

Smart Health Emotions Tracking System

PROJECT PHASE 2: IMPLEMENTATION

SUBMITTED BY : KONERU, GEETIKA

COURSE: | CS630: Current Topics in Human Computer Interaction

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1. Project Description:

The basic idea of the system is to maintain the scheduled student activities along with logging their emotions overtime to understand how they reacted to the emotions at different times on a scale of 0 to 10 using emotions scale [Reference: https://www.123rf.com/photo_55960284_stock-vector-pain-scale-chart-vertical-cartoon-faces-emotions-scale-doctors-pain-assessment-scale-pain-rating-too.html].

- There are two types of users considered to be using the system namely, admin and the user. They have three major functionalities.
- ✓ **As an admin,**
 - The admin will be able to add new activities.
 - The admin will be asked to select the activity type for which he wants to create the activity among: Assignment, Quiz, Exam, Homework, Project, Club Meeting, Discussion, Paper, Tutoring or He can select Bonus or Retake.
 - He then will be asked to enter Course name/number/section statically.
 - Mark grade worth.
 - On a scale of emotions, he assigns initial rating for the activity based on the feedback received from previous offerings.
 - Date and time will be automatically read from the system and submits the information for storage and retrieval.
 - Will be able to view the list of scheduled activities.
 - This gives a table of activities that are scheduled along with initial emotion rating, due date and time, event creation date and time
 - Should be able to view history.

- The admin will be able to view the history and can select the type of activity to delete.
- Once confirmed, the selected activity types can be purged from the table.
- The admin can click on Emotional Log(emotional analyzer page) and can view the current state of emotions that the users changed on the activities.
- This concludes the administrator activities.

✓ **As a User,**

- As the users, they can see the statistics using stats to view the emotional log of activities and can login to perform the below activities on the application.
- They can register for the activities using register data. In this page, the user can select the activity type as in Assignment, Quiz, Exam, Homework, Project, Club Meeting, Discussion, Paper, Tutoring and clicks on search to view the activities.
- They then enter the name of the course that they want to register and change the emotion.
- They then enter the emotional scale value and submit it for updating the emotional rating.
- They can view the existing schedule of the activities and they can view the history and purge if needed. This is usually done when the activity deadline is passed.

The schedule and history are viewed in the tabular format.

- ✓ **Emotional analyzer page :** It is used to view the emotions statistics that the user reports for different activities. This helps in understanding the user views on the activities in the form of graphical bar charts. These charts can help analyze the stress levels that the students face so as to prevent them from major chronic diseases like cardiovascular, metabolic, kidney and cancer that are the major causes of increased stress.

2. Programming languages used and Software:

Front end Programming: HTML, CSS, php

Database: MySQL

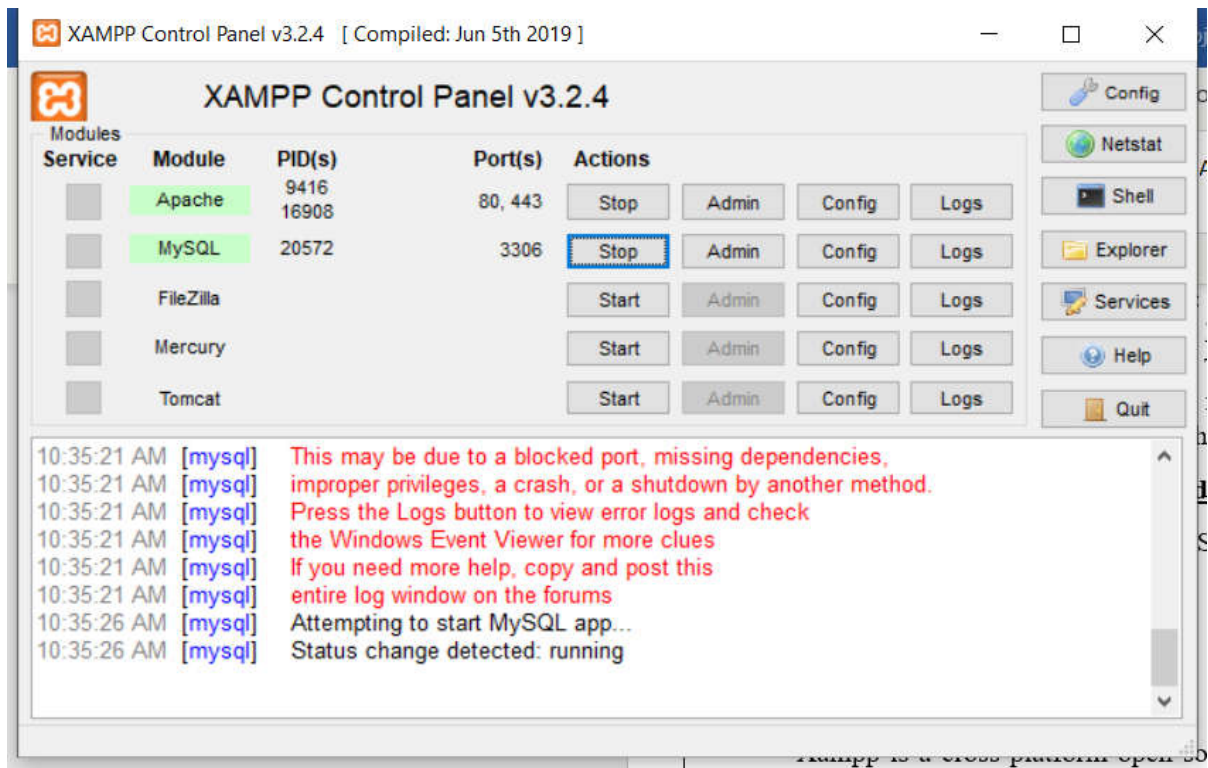
Server: Apache

Software: Xampp

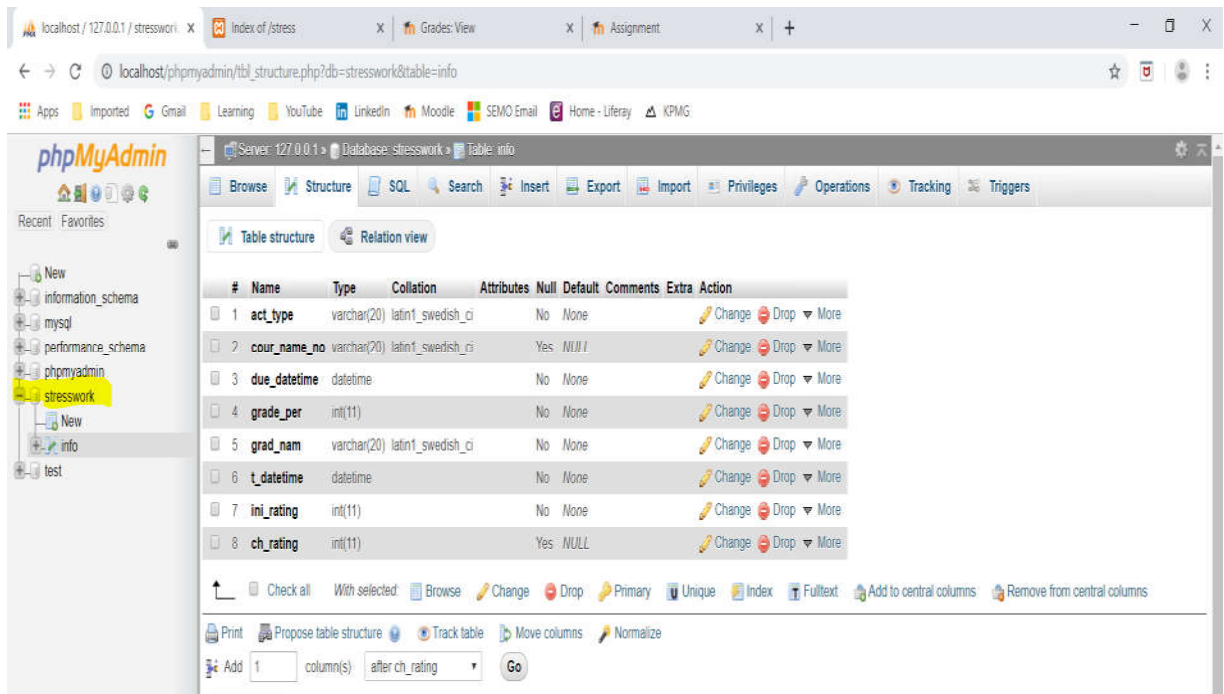
Xampp is a cross platform open source software for web server solution consisting of Apache HTTP server for interpretation of php.

3. Interface screenshots and test case scenarios:

1. Xampp servers running status:



2. Table structure in phpMyAdmin Table Name: stresswork



3. Html and php files in local host:

Name	Last modified	Size	Description
Parent Directory	-	-	-
add.html	2019-06-18 21:49	2.9K	
combo.html	2019-06-18 19:25	4.4K	
dbcon.php	2019-06-18 12:27	1.4K	
delete.php	2019-06-18 12:56	2.3K	
graph.php	2019-06-18 12:58	3.3K	
history.php	2019-06-18 11:32	2.6K	
login.html	2019-06-19 08:29	2.3K	
login.php	2019-06-18 12:55	120	
menu.html	2019-06-18 22:11	1.3K	
reg.html	2019-06-18 22:16	1.9K	
reg.php	2019-06-18 11:26	2.5K	
schedule.php	2019-06-18 13:00	2.2K	
sub1.php	2019-06-19 08:37	1.3K	
three.html	2019-06-18 22:26	1.2K	
u_menu.html	2019-06-18 22:19	1.2K	
user.html	2019-06-18 22:22	2.2K	
user.php	2019-06-18 08:10	122	

Apache/2.4.39 (Win64) OpenSSL/1.0.2s PHP/7.1.30 Server at localhost Port 80

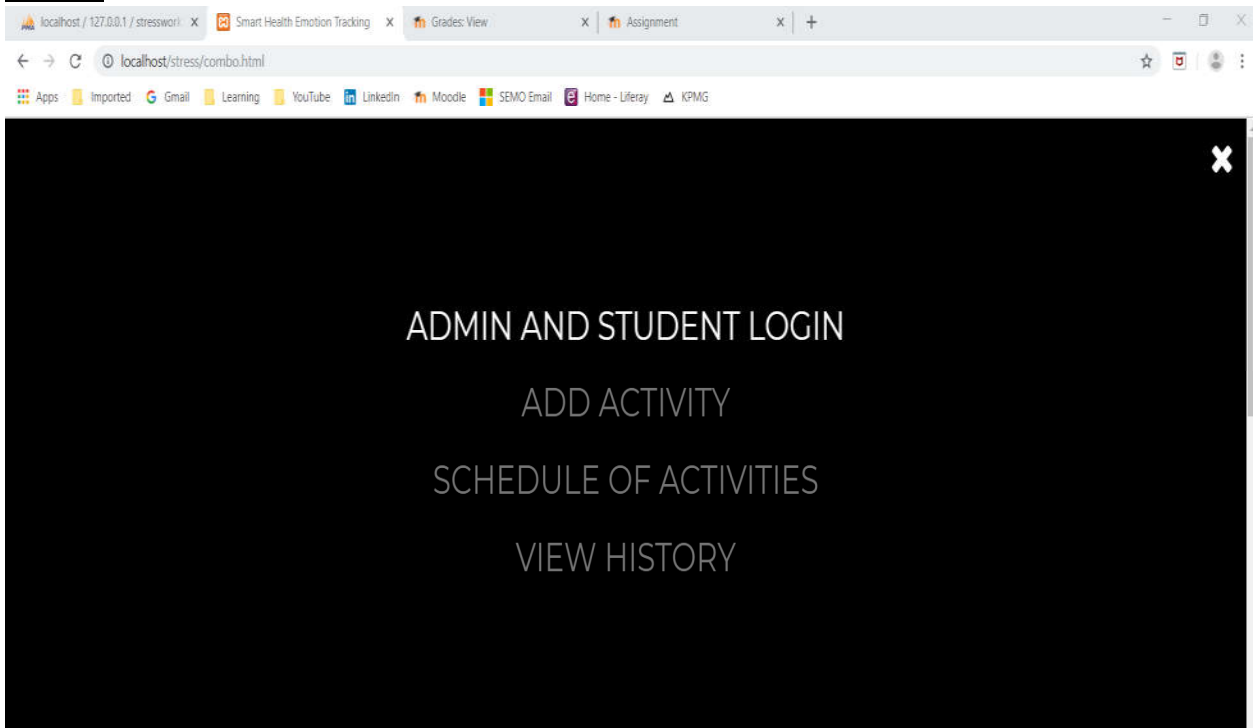
4. Data in database:

act_type	cour_name_no	due_datetime	grade_per	grad_nam	t_datetime	ini_rating	ch_rating
assignment	Assignment	2020-12-12 00:00:00	90	service	2019-06-18 07:36:15	6	7
discussion	HCI	2019-02-18 11:00:00	10	nothing	2019-06-18 07:37:38	2	7
homework	APL	2019-06-06 12:13:00	40	nothing	2019-06-18 07:38:48	7	7
Assignment	Cloud	2019-12-08 09:00:00	30	Bonus	2019-06-18 22:38:07	4	7
Discussion	discussion1	2019-07-16 12:30:00	21	Bonus	2019-06-19 08:08:33	2	7

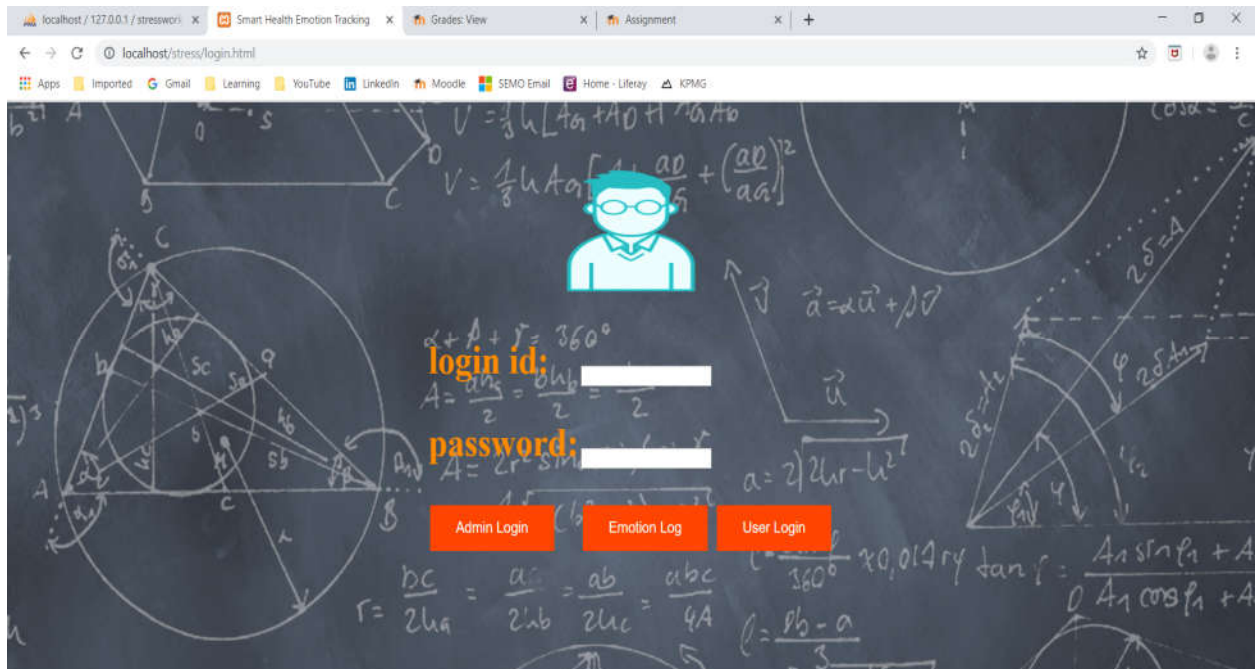
5. Landing page:



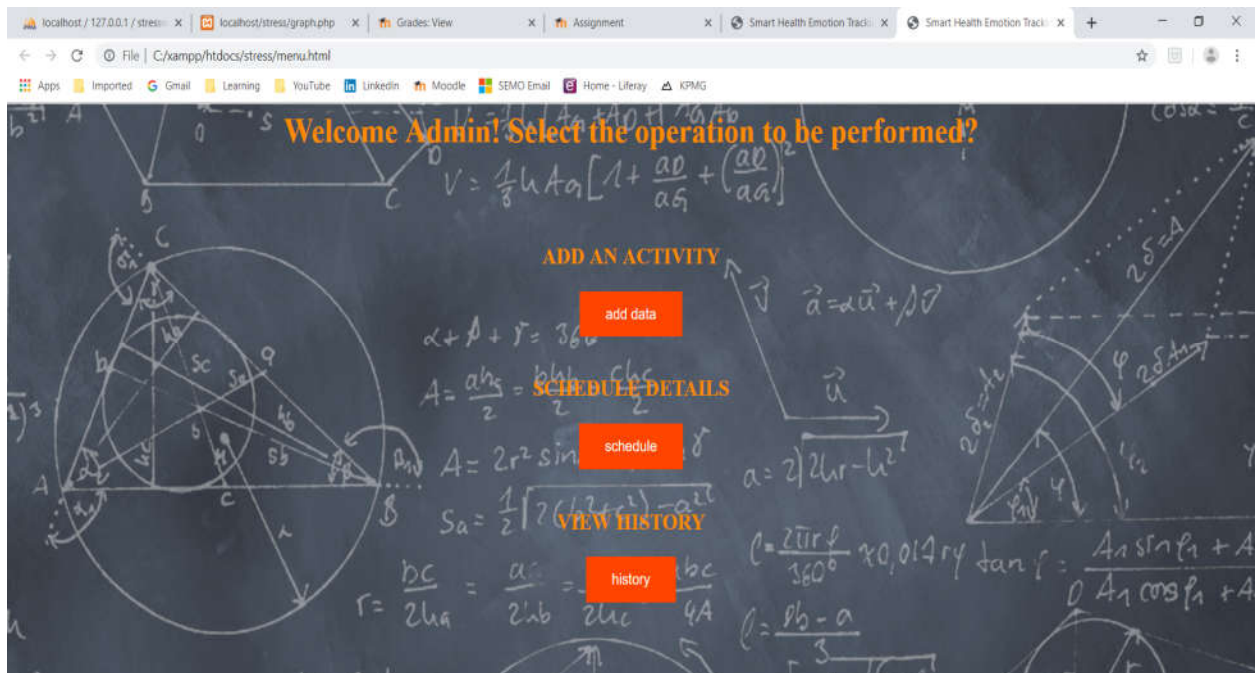
6. Menu



7. Upon navigating to ADMIN AND STUDENT LOGIN: The below page appears.



8. login ids and passwords for admin are admin1 to admin4 respectively. Once id and password are entered, and clicked on Admin Login the below page appears:



9.If admin clicks on the add an activity, add data button, the below screens appears in order where user can add the activity by drop down, enter course name/number, select date and time from calendar, enters grade worth, sets emotions rating and submits the data. Data and time of creation is logged automatically.

ADD AN ACTIVITY

Select activity type:

Enter course name/number/section:

Scheduled date and time:

Enter Grade worth:

Activity Logging Date and Time:

PAIN MEASUREMENT SCALE

NO PAIN MILD PAIN MODERATE PAIN SEVERE PAIN VERY SEVERE PAIN WORST PAIN IMAGINABLE

Date and time of activity:

ADD AN ACTIVITY

Select activity type:

Enter course name/number/section:

Scheduled date and time:

Enter Grade worth:

Activity Logging Date and Time:

PAIN MEASUREMENT SCALE

NO PAIN MILD PAIN MODERATE PAIN SEVERE PAIN VERY SEVERE PAIN WORST PAIN IMAGINABLE

Initial emotion setting by administrator based on the feedback:

The screenshot shows a web browser window with the URL `localhost/stress/add.html`. The page features a "PAIN MEASUREMENT SCALE" with six categories: NO PAIN, MILD PAIN, MODERATE PAIN, SEVERE PAIN, VERY SEVERE PAIN, and WORST PAIN IMAGINABLE. Each category is represented by a colored circle with a corresponding face. Below the scale is a horizontal bar with numbers 0 to 10. The "Activity Logging Date and Time:" field is set to "06/18/2019 12:06 PM". A "SUBMIT" button is visible at the bottom right of the form.

Dynamic date and time of activity addition

The screenshot shows the same web browser window, but with additional form fields. The "Select activity type:" dropdown is set to "Assignment". The "Enter course name/number/section:" field contains "Web development". The "Scheduled date and due time:" field is set to "06/18/2019 12:06 PM". The "Enter Grade worth:" field contains "20". The "PAIN MEASUREMENT SCALE" and "Activity Logging Date and Time:" field are also visible.

Final submission view when adding an activity:

Smart Health Emotion Tracking x +

localhost/stress/add.html

Select activity type: Assignment

Enter course name/number/section: Web development

Scheduled date and due time: 06/18/2019 12:06 PM

Enter Grade worth: 20

Bonus

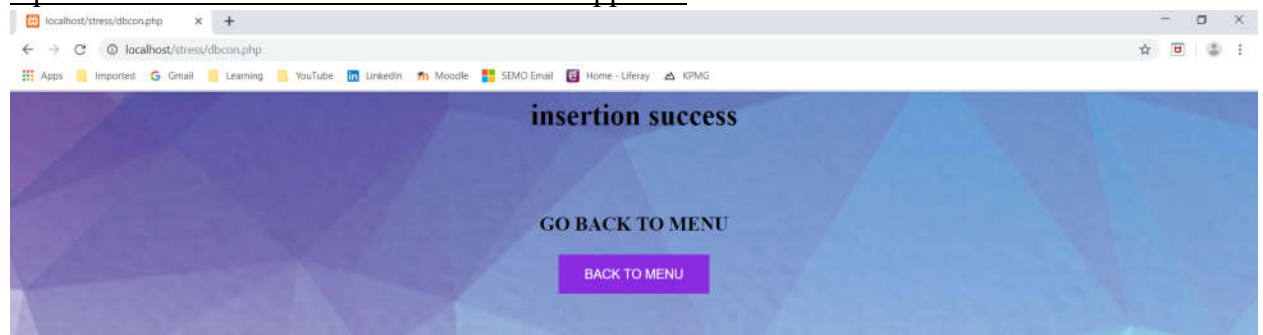
Activity Logging Date and Time:

PAIN MEASUREMENT SCALE

NO PAIN MILD PAIN MODERATE PAIN SEVERE PAIN VERY SEVERE PAIN WORST PAIN IMAGINABLE

0 1 2 3 4 5 6 7 8 9 10

Upon submission of data: The below screen appears:



10. When clicking on the schedule option in the main page of admin, the schedule appears

localhost/stress/schedule.php x +

localhost/stress/schedule.php

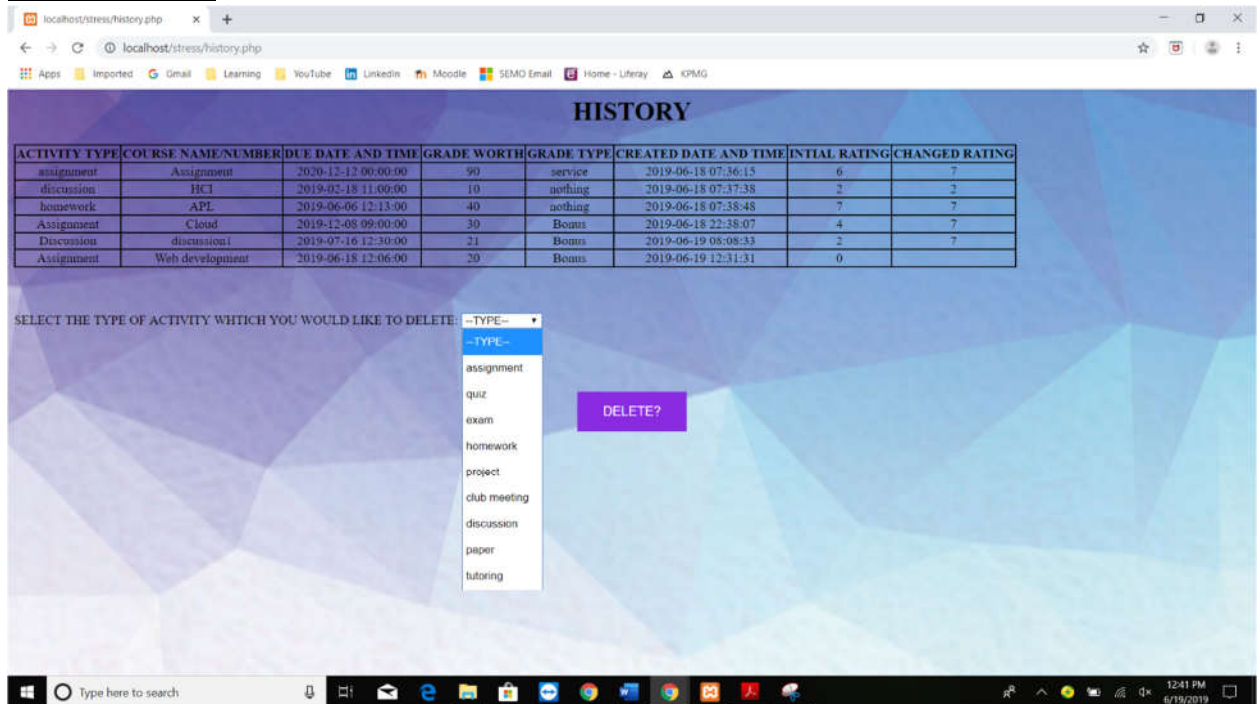
SCHEDULE

ACTIVITY TYPE	COURSE NAME/NUMBER	DUE DATE AND TIME	GRADE WORTH	GRADE TYPE	CREATED DATE AND TIME	INITIAL RATING	CHANGED RATING
discussion	HCI	2019-02-18 11:00:00	10	nothing	2019-06-18 07:37:38	2	2
homework	APL	2019-06-06 12:13:00	40	nothing	2019-06-18 07:38:48	7	7
Assignment	Web development	2019-06-18 12:06:00	20	Bonus	2019-06-19 12:31:31	0	
Discussion	discussion1	2019-07-16 12:30:00	21	Bonus	2019-06-19 08:08:33	2	7
Assignment	Cloud	2019-12-08 09:00:00	30	Bonus	2019-06-18 22:38:07	4	7
assignment	Assignment	2020-12-12 00:00:00	90	service	2019-06-18 07:36:15	6	7

GO BACK TO HOME

BACK TO HOME

11. The admin when clicks on the history page, the below details are obtained and if he chooses to delete, he can do it by selecting the type of activity that he wishes to delete and clicks on delete.

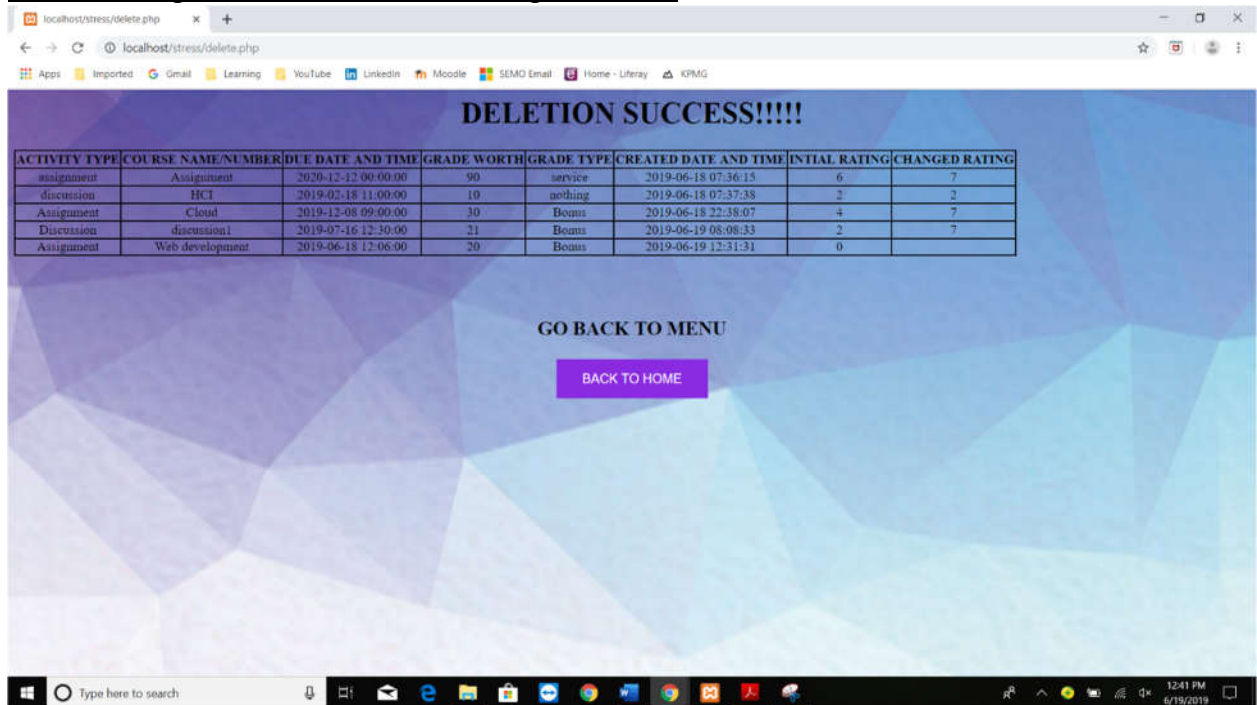


The screenshot shows a web browser window with the URL `localhost/stress/history.php`. The page title is "HISTORY". It contains a table with the following data:

ACTIVITY TYPE	COURSE NAME/NUMBER	DUE DATE AND TIME	GRADE WORTH	GRADE TYPE	CREATED DATE AND TIME	INITIAL RATING	CHANGED RATING
assignment	Assignment	2020-12-12 00:00:00	90	service	2019-06-18 07:36:15	6	7
discussion	HCI	2019-02-18 11:00:00	10	nothing	2019-06-18 07:37:38	2	2
homework	APL	2019-06-06 12:13:00	40	nothing	2019-06-18 07:38:48	7	7
Assignment	Cloud	2019-12-08 09:00:00	30	Bonus	2019-06-18 22:38:07	4	7
Discussion	discussion1	2019-07-16 12:30:00	21	Bonus	2019-06-19 08:08:33	2	7
Assignment	Web development	2019-06-18 12:06:00	20	Bonus	2019-06-19 12:31:31	0	

Below the table, there is a label "SELECT THE TYPE OF ACTIVITY WHICH YOU WOULD LIKE TO DELETE:" followed by a dropdown menu. The dropdown menu is open, showing the following options: --TYPE--, assignment, quiz, exam, homework, project, club meeting, discussion, paper, and tutoring. A purple button labeled "DELETE?" is visible to the right of the dropdown menu.

After deleting the homework and clicking on delete:



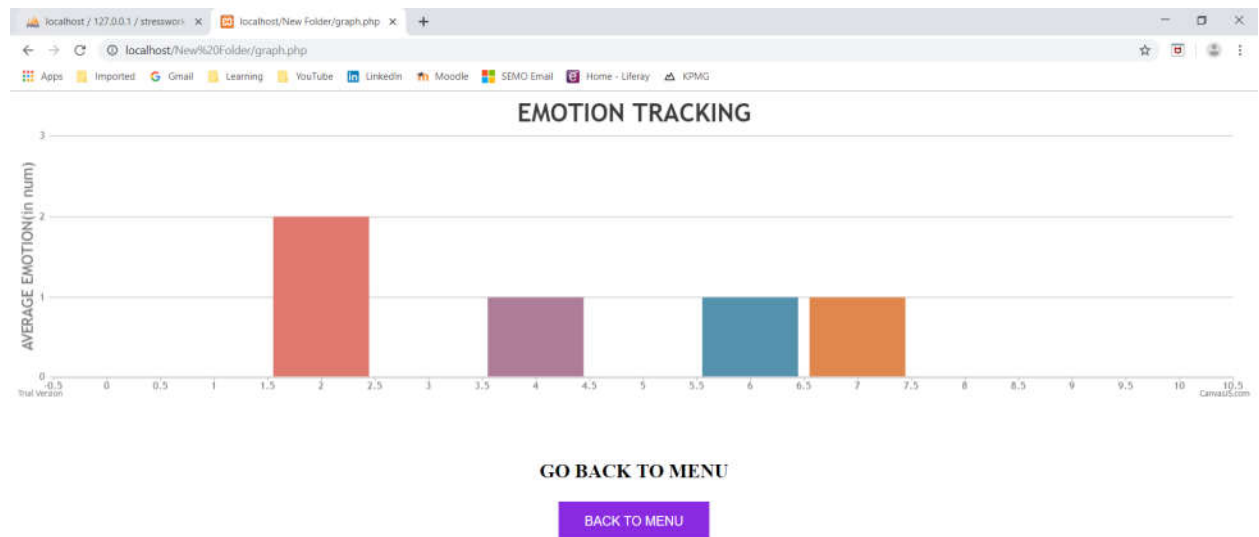
The screenshot shows a web browser window with the URL `localhost/stress/delete.php`. The page title is "DELETION SUCCESS!!!!". It contains a table with the following data:

ACTIVITY TYPE	COURSE NAME/NUMBER	DUE DATE AND TIME	GRADE WORTH	GRADE TYPE	CREATED DATE AND TIME	INITIAL RATING	CHANGED RATING
assignment	Assignment	2020-12-12 00:00:00	90	service	2019-06-18 07:36:15	6	7
discussion	HCI	2019-02-18 11:00:00	10	nothing	2019-06-18 07:37:38	2	2
Assignment	Cloud	2019-12-08 09:00:00	30	Bonus	2019-06-18 22:38:07	4	7
Discussion	discussion1	2019-07-16 12:30:00	21	Bonus	2019-06-19 08:08:33	2	7
Assignment	Web development	2019-06-18 12:06:00	20	Bonus	2019-06-19 12:31:31	0	

Below the table, there is a label "GO BACK TO MENU" and a purple button labeled "BACK TO HOME".

This completes the administrator part.

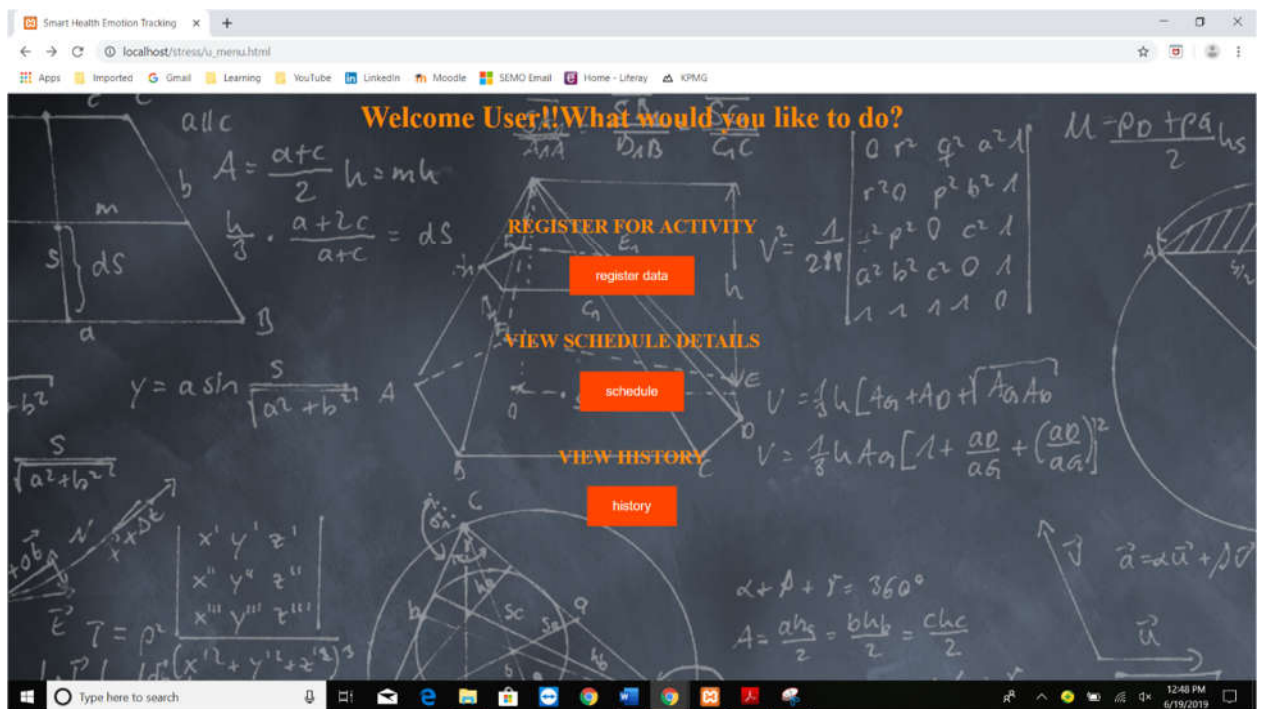
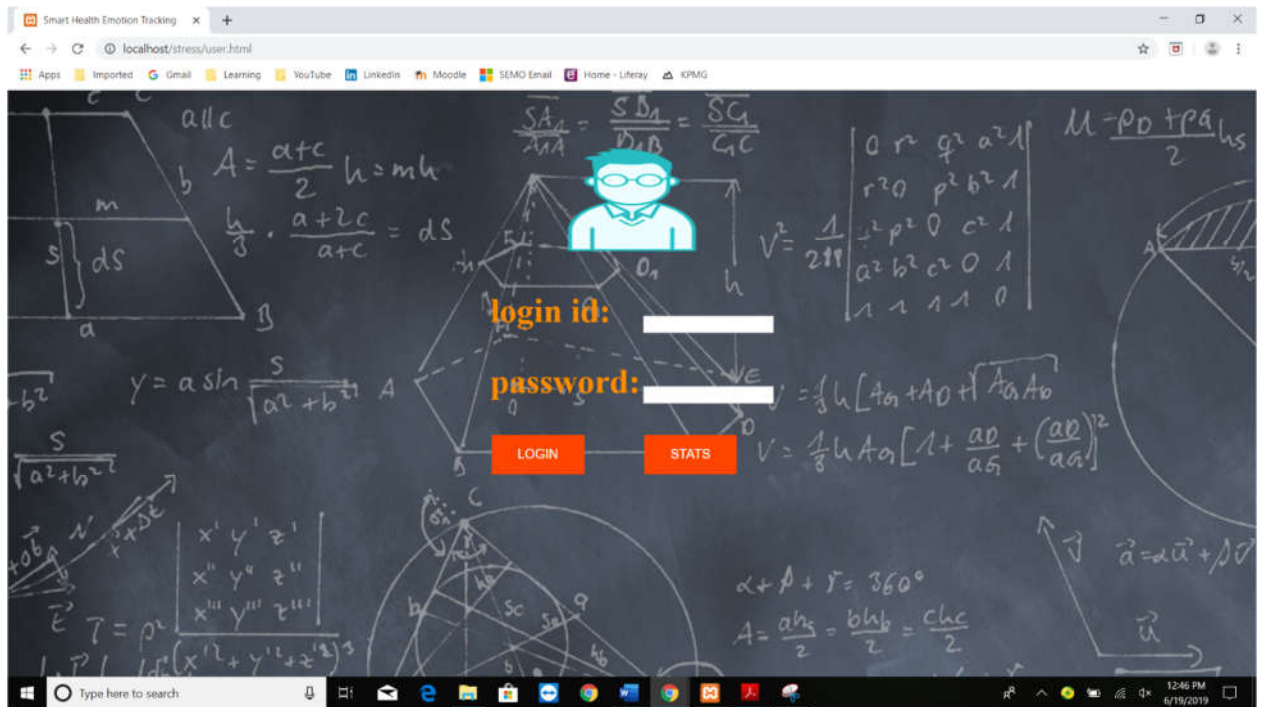
12. Now on the main menu, if the admin chooses to view the emotions analyzer chart, he clicks on the Emotion Log and the below chart appears based on the student ratings.



This helps in analysis of the emotions.

13. Moving on to the user part, on the main screen if we choose to be as a user, the user can login by selecting User Login, enters id and password quoted from user1 to user4 Then appears the welcome screen that asks the user to register for an activity, rating assignment, can view the schedule of activities same as admin page and can view and delete history same as that of the admin page. For registration he chooses the activity type and clicks search. That gives him a table with the selected activity type and then he enters the course name for which he wishes to change the rating and register. On the emotional scale, he then sets the value and clicks submit.

At the same time from the main login page, the user can also see the emotional log page as the admin shown in 12 to view the quoted stress levels on a particular activity. The schedule view and history purge are similar to that of the admin. The same formats and operations can be performed by the user also and the pages that reflect after operation are as shown in sections 10. And section 11.



Smart Health Emotion Tracking x +

localhost/stress/req.html

Apps Imported Gmail Learning YouTube LinkedIn Moodle SEMO Email Home - Literay KPMG

Activity type:

SELECT AN ACTIVITY

SEARCH

Background content: Mathematical diagrams and equations on a chalkboard background, including a pyramid, a circle, and various formulas like $A = \frac{a+c}{2} h = mh$, $V = \frac{1}{3} h [A_1 + A_2 + \sqrt{A_1 A_2}]$, and $\vec{a} = \alpha \vec{u} + \beta \vec{v}$.

Type here to search

12:48 PM 6/19/2019

Smart Health Emotion Tracking x +

localhost/stress/req.html

Apps Imported Gmail Learning YouTube LinkedIn Moodle SEMO Email Home - Literay KPMG

Activity type:

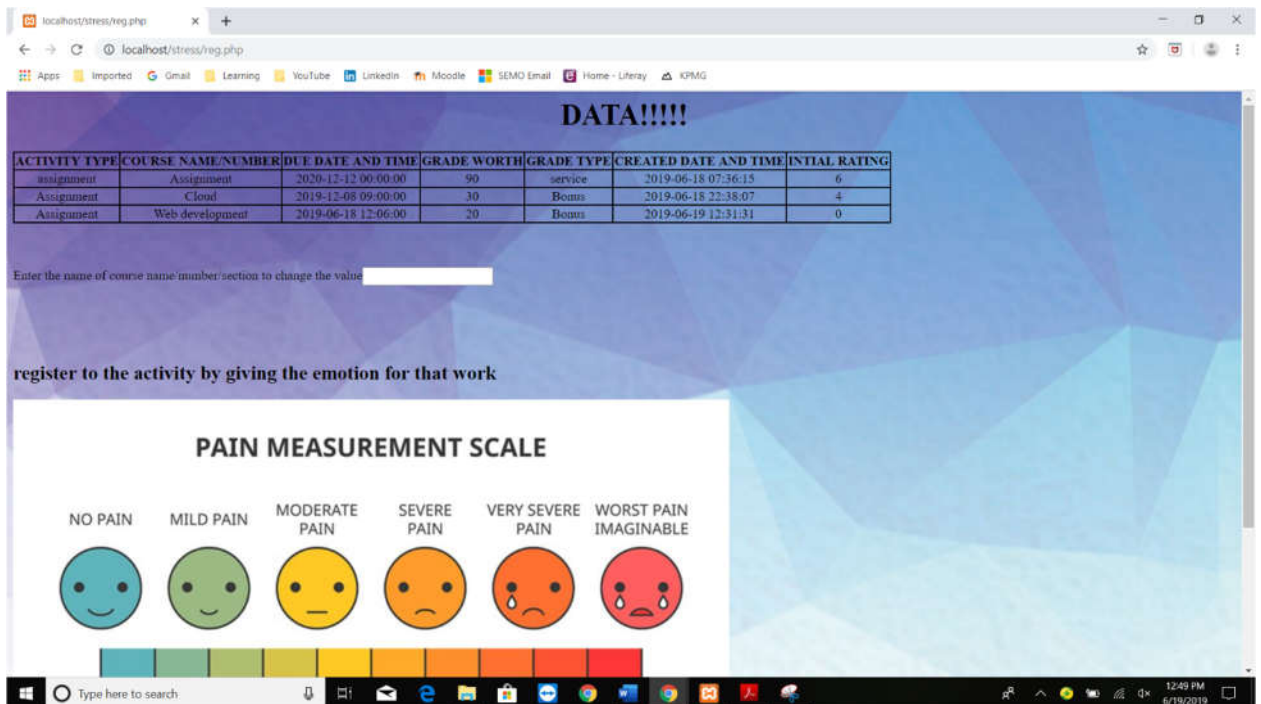
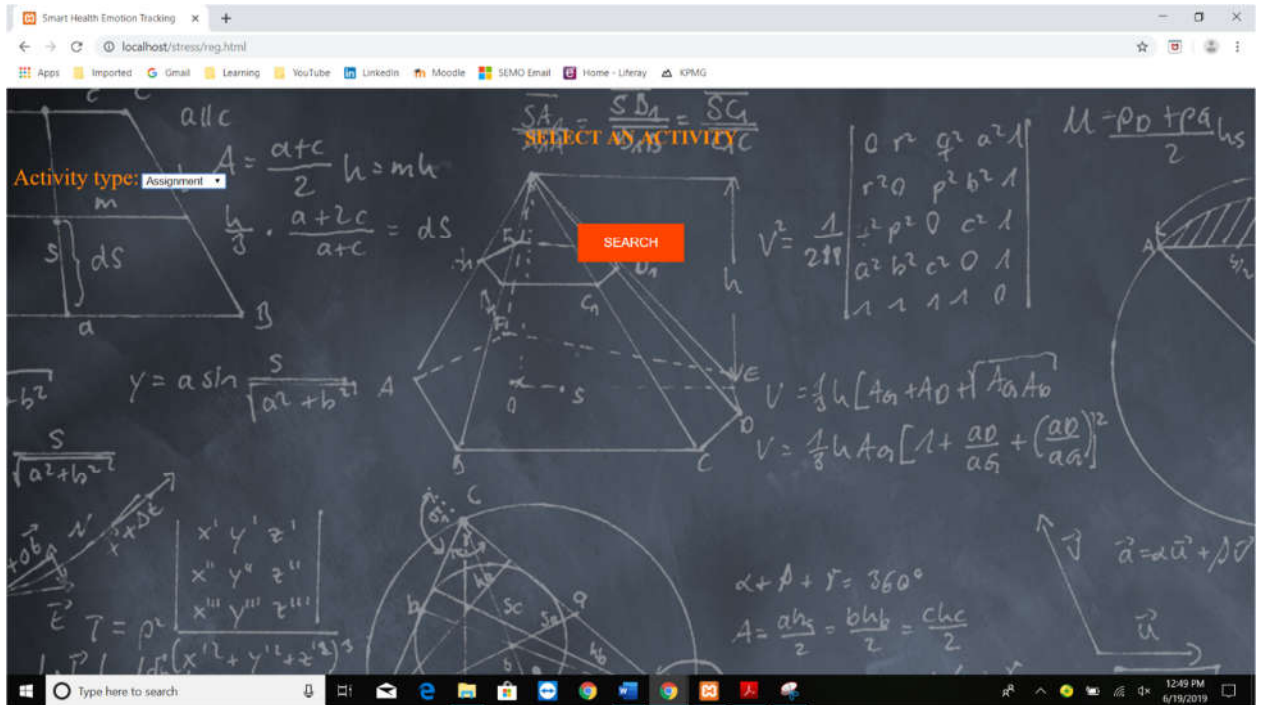
SELECT AN ACTIVITY

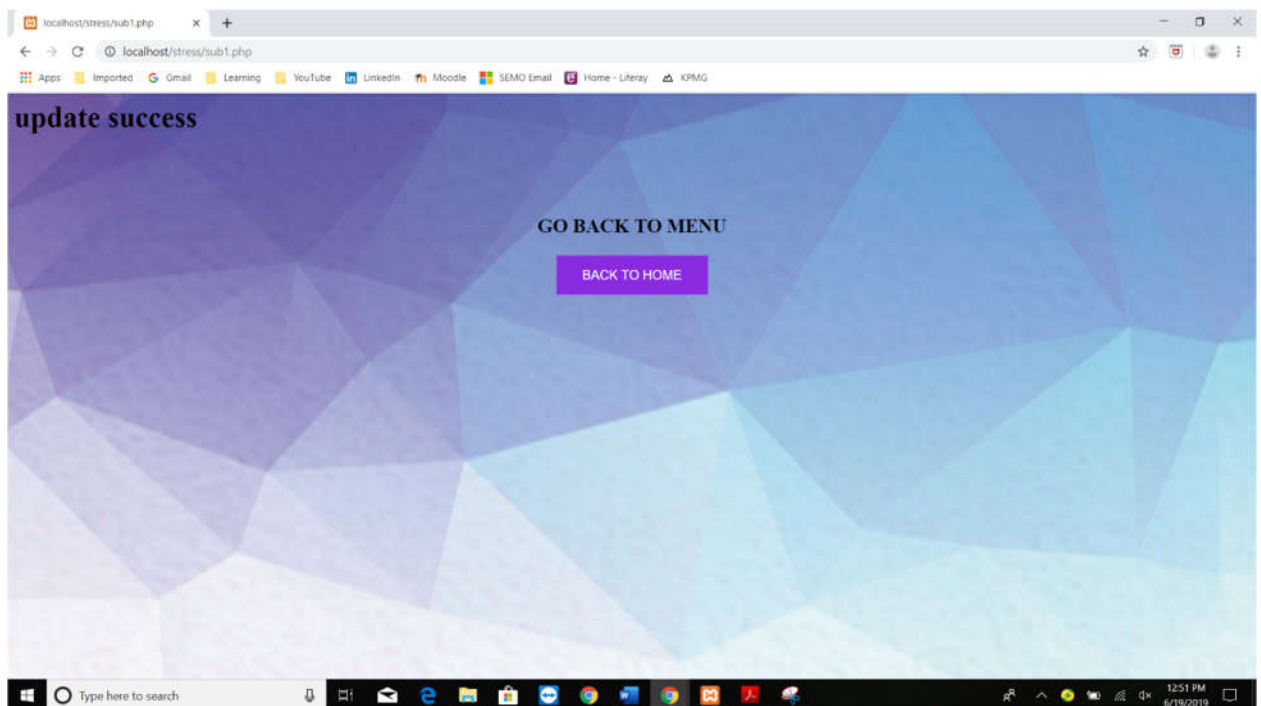
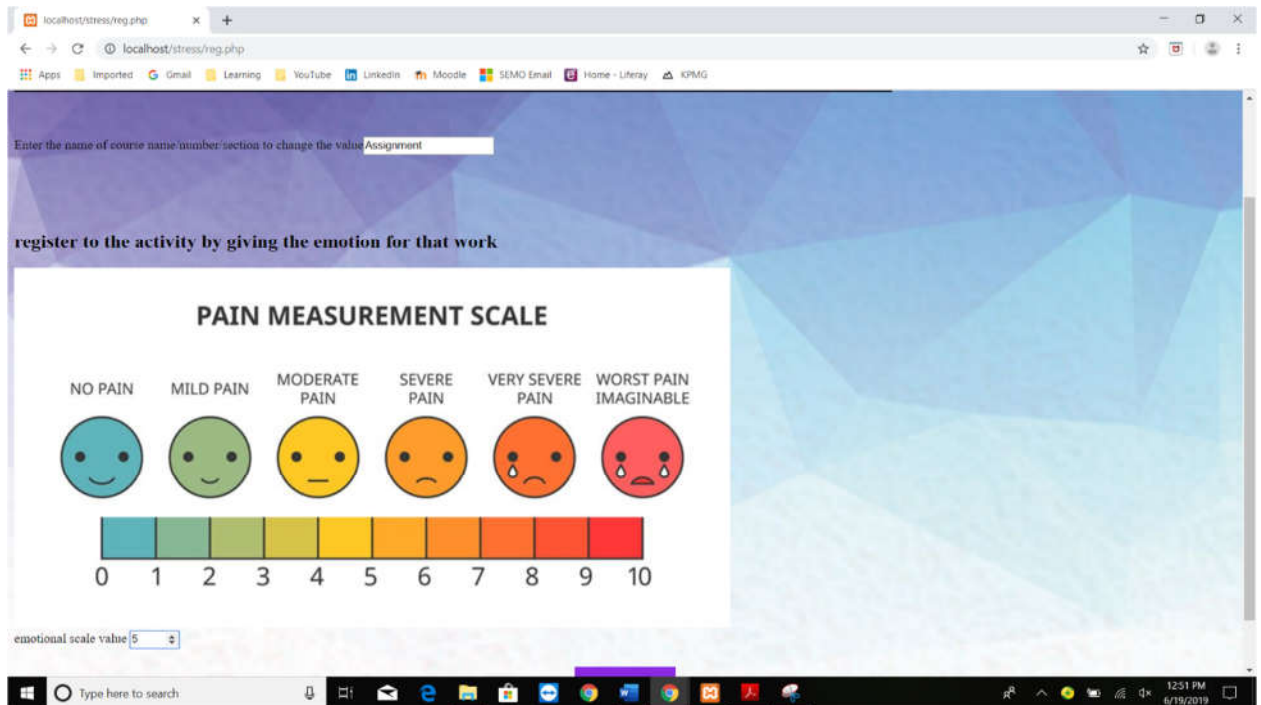
SEARCH

Background content: Mathematical diagrams and equations on a chalkboard background, including a pyramid, a circle, and various formulas like $A = \frac{a+c}{2} h = mh$, $V = \frac{1}{3} h [A_1 + A_2 + \sqrt{A_1 A_2}]$, and $\vec{a} = \alpha \vec{u} + \beta \vec{v}$.

Type here to search

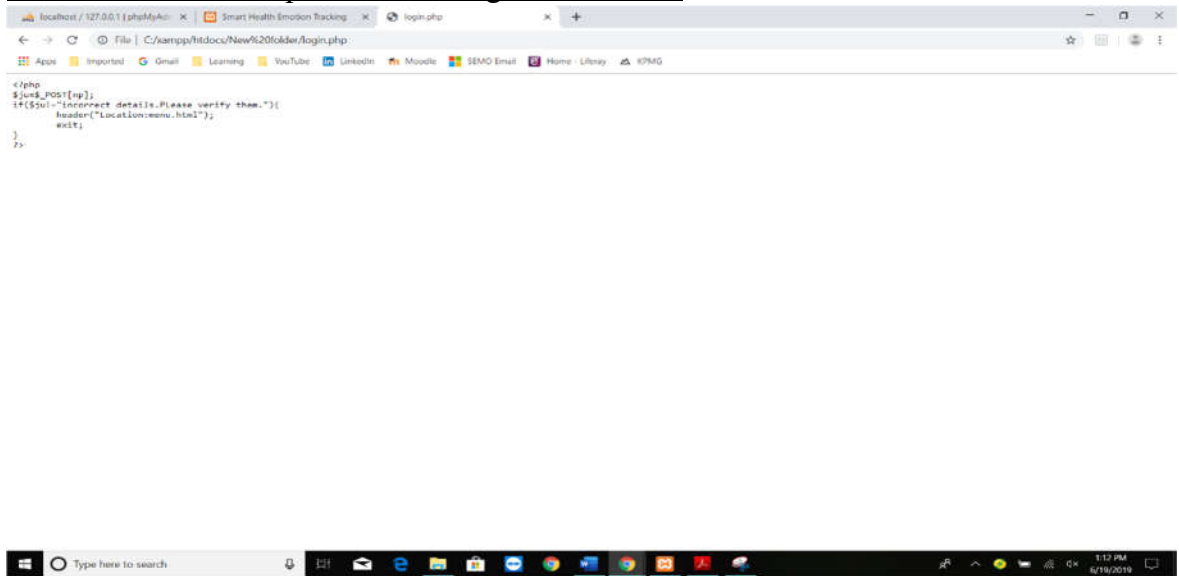
12:49 PM 6/19/2019



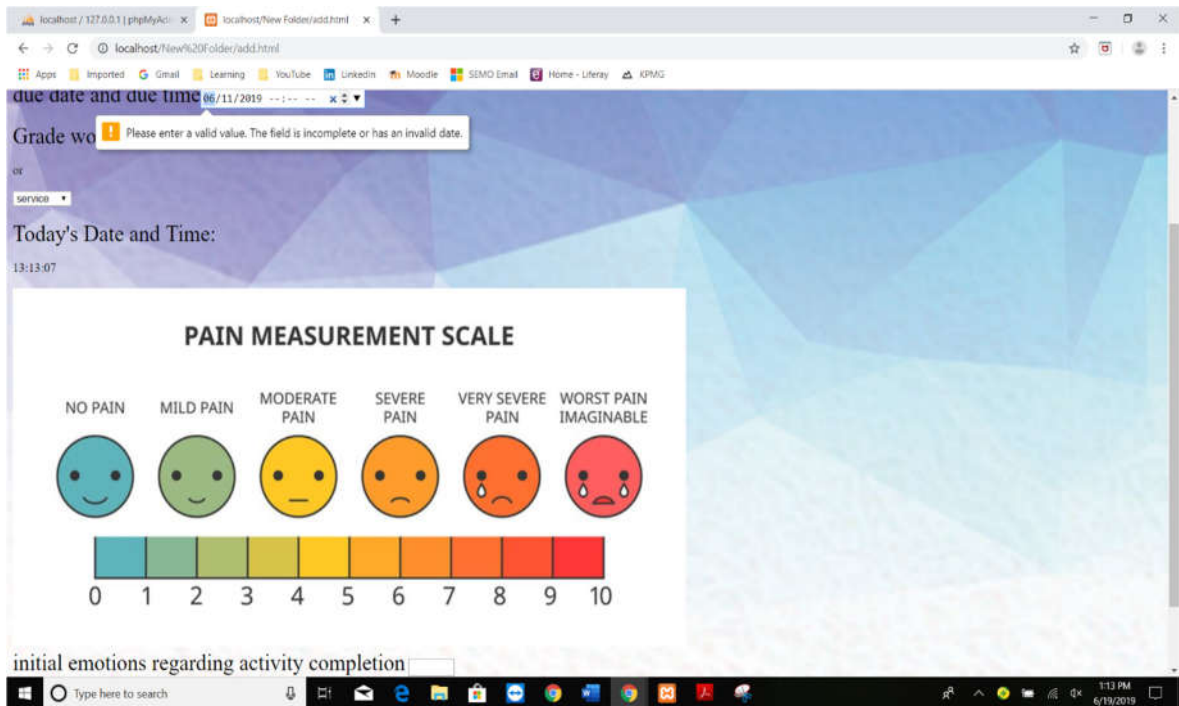


4. Usability testing scenarios where the data is missing results in error messages as follows for any missing values, incorrectly entered data.

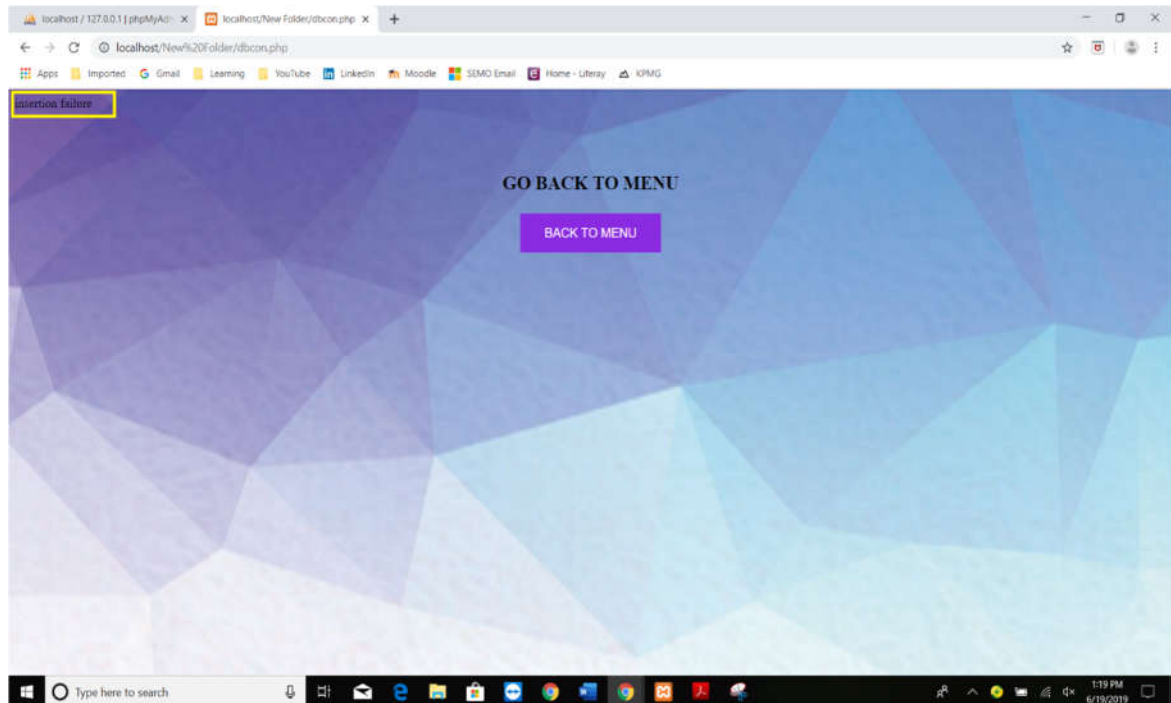
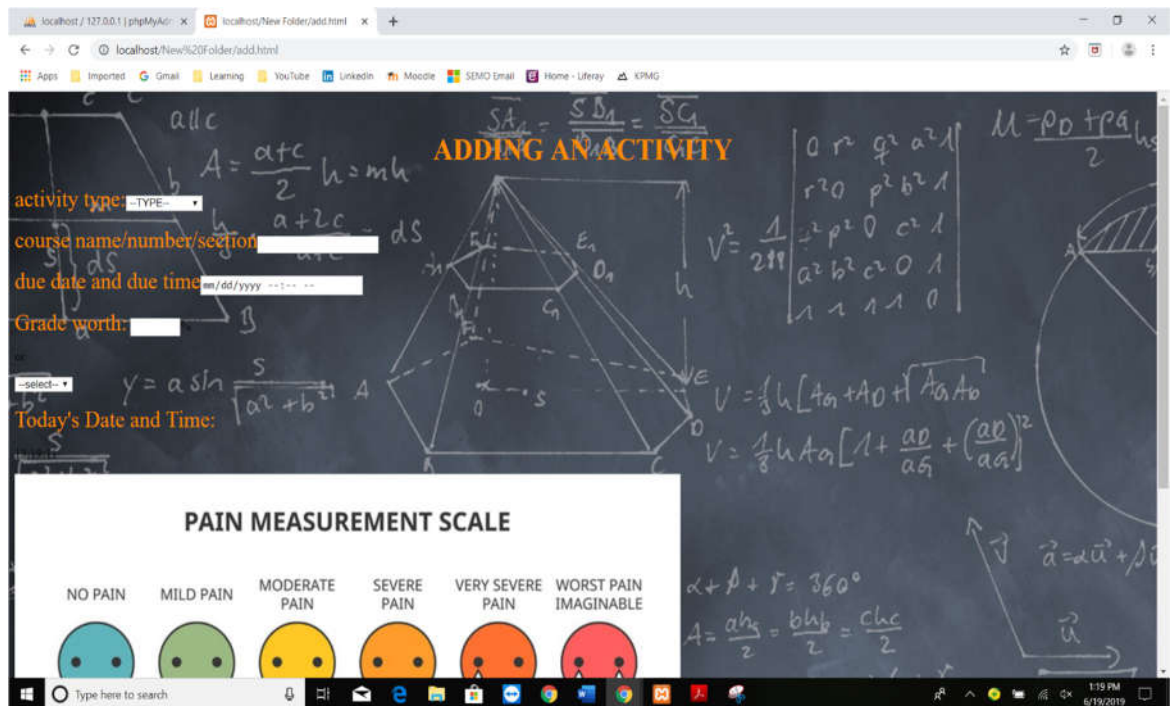
1. When null values are passed as the login credentials:



2. For empty data and time, the pop-up appears with the error message



3. When course name or grade worth are kept nulls, the insertion failure screen appears as follows:



5.Instructions for project execution:

- Please install the Xampp software for server and database connections.
- Once the installation is complete, navigate to Xampp installed location xampp folder\htdocs and paste the attached stress folder at the location. This stress folder consists of html files, database connection files and PHP files.
- Once the code is pasted in that location, go back to xampp folder and locate for xampp-control application. Double click to start control. Click start besides Apache and MySQL modules. We will see the running status of Apache and MySQL modules.
- Once that is done, in a new chrome window, type localhost and hit enter. Go to phpMyAdmin. This gives the database creation option. On the top left corner, click on New and create a database with name stresswork and hit create with the schema, and column names as follows:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	act_type	varchar(20)	latin1_swedish_ci	No	None			Change Drop More
<input type="checkbox"/>	2	cour_name_no	varchar(20)	latin1_swedish_ci	Yes	NULL			Change Drop More
<input type="checkbox"/>	3	due_datetime	datetime		No	None			Change Drop More
<input type="checkbox"/>	4	grade_per	int(11)		No	None			Change Drop More
<input type="checkbox"/>	5	grad_nam	varchar(20)	latin1_swedish_ci	No	None			Change Drop More
<input type="checkbox"/>	6	t_datetime	datetime		No	None			Change Drop More
<input type="checkbox"/>	7	ini_rating	int(11)		No	None			Change Drop More
<input type="checkbox"/>	8	ch_rating	int(11)		Yes	NULL			Change Drop More

Once this is done, the database is active.

- Open a new tab and type localhost/stress to get the files directory as shown in Figure 3.
- Click on combo.html to launch the application. The html pages can be launched as per requirement and the application can be navigated.

combo.html	Combination of all pages
add.html	Add the activities by the Admin
login.html	Login by Admin, User and Emotion Analyzer
menu.html	Admin menu to add activity, schedule, history
reg.html	User registration and emotion setting page
u_menu.html	User Main page register, view, history
user.html	User login page showing stats and login
graph.php	Emotional analyzer graph

The php pages like dbcon.php,delete.php,history.php,login.php,reg.php,sub1.php and user.php are the database connection files.

6. Conclusion with discussion on experience with implementing the system along with issues faced.

- Overall it was good working on the project.
- Although database implementation and html coding were fine, I felt the idea can be implemented more dynamically if I had knowledge on Angular JS, Knockout skills set.
- The application has been concentrated more on the implementation of idea of emotions tracking and activity creating, registration and history purge and rather time constraints have made me concentrate less on the authentication of user and admin.
- The application can be more effectively developed using C# and MVC architecture with JavaScript, knockout JS and effective databases like MySQL on the system rather being the online course and to have server live, had to use the Xampp software to have an inbuilt database and apache servers available.
- Major issue faced is with the server that doesn't connect appropriately due to intermittent issues.
- Altogether, I had a wonderful learning experience in implementing the system since it helped me explore on servers and offering software while polishing my HTML and php skills that are done hands on long ago.

7. Code

Add activity page code:

```
<html>
<head>
    <script>
var dt = new Date();
document.getElementById("due_datetime").innerHTML = (("0"+dt.getDate()).slice(-2)) + "." +
(("0"+(dt.getMonth()+1)).slice(-2)) + "." + (dt.getFullYear()) + " " + (("0"+dt.getHours()).slice(-2)) + ":" +
(("0"+dt.getMinutes()).slice(-2));

function startTime() {
    var today = new Date();
    var h = today.getHours();
    var m = today.getMinutes();
    var s = today.getSeconds();
    m = checkTime(m);
    s = checkTime(s);
    document.getElementById('t_datetime').innerHTML =
    h + ":" + m + ":" + s;
    var t = setTimeout(startTime, 500);
}
function checkTime(i) {
    if (i < 10) {i = "0" + i}; // add zero in front of numbers < 10
    return i;
}
```

```

}
</script>
<style>
    body{
        background-image:
url("https://media.licdn.com/dms/image/C561BAQEYKLXA3HpbBQ/company-
background_10000/0?e=2159024400&v=beta&t=705wqlXy30AR6YABm_hsnQnHFgN3szD0w_DsfbS_Xa0
");
        background-repeat: no-repeat;
        background-position: all;
    }
    h1{
        font-size: 36;
        font-weight: bolder;
color: #FF8C00;
    }
    label{
        font-size: 28;
        align-content: center;
color: #FF8C00;
    }
    input{
        align-content:center;
    }
    div.a {
        text-align: center;
    }
    .button {
        background-color:#FF4500;
        border: none;
        color: white;
        padding: 15px 32px;
        text-align: center;
        text-decoration: none;
        display: inline-block;
        font-size: 16px;
        margin: 4px 2px;
        cursor: pointer;
    }
    #bu{
        text-align: center;
    }
</style>
}
</head>
<body onload="startTime()">
    <h1 align="center">ADDING AN ACTIVITY</h1>

```

```

<form action="dbcon.php" method="post">
<label>activity type:</label><select name="act_type" >
    <option>--TYPE--</option>
    <option>assignment</option>
    <option>quiz</option>
    <option>exam</option>
    <option>homework</option>
    <option>project</option>
    <option>club meeting</option>
    <option>discussion</option>
    <option>paper</option>
    <option>tutoring</option>
    <option>addNewType</option>
</select><br/><br/>
<label>course name/number/section</label><input type="text" name="cour_nam_no"><br/><br/>
<label>due date and due time</label><input type="datetime-local" name="due_datetime"><br/><br/>
<label>Grade worth:</label>
    <input type="number" name="grade_per" min="1" max="100"><span>&#37;</span>
    <p>or</p><select name="grade_nam">
        <option>--select--</option>
        <option>service</option>
        <option>nothing</option>
    </select>
<br/><br/>
<label>Today's Date and Time:</label><p id="t_datetime" name="dt"></p>

<br/>
<label>initial emotions regarding activity completion</label>
<input type="number" name="ini_rating" min="0" max="10">
<br/><br/>
<div class="a"><button class="button">SUBMIT</button></div>
<br/>

```

```

</form>

```

```

</body></html>

```

Combined page code:

```

<!DOCTYPE html>

```

```

<html>

```

```

<title>Smart Health Emotion Tracking</title>

```

```

<meta charset="UTF-8">

```

```

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

```

```

<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">

```

```

<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Montserrat">

```

```

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">

```

```

<style>
body,h1 {font-family: "Montserrat", sans-serif}
img {margin-bottom: -7px}
.w3-row-padding img {margin-bottom: 12px}
</style>
<body>

<!-- Sidebar -->
<nav class="w3-sidebar w3-black w3-animate-top w3-xxlarge" style="display:none;padding-top:150px"
id="mySidebar">
  <a href="javascript:void(0)" onclick="w3_close()" class="w3-button w3-black w3-xxlarge w3-padding
w3-display-topright" style="padding:6px 24px">
    <i class="fa fa-remove"></i>
  </a>
  <div class="w3-bar-block w3-center">
    <a href="login.html" class="w3-bar-item w3-button w3-text-grey w3-hover-black">ADMIN AND
STUDENT LOGIN</a>
    <a href="login.html" class="w3-bar-item w3-button w3-text-grey w3-hover-black">ADD ACTIVITY</a>
    <a href="login.html" class="w3-bar-item w3-button w3-text-grey w3-hover-black">SCHEDULE OF
ACTIVITIES</a>
    <a href="login.html" class="w3-bar-item w3-button w3-text-grey w3-hover-black">VIEW HISTORY</a>
    <!--<a href="#" class="w3-bar-item w3-button w3-text-grey w3-hover-black">Contact INFO</a-->
  </div>
</nav>

<!-- !PAGE CONTENT! -->
<div class="w3-content" style="max-width:1500px">

<!-- Header -->
<div class="w3-opacity">
<span class="w3-button w3-xxlarge w3-white w3-right" onclick="w3_open()"><i class="fa fa-
bars"></i></span>
<div class="w3-clear"></div>
<header class="w3-center w3-margin-bottom">
  <h1><b><font size="18">SMART HEALTH EMOTIONS TRACKING SYSTEM </b></font></h1>
  <p><b><font size="14" color="#B30928">A MEASURE OF STUDENT STRESS</font></b></p>
</header>
</div>

<!-- Photo Grid -->
<div class="w3-row" id="myGrid" style="margin-bottom:128px">
  <div class="w3-third">
    
    
    

```



```


</div>

<div class="w3-third">
  
  
  
  
</div>

<div class="w3-third">
  
  
  

</div>
</div>

<!-- End Page Content -->
</div>

<!-- Footer -->
<footer class="w3-container w3-padding-64 w3-light-grey w3-center w3-opacity w3-xlarge"
style="margin-top:128px">
  <i class="fa fa-facebook-official w3-hover-opacity"></i>
  <i class="fa fa-instagram w3-hover-opacity"></i>
  <i class="fa fa-snapchat w3-hover-opacity"></i>
  <i class="fa fa-pinterest-p w3-hover-opacity"></i>
  <i class="fa fa-twitter w3-hover-opacity"></i>
  <i class="fa fa-linkedin w3-hover-opacity"></i>
  <p class="w3-medium">Powered by <a href="https://www.w3schools.com/w3css/default.asp"
target="_blank" class="w3-hover-text-green">w3.css</a></p>
</footer> <script> // Toggle grid padding
// Open and close sidebar
function w3_open() {
  document.getElementById("mySidebar").style.width = "100%";
  document.getElementById("mySidebar").style.display = "block";
}

function w3_close() {
  document.getElementById("mySidebar").style.display = "none";
}
</script> </body> </html>

```

Login page code:

```
<html>
<title>Smart Health Emotion Tracking</title>
<head>
    <style>
        body{
            background-image:
url("https://media.licdn.com/dms/image/C561BAQEYKLXA3HpbBQ/company-
background_10000/0?e=2159024400&v=beta&t=705wqlXy30AR6YABm_hsnQnHFgN3szD0w_DsfbS_Xa0
");
            background-position: center;
            background-repeat: no-repeat;
            background-position: all;

        }
        h1{

            font-size: 36;
            font-weight: bolder;
            color: #FF8C00;
        }
        label{
            font-size: 28;
            color: #FF8C00;

        }
        input{

        }
        .button {
background-color:#FF4500;
border: none;
color: white;
padding: 15px 32px;
text-align: center;
text-decoration: none;
display: inline-block;
font-size: 16px;
margin: 4px 2px;
cursor: pointer;
}
#bu1,#bu2{
    text-align: center;
}
.center{
    display: block;
```

```

margin-left: auto;
margin-right: auto;
}

</style>
<script>

function valeee(){
    document.getElementById("demo").innerHTML="mka";
    var x,y;
    x=document.getElementById("ida").value;
    y=document.getElementById("pass").value;

    if((x=="admin1"&&y=="admin1")||(x=="admin2"&&y=="admin2")||(x=="admin3"&&y=="admin
3")||(x=="admin4"&&y=="admin4")){
        document.getElementById("demo").innerHTML="welcome "+x;
    }

    else{
        document.getElementById("demo").innerHTML="incorrect
details.Please verify them."
    }
}

</script>
</head>
<body>
<form onsubmit="valeee() method="post">
    <p id="demo" name="np"></p>
    <br/><br/><br/>
    
    <br/><br/>
    <table align="center">
        <tr>
            <td><label><h2>login id:</h2></label></td>
            <td><input type="text" id="ida"/></td>
        </tr>
        <tr>
            <td><label><h2>password:</h2></label></td>
            <td><input type="password" id="pass"/></td>
        </tr>
        <tr>
            <td><a href="login.php"/><input type="submit" id="bu1"
class="button" value="Admin Login"/></td>
            <td><a href="graph.php"/><input type="button"
id="bu2" class="button" value="Emotion Log"/></td>
            <td><a href="user.html"/><input type="button"
id="bu3" class="button" value="User Login"/></td>

```

</tr>

</table> </form> </body> </html>

Admin page:

```
<html>
<title>Smart Health Emotion Tