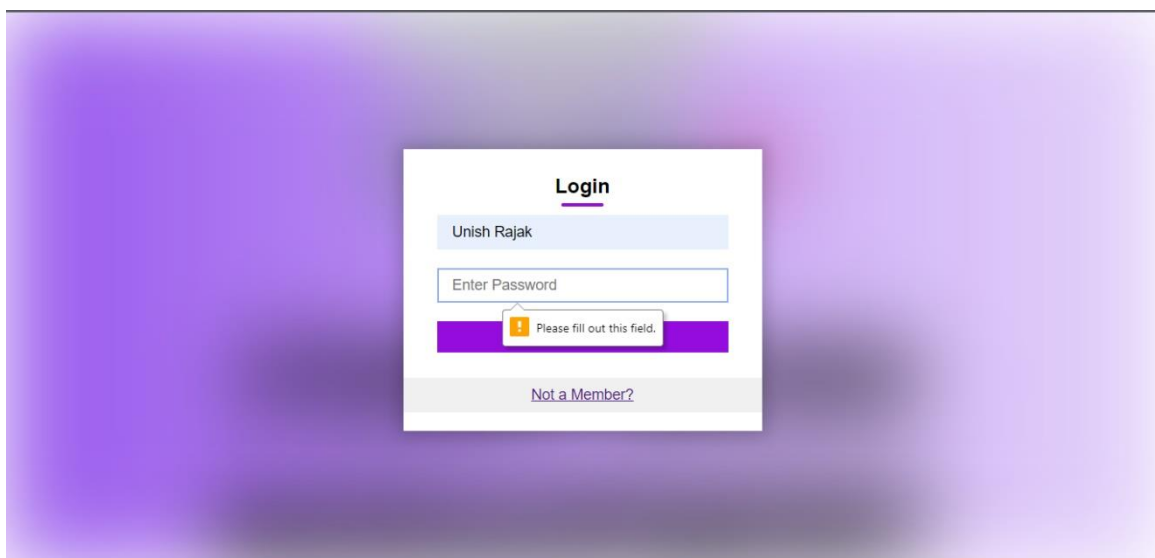
```
// Check if any of the required fields are empty
if (name == "" || birthdate == "" || email == "" || address == "") {
    alert("Please fill all the required fields.");
    return false; // Prevent form submission
}
}
```



