

A dark blue vertical bar on the left side of the page. A blue arrow points to the right from the bar, containing the date.

8/20/2020

# Mahmood Yousaf

2018-uet-nml-cs-11

Several thin, curved lines in dark blue and light gray originate from the bottom left corner and curve upwards and to the right.

# Learning Management System Project

## ERD Diagram

(Due to some file size issues I am sharing my ERD diagram in Google drive link)

**[Click here to view ERD Diagram for Project](#)**

# Converting ERD into Relational Database Tables

learning management system admin
Name : varchar(255)
Aid : int(11)
Email : varchar(255)

learning management system teachers
Tid : int(11)
Name : varchar(255)
Email : varchar(255)

learning management system students
Std_id : int(11)
Name : varchar(255)
Email : varchar(255)

learning management system academic_details
acad_id : int(11)
current_cgpa : float
inter_marks_out_of_1100 : int(11)
matric_marks_out_1100 : int(11)

learning management system assignments
ass_id : int(11)
name : varchar(255)
details : text

learning management system attendance
attend_id : int(11)
status : varchar(255)
date : date

learning management system status
status_id : int(11)
name : varchar(255)

learning management system departments
department_id : int(11)
Name : varchar(255)

learning management system level
level_id : int(11)
name : varchar(255)

learning management system courses
Course_id : int(11)
Name : varchar(255)

learning management system personal_info
Personal_id : int(11)
age : int(4)
date_of_birth : date
Gender : varchar(255)

learning management system request
Req_id : int(11)
subject : varchar(255)
details : text

learning management system login
Log_id : int(11)
password : varchar(255)

learning management system result
result_id : int(11)
grades_cgpa : float

# Converting ERD into Relational Database Tables

learning management system admin_login
# Log_id : int(11)
Aid : int(11)

learning management system admin_personal_info
Aid : int(11)
# Personal_id : int(11)

learning management system allotted_courses_to_teachers
# teacher_id : int(11)
course_id : int(11)

learning management system assignments_details_for_students
# level_id : int(11)
ass_id : int(11)
# department_id : int(11)

learning management system manage_departments
Aid : int(11)
department_id : int(11)

learning management system manage_levels
Aid : int(11)
level_id : int(11)

learning management system manage_status
Aid : int(11)
status_id : int(11)

learning management system manage_students
Aid : int(11)
std_id : int(11)

learning management system registered_courses_students
# student_id : int(11)
# course_id : int(11)
registered_course_id : int(11)

learning management system registered_students
student_id : int(11)
# status_id : int(11)
# department_id : int(11)
# Level_id : int(11)

learning management system upload_assignment_by_teacher
# teacher_id : int(11)
ass_id : int(11)

learning management system review_requests_by_admin
Aid : int(11)
Req_id : int(11)
status : varchar(255)

learning management system update_result_by_teachers
# teacher_id : int(11)
result_id : int(11)

learning management system teacher_personal_info
teacher_id : int(11)
# Personal_id : int(11)

learning management system teacher_attendance
Aid : int(11)
# Teacher_id : int(11)
Attend_id : int(11)

learning management system submit_request_by_teacher
Req_id : int(11)
# Teacher_id : int(11)

learning management system student_results
student_id : int(11)
# result_id : int(11)

learning management system teacher_login
Log_id : int(11)
# Tid : int(11)

learning management system manage_teachers
--

learning management system student_academic_details
Student_id : int(11)
# acad_id : int(11)

learning management system student_attendance
# teacher_id : int(11)
# std_id : int(11)
Attend_id : int(11)

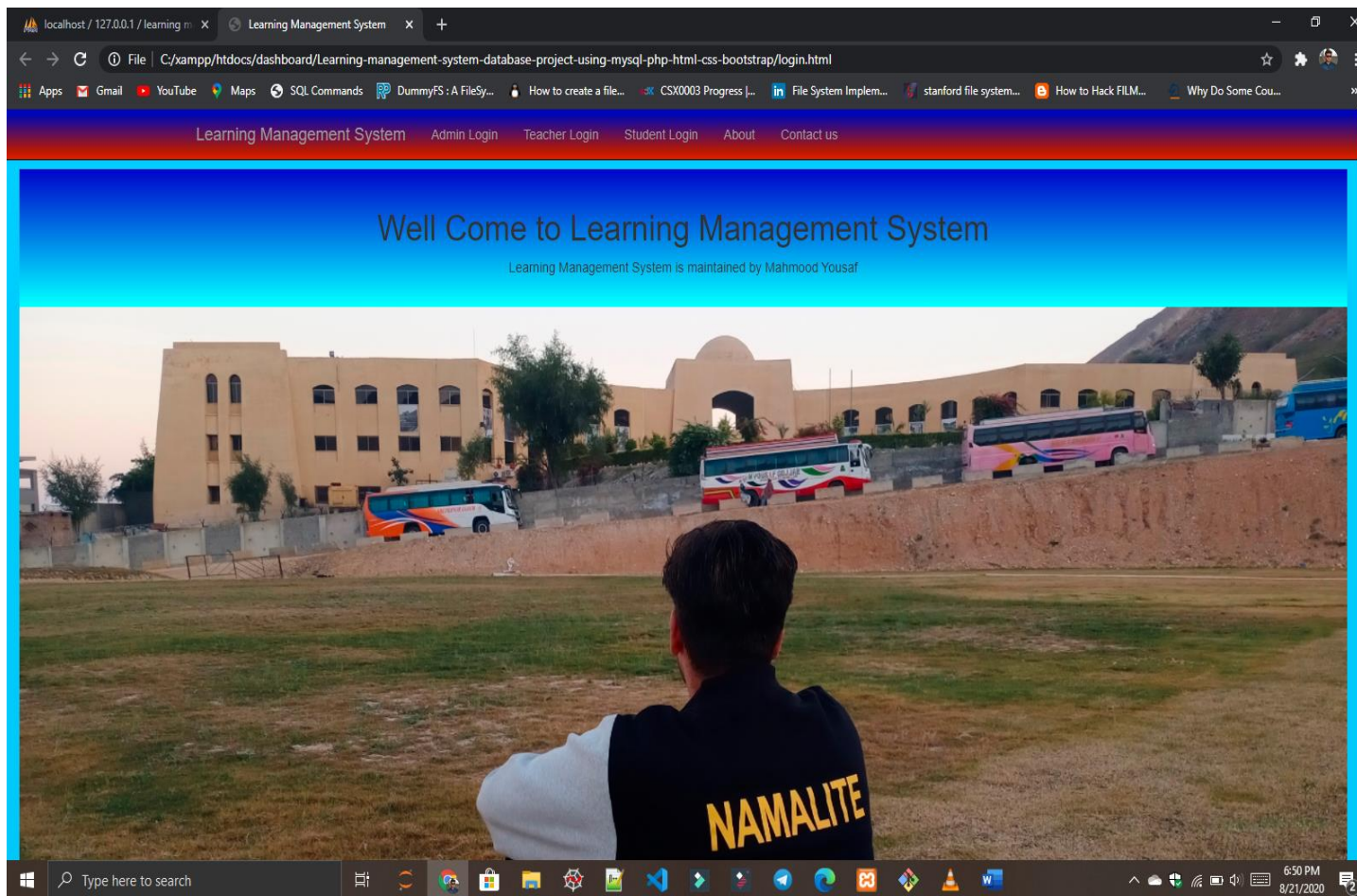
learning management system student_login
# Log_id : int(11)
Std_id : int(11)

learning management system submit_request_by_student
# student_id : int(11)
Req_id : int(11)

learning management system student_personal_info
std_id : int(11)
# Personal_id : int(11)

# Learning Management System Panel

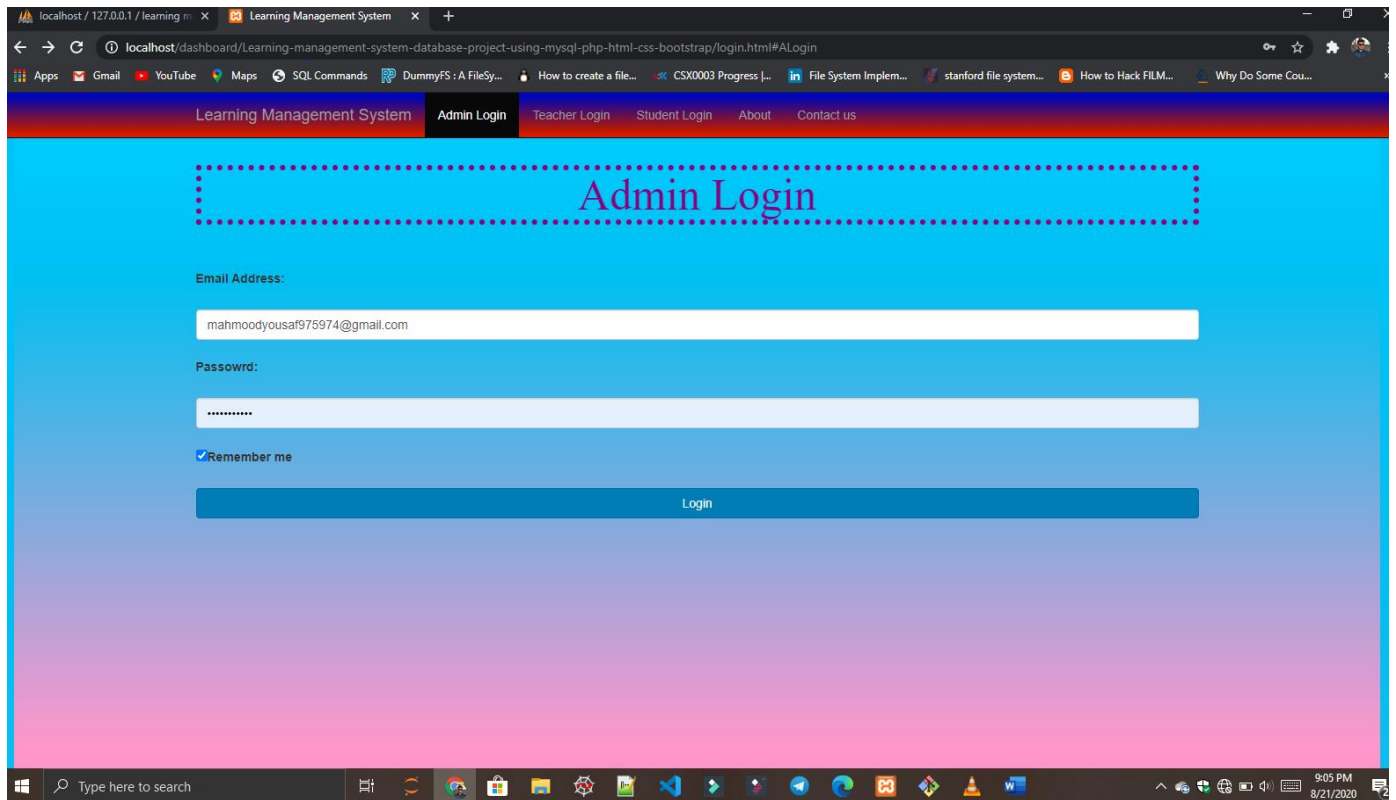
- Bootstrap 4 is used to design the UI for Learning Management System
- User will interact with navigation bar to further proceed



# Admin Module Implementation

## Admin Login

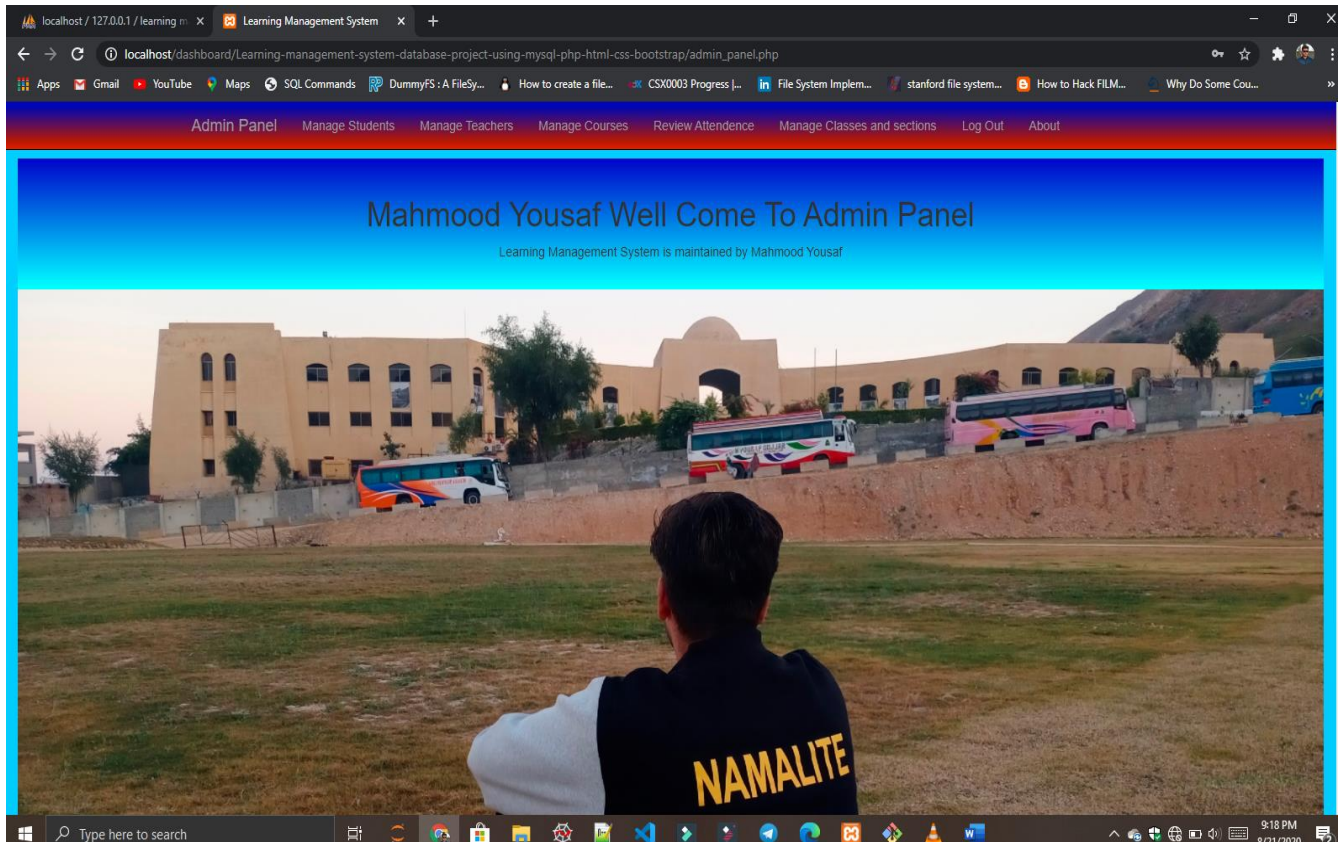
- When user click on Admin login button on navigation bar than scroll will down to Admin Login space automatically
- Scroll is under controlled by Navigation bar
- This login table is connected with admin\_login table in MySQL
- Admin\_login table is reference to Admin and Login table by foreign keys to validate the Admin
- Admin will provide Email and password to login LMS





## Admin Panel

- When Admin is login successfully than admin is redirected to panel
- Admin can manage students, teachers, attendance, courses, class and section by using Navigation bar
- When admin clicks to any button than scroll is down to required space because Scroll is controlled by Navigation bar



## Manage Students

- When Admin clicks on Manage Students than scroll will down automatically to manage students space
- Admin can add students, display all students, delete any student record and search any student record
- Manage student is connected manage\_student table in MYSQL database

## Add student record

- To add student record in student table. Insert query is used to add record in student table
- Provide all required values to form than after click button form PHP will manage to run insert query in database

localhost / 127.0.0.1 / learning m... x Learning Management System x +

localhost / dashboard / Learning-management-system-database-project-using-mysql-php-html-css-bootstrap / admin\_panel.php#5manage

Admin Panel Manage Students Manage Teachers Manage Courses Review Attendance Manage Classes and sections Log Out About

## Manage Students

### Add Student

Student Name:  
Enter Student name

Email Address:  
Enter email address

Student Id:  
Enter id for student

Class Id:  
Enter id for class

Section Id:  
Enter id for section

Personal Id:  
Enter Personal id for student

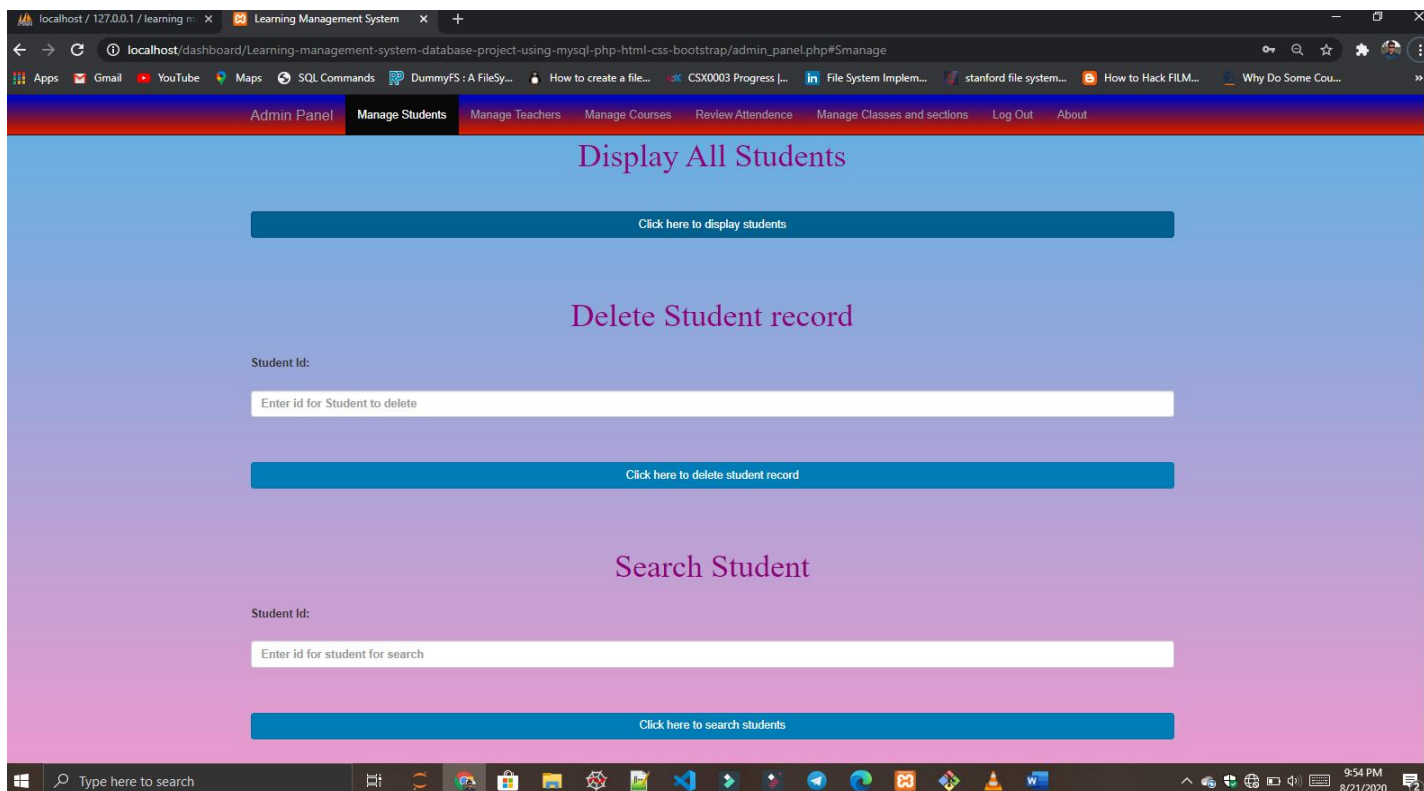
Age:  
Enter age for student

Date of Birth:



## Display, delete and search student records

- This view is connected to manage\_student table to display, delete and search students in table
- When Admin clicks on button than form data is send to PHP to process the data and run query



# Manage Teachers

- When Admin clicks on Manage Teachers than scroll will down automatically to manage teacher space
- Admin can add teachers, display all teachers, delete any teacher record and search any teacher record
- Manage teachers is connected manage\_teachers table in MYSQL database

## Add teacher record

- To add teacher record in teacher table. Insert query is used to add record in teacher table
- Provide all required values to form than after click button form PHP will manage to run insert query in database

localhost / 127.0.0.1 / learning m... X Learning Management System X +

localhost/dashboard/Learning-management-system-database-project-using-mysql-php-html-css-bootstrap/admin\_panel.php#Tmanage

Apps Gmail YouTube Maps SQL Commands DummyFS : A FileSy... How to create a file... CSX0003 Progress |... File System Implem... stanford file system... How to Hack FILM... Why Do Some Cou...

Admin Panel Manage Students **Manage Teachers** Manage Courses Review Attendance Manage Classes and sections Log Out About

**Manage Teachers**

**Add Teacher**

Teacher Name:  
Enter teacher name

Email Address:  
Enter email address

Teacher Id:  
Enter id for teacher

Personal Id:  
Enter Personal id for Teacher

Age:  
Enter age for student

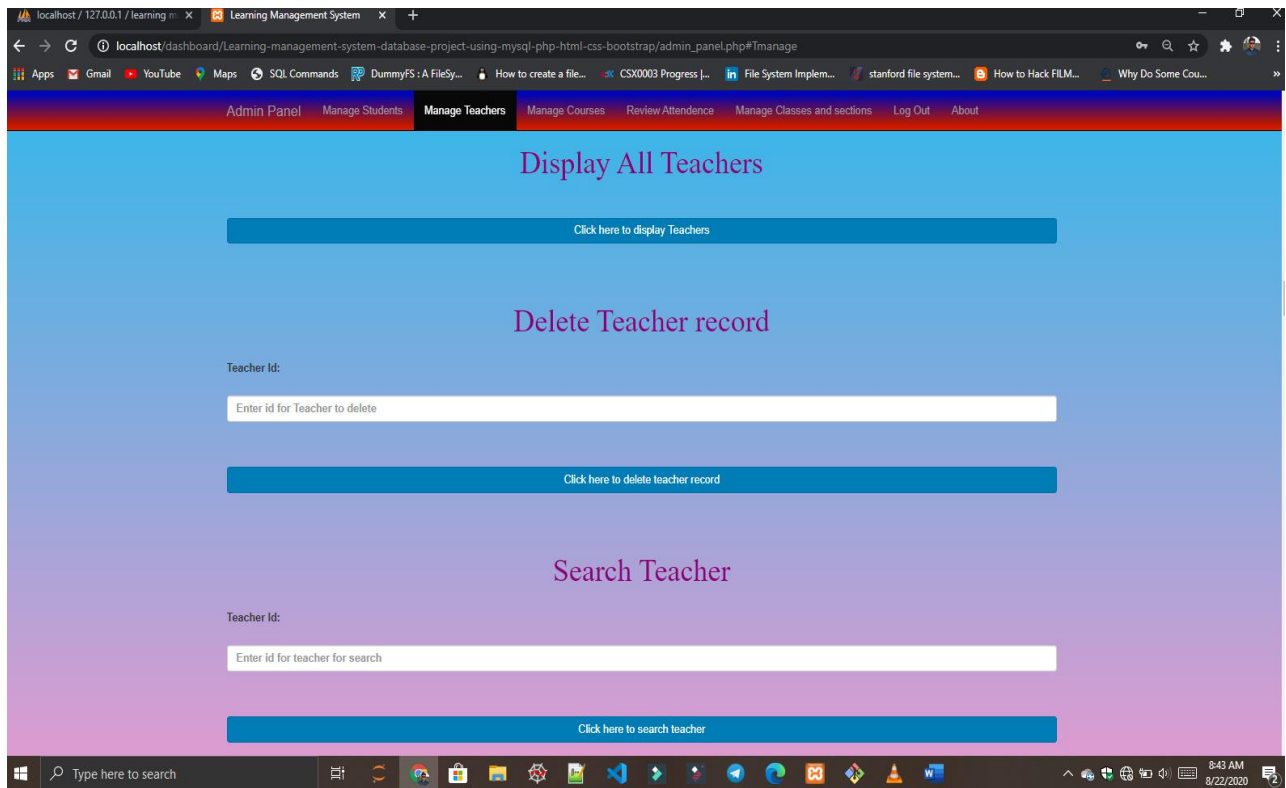
Date of Birth:  
mm/dd/yyyy

Gender:  
Enter Gender for section

Click here to add Teacher

## Display, delete and search teacher records

- This view is connected to manage\_teacher table to display, delete and search teacher in table
- When Admin clicks on button than form data is send to PHP to process the data and run query

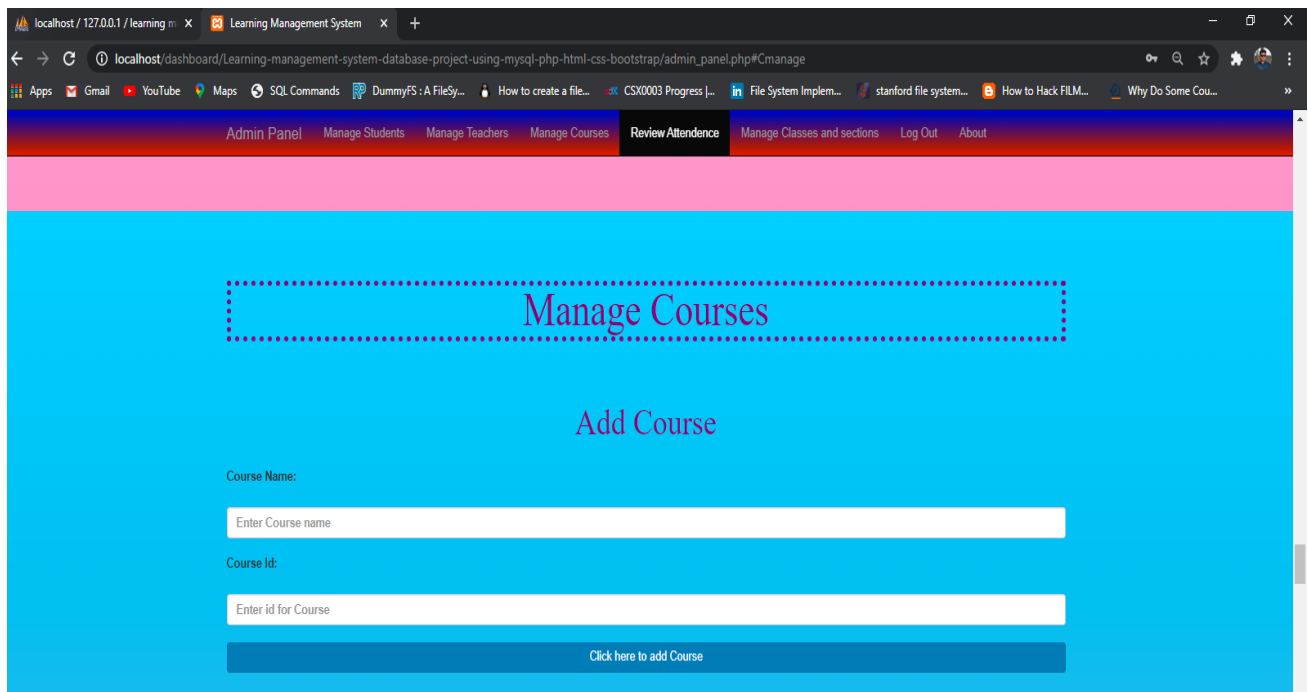


# Manage Courses

- When Admin clicks on Manage Courses than scroll will down automatically to manage Courses space
- Admin can add Course, display all Courses, delete any Course record and search any Course record
- Manage Courses is connected manage\_Courses table in MYSQL database

## Add Course record

- To add Course record in Course table. Insert query is used to add record in Course table
- Provide all required values to form than after click button form PHP will manage to run insert query in database



The screenshot shows a web browser window with the URL `localhost/dashboard/Learning-management-system-database-project-using-mysql-php-html-css-bootstrap/admin_panel.php#Cmanage`. The browser's address bar and tabs are visible at the top. Below the browser window, there is a navigation bar with the following links: [Admin Panel](#), [Manage Students](#), [Manage Teachers](#), [Manage Courses](#) (which is highlighted), [Review Attendance](#), [Manage Classes and sections](#), [Log Out](#), and [About](#). The main content area has a light blue background. At the top of this area, the text "Manage Courses" is displayed in a large, purple, serif font, enclosed in a dashed purple rectangular box. Below this, the text "Add Course" is displayed in a smaller, purple, serif font. Underneath, there are two form fields: the first is labeled "Course Name:" and contains the placeholder text "Enter Course name"; the second is labeled "Course Id:" and contains the placeholder text "Enter id for Course". At the bottom of the form, there is a solid blue button with the text "Click here to add Course" in white.

## Display, delete and search Course records

- This view is connected to manage\_course table to display, delete and search Courses in table
- When Admin clicks on button than form data is send to PHP to process the data and run query

localhost / 127.0.0.1 / learning m... X Learning Management System X +

localhost/dashboard/Learning-management-system-database-project-using-mysql-php-html-css-bootstrap/admin\_panel.php#Cmanage

Apps Gmail YouTube Maps SQL Commands DummyFS : A FileSy... How to create a file... CSX0003 Progress J... File System Implem... stanford file system... How to Hack FILM... Why Do Some Cou...

Admin Panel Manage Students Manage Teachers **Manage Courses** Review Attendance Manage Classes and sections Log Out About

### Display Courses

Click here to display Courses

### Delete Course

Course Id:

Enter id for course to delete

Click here to delete course

### Search Course

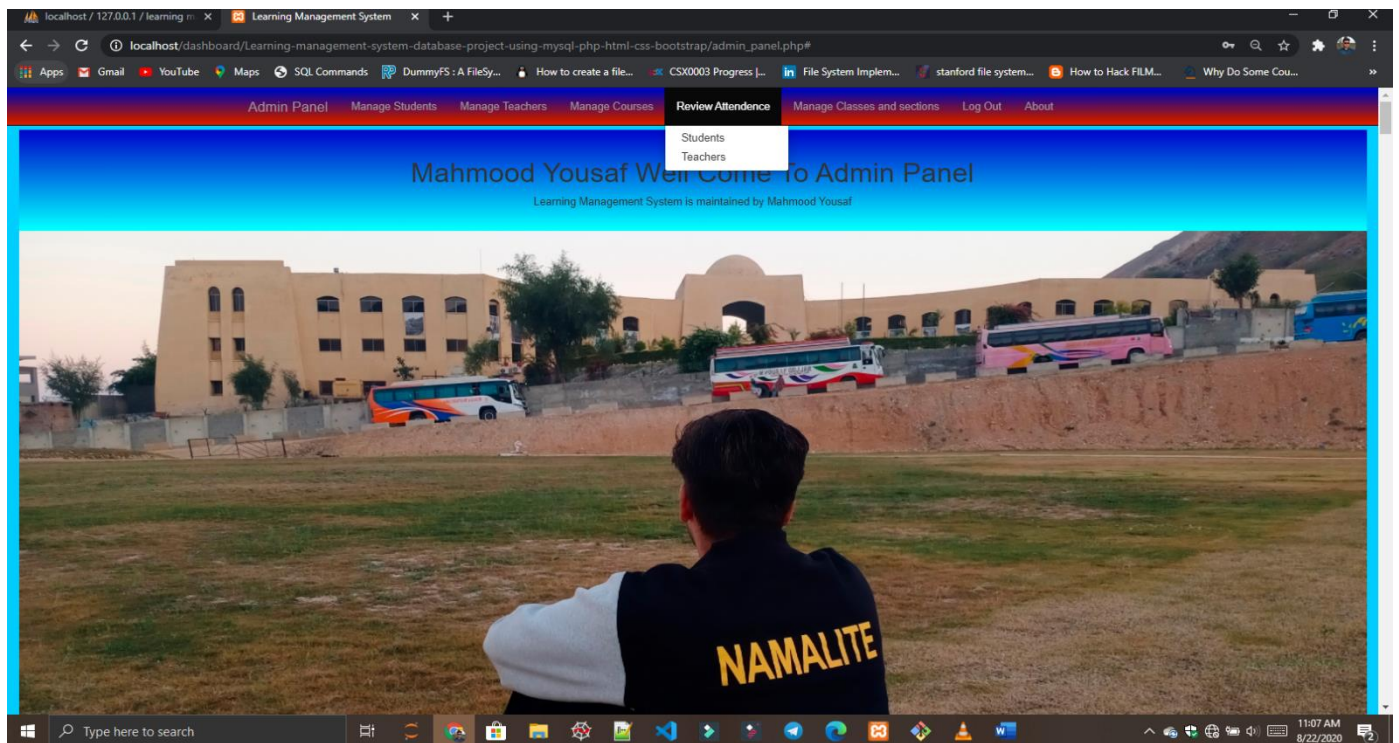
Class Id:

Enter id for course for search

Click here to search course

# Review Attendance

- When Admin clicks on Review Attendance then it contain dropdown menu
- Dropdown menu have Students and Teachers Section





# Review Student Attendance

- When Admin clicks on Student in dropdown menu
- Scroll will down automatically to Student Attendance Review space
- Admin can update any student attendance, delete any student attendance and Search any student attendance
- Review Student Attendance is connected to student\_attendance table in database MYSQL

The screenshot shows a web browser window with the URL `localhost / 127.0.0.1 / learning m x Learning Management System x + localhost/dashboard/Learning-management-system-database-project-using-mysql-php-html-css-bootstrap/admin_panel.php#Attend_students`. The browser's address bar and tabs are visible at the top. Below the browser window, there is a navigation bar with the following links: [Admin Panel](#), [Manage Students](#), [Manage Teachers](#), [Manage Courses](#), [Review Attendance](#) (which is highlighted), [Manage Classes and sections](#), [Log Out](#), and [About](#).

The main content area has a light blue background. At the top, there is a section titled "Student Attendance Review" enclosed in a dashed red border. Below this, the text "Update Attendance" is displayed in a large, bold, purple font. Underneath, there are two input fields: "Attendance Id:" with a placeholder "Enter attendance id" and "Status:" with a placeholder "Enter status Absent or present". Below these fields is a blue button labeled "Click here to update attendance".

Below the update section, there is another section titled "Search for Student Attendance" in a large, bold, purple font. Underneath, there are two input fields: "Student id:" with a placeholder "Enter Student id" and "Attendance Date:".

The Windows taskbar is visible at the bottom of the screen, showing the search bar, task view button, and several application icons. The system clock in the bottom right corner indicates the time is 11:17 AM on 8/22/2020.

# Review Teacher Attendance

- When Admin clicks on Teacher in dropdown menu
- Scroll will down automatically to Teacher Attendance Review space
- Admin can update any Teacher attendance, delete any Teacher attendance and Search any Teacher attendance
- Review Teacher Attendance is connected to teacher\_attendance table in database MYSQL

The screenshot shows a web browser window with the URL `localhost/127.0.0.1/learning-management-system-database-project-using-mysql-php-html-css-bootstrap/admin_panel.php#Attend_teachers`. The page has a navigation bar with links: Admin Panel, Manage Students, Manage Teachers, Manage Courses, Review Attendance (active), Manage Classes and sections, Log Out, and About. The main content area has a light blue background and features a section titled "Teacher Attendance Review" enclosed in a red dotted border. Below this title, there are two main sections: "Update Attendance" and "Search for Teacher Attendance". The "Update Attendance" section includes a form with two input fields: "Attendance Id:" and "Status:", followed by a blue button labeled "Click here to update attendance". The "Search for Teacher Attendance" section includes a form with two input fields: "Teacher Id:" and "Attendance Date:". The Windows taskbar at the bottom shows the time as 11:20 AM on 8/22/2020.

Teacher Attendance Review

Update Attendance

Attendance Id:

Status:

Click here to update attendance

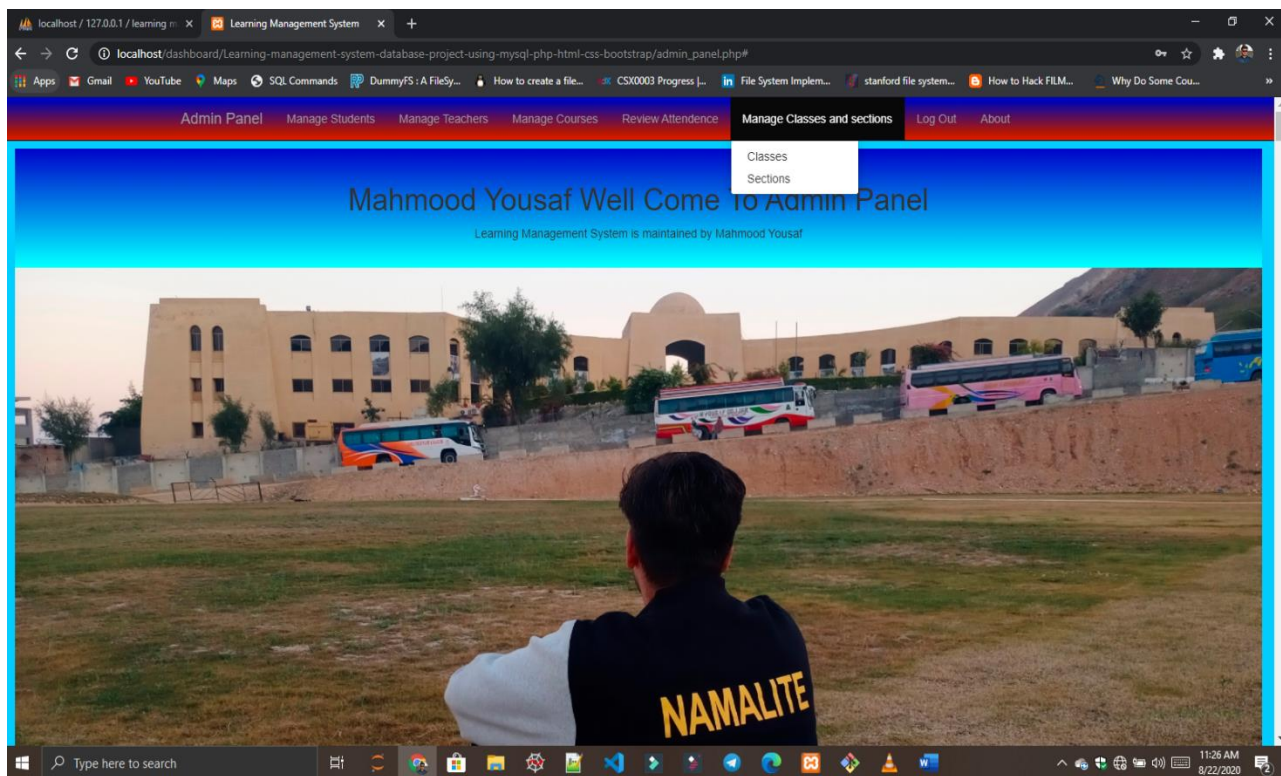
Search for Teacher Attendance

Teacher Id:

Attendance Date:

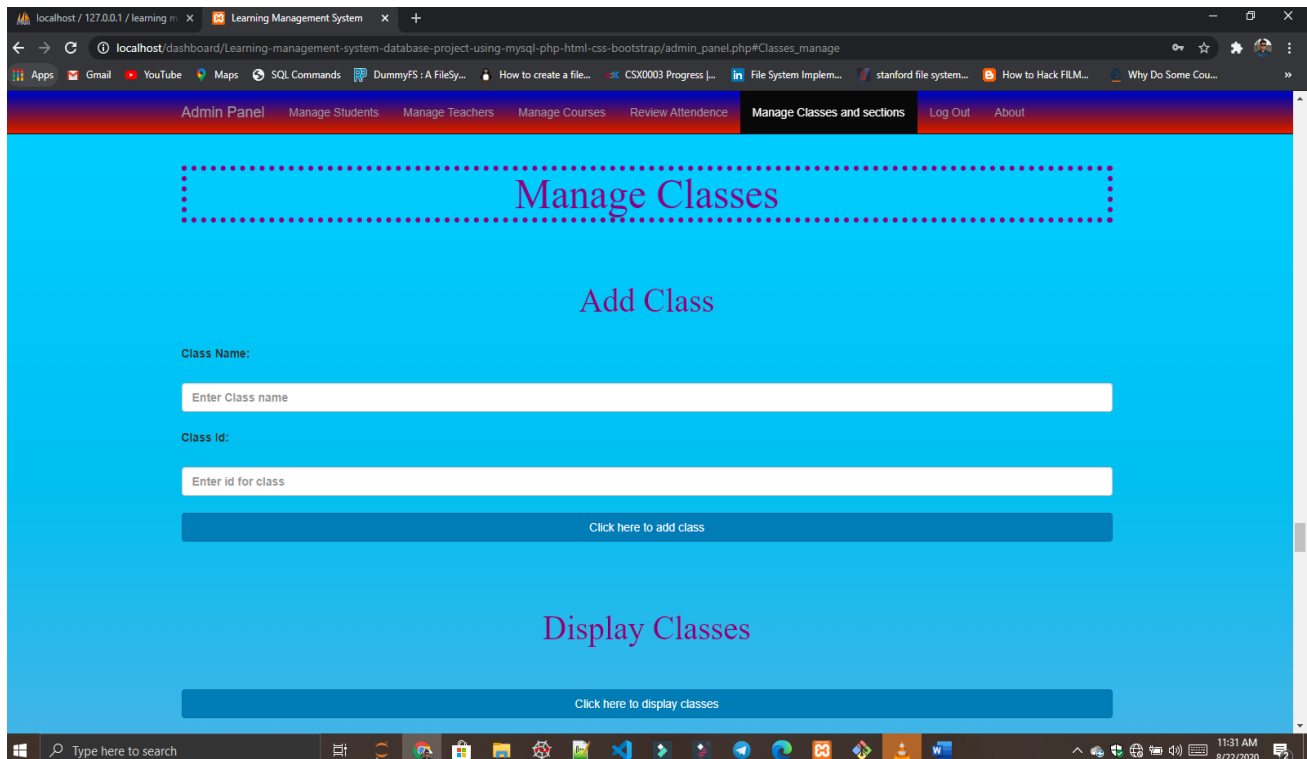
# Manage Classes and Sections

- When Admin clicks on Manage Classes and Sections than it contain dropdown menu
- Dropdown menu have Classes and Sections Items



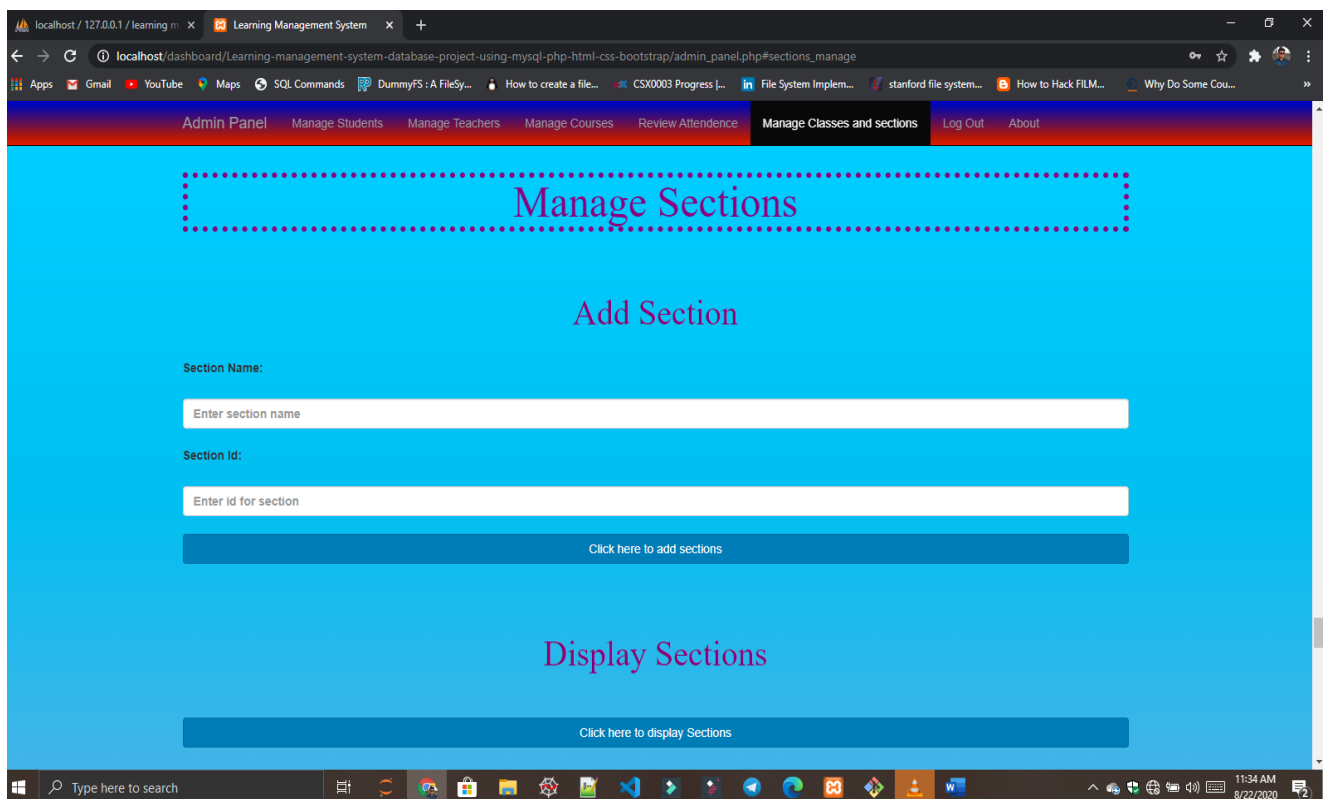
# Manage Classes

- When Admin clicks on Classes in dropdown menu
- Scroll will down automatically to Manage Classes space
- Admin can add Class, display all Classes, delete any Class record and search any Class record
- Manage Classes is connected manage\_classes table in MYSQL database



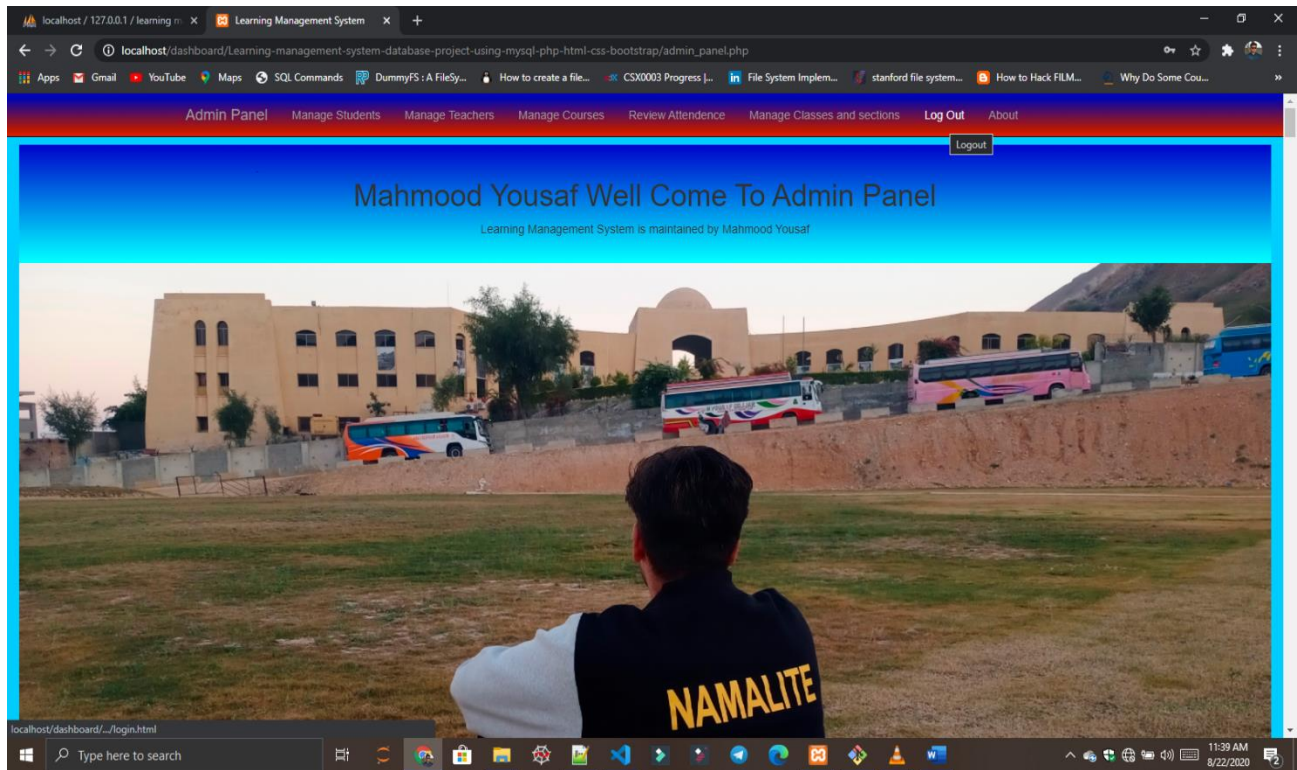
# Manage Sections

- When Admin clicks on Sections in dropdown menu
- Scroll will down automatically to Manage Sections space
- Admin can add Section, display all Sections, delete any Section record and search any Section record
- Manage Sections is connected manage\_sections table in MYSQL database



# Logout

- When Admin clicks on Logout in Navigation bar





# Redirect to Login Page

- When Admin clicks on Logout in Navigation bar
- Admin will logout Successfully and will redirected to Learning Management System Panel