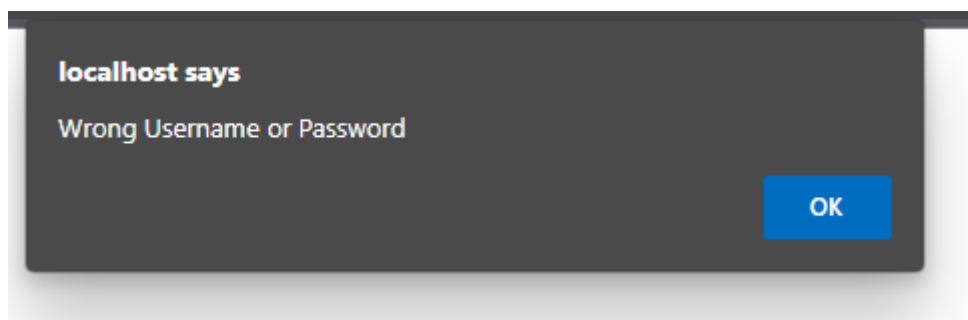
## Screenshots



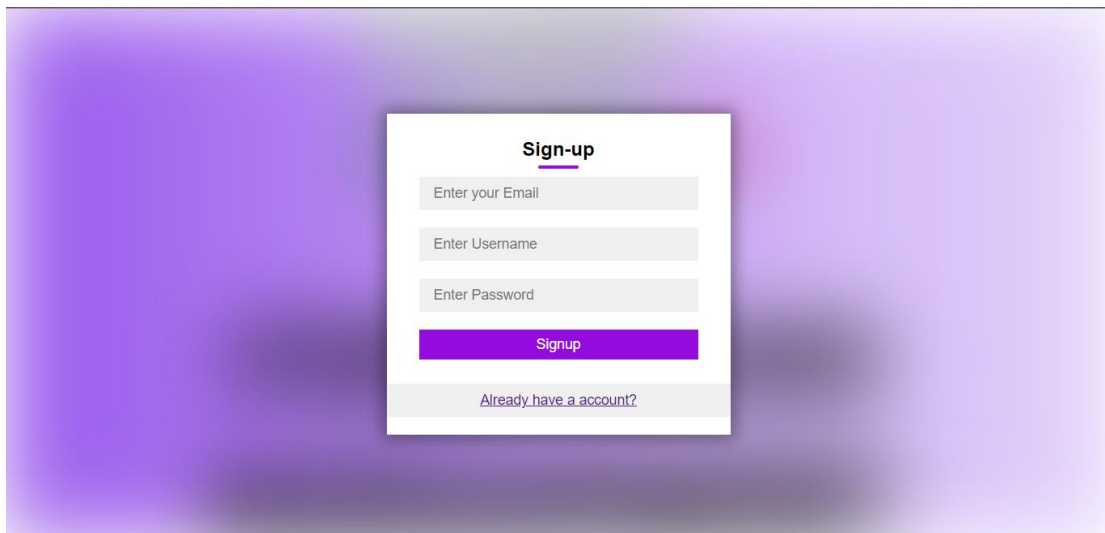
**Fig 2.1: Login Page**



**Fig 2.2: Empty field error message**

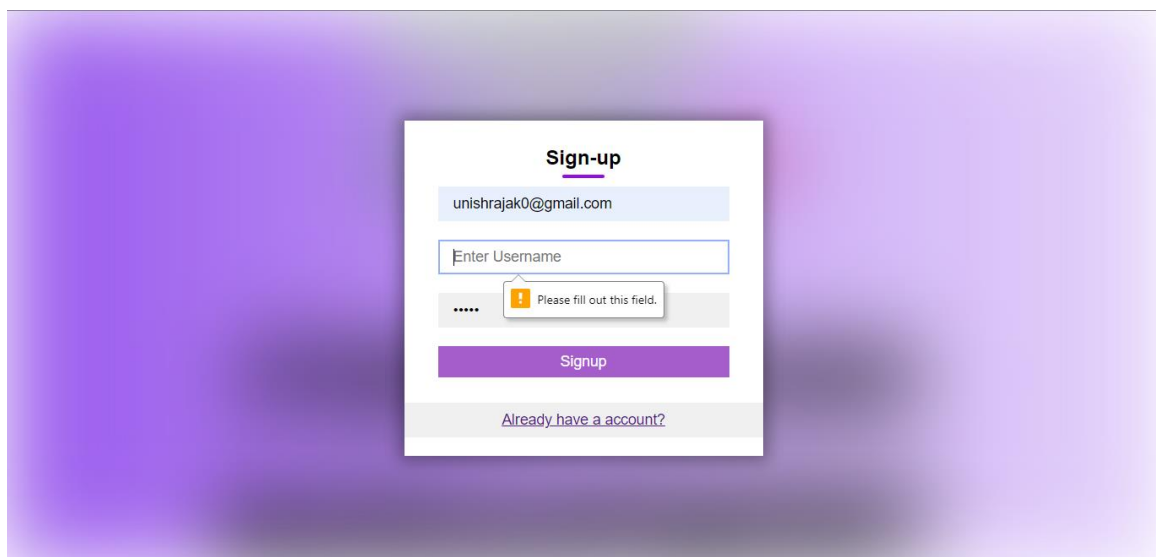


**Fig 2.3: Wrong Username or Password Error**



The image shows a sign-up form on a purple gradient background. The form is a white card with the title "Sign-up" in bold. It contains three input fields: "Enter your Email", "Enter Username", and "Enter Password". Below these fields is a purple "Signup" button. At the bottom of the card is a link that says "Already have a account?".

**Fig 2.4: Sign-up Page**



The image shows the same sign-up form as in Fig 2.4, but with an error. The "Enter Username" field is empty, and a yellow tooltip with an exclamation mark icon appears over it, containing the text "Please fill out this field.". The "Email" field now contains the text "unishrajak0@gmail.com". The "Password" field is masked with dots. The "Signup" button and the "Already have a account?" link are still present.

**Fig 2.5: Empty field error**

## Student Record Management System

Add new student Log out

ID	NAME	BIRTH DATE	EMAIL	ADDRESS	PHONE NUMBER	ACTIONS
187	Unish Rajak	2005-08-04	unishrajak0@gmail.com	Lainchaur, Kathmandu	+ 977-9769777530	<span>Remove</span> <span>Edit</span>
188	Emma Johnson	1980-12-17	emma.johnson@example.com	Kathmandu, Nepal	+ 977-9818164355	<span>Remove</span> <span>Edit</span>
189	Suman Lama	1996-11-06	sumanl@gmail.com	Bhaktapur, Nepal	+ 977-9841558522	<span>Remove</span> <span>Edit</span>
190	Prakash Shah	1974-06-13	prakashs@yahoo.com	Lalitpur, Nepal	+ 977-9841906239	<span>Remove</span> <span>Edit</span>

**Fig 2.6: Main Page**



Fig 2.7: Add Student page

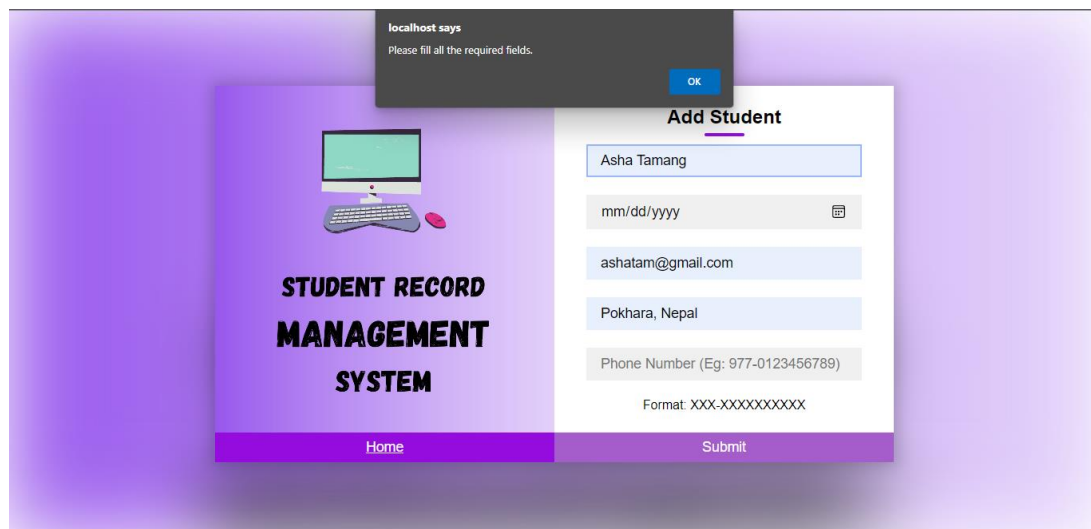


Fig 2.8: Empty Field Error

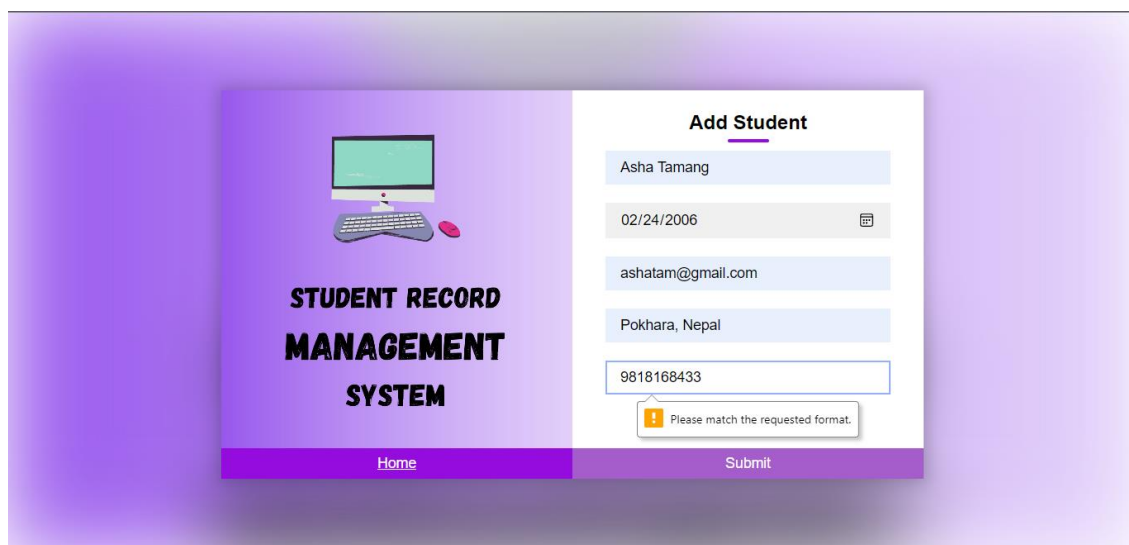


Fig 2.9: Phone Number Format Error



**Fig 3.0: Recorded Added Alert**

Student Record Management System

[Add new student](#)
[Log out](#)

ID	NAME	BIRTH DATE	EMAIL	ADDRESS	PHONE NUMBER	ACTIONS
187	Unish Rajak	2005-08-04	unishraja0@gmail.com	Lainchaur, Kathmandu	+ 977-9769777530	<a href="#" style="background-color: #f44336; color: white; padding: 2px 5px; border-radius: 5px;">Remove</a> <a href="#" style="background-color: #cddc39; color: white; padding: 2px 5px; border-radius: 5px;">Edit</a>
188	Emma Johnson	1980-12-17	emma.johnson@example.com	Kathmandu, Nepal	+ 977-9818164355	<a href="#" style="background-color: #f44336; color: white; padding: 2px 5px; border-radius: 5px;">Remove</a> <a href="#" style="background-color: #cddc39; color: white; padding: 2px 5px; border-radius: 5px;">Edit</a>
189	Suman Lama	1996-11-06	sumanl@gmail.com	Bhaktapur, Nepal	+ 977-9841558522	<a href="#" style="background-color: #f44336; color: white; padding: 2px 5px; border-radius: 5px;">Remove</a> <a href="#" style="background-color: #cddc39; color: white; padding: 2px 5px; border-radius: 5px;">Edit</a>
190	Prakash Shah	1974-06-13	prakashs@yahoo.com	Lalitpur, Nepal	+ 977-9841906239	<a href="#" style="background-color: #f44336; color: white; padding: 2px 5px; border-radius: 5px;">Remove</a> <a href="#" style="background-color: #cddc39; color: white; padding: 2px 5px; border-radius: 5px;">Edit</a>
192	Asha Tamang	2000-02-01	ashatam@gmail.com	Pokhara, Nepal	+ 977-9812365941	<a href="#" style="background-color: #f44336; color: white; padding: 2px 5px; border-radius: 5px;">Remove</a> <a href="#" style="background-color: #cddc39; color: white; padding: 2px 5px; border-radius: 5px;">Edit</a>

**Fig 3.1: Main Page after Record is Added**

## STUDENT RECORD MANAGEMENT SYSTEM

### Edit Student

Format: XXX-XXXXXXXXXX

[Home](#)
[Submit](#)

**Fig 3.2: Edit Student Page**

**STUDENT RECORD MANAGEMENT SYSTEM**

**Edit Student**

187

Enter Name

08/04/2005 Please fill out this field.

unishraja0@gmail.com

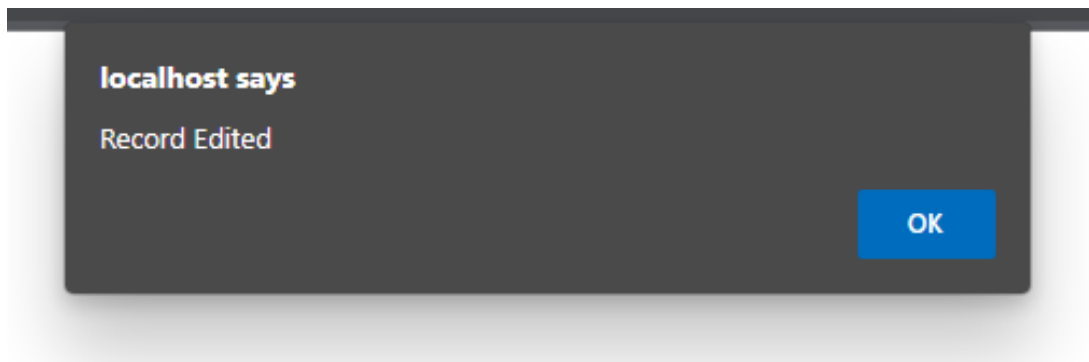
Lainchaur, Kathmandu

977-9769777530

Format: XXX-XXXXXXXXXX

Home Submit

**Fig 3.3: Empty field error**



**Fig 3.4: Record Edited Alert**

Student Record Management System

Add new student Log out

ID	NAME	BIRTH DATE	EMAIL	ADDRESS	PHONE NUMBER	ACTIONS
187	Unish Rzk	2005-08-04	unishraja0@gmail.com	Lainchaur, Kathmandu	+ 977-9769777530	Remove Edit
188	Emma Johnson	1980-12-17	emma.johnson@example.com	Kathmandu, Nepal	+ 977-9818164355	Remove Edit
189	Suman Lama	1996-11-06	sumanl@gmail.com	Bhaktapur, Nepal	+ 977-9841558522	Remove Edit
190	Prakash Shah	1974-06-13	prakashs@yahoo.com	Lalitpur, Nepal	+ 977-9841906239	Remove Edit
192	Asha Tamang	2000-02-01	ashatam@gmail.com	Pokhara, Nepal	+ 977-9812365941	Remove Edit

**Fig 3.5: Main Page After Record is Edited**



**Fig 3.6: Record Removed Alert**

Student Record Management System

[Add new student](#) [Log out](#)

ID	NAME	BIRTH DATE	EMAIL	ADDRESS	PHONE NUMBER	ACTIONS
187	Unish Rzk	2005-08-04	unishrajak0@gmail.com	Lainchaur, Kathmandu	+ 977-9769777530	<a href="#">Remove</a> <a href="#">Edit</a>
188	Emma Johnson	1980-12-17	emma.johnson@example.com	Kathmandu, Nepal	+ 977-9818164355	<a href="#">Remove</a> <a href="#">Edit</a>
189	Suman Lama	1996-11-06	sumani@gmail.com	Bhaktapur, Nepal	+ 977-9841558522	<a href="#">Remove</a> <a href="#">Edit</a>
194	Asha Tamang	1997-07-17	ashatam@gmail.com	Pokhara, Nepal	+ 977-9812365941	<a href="#">Remove</a> <a href="#">Edit</a>

**Fig 3.7: Main page after a Record is Removed**

## **Conclusion**

In conclusion, the student record management web application developed using HTML, CSS, JavaScript, PHP, and MySQL database is a comprehensive solution for educational institutions to manage student data. The application features a user-friendly interface, CRUD system, and login/signup system, which allows institutions to manage student data efficiently.

Through the feasibility study, we found that the project is technically feasible, operationally feasible, and economically feasible. The project can be developed using readily available technologies, and the operational requirements of educational institutions can be met through the user-friendly interface, CRUD system, and login/signup system. Moreover, the project is economically viable, ensuring that it can be sustained in the long run.

Overall, the student record management web application has the potential to revolutionize the way educational institutions manage student data. It can help institutions save time, reduce costs, and improve efficiency. With further development and customization, the application can be tailored to meet the specific needs of individual institutions. Therefore, we believe that the student record management web application is a valuable tool that can benefit educational institutions and students alike.

## References

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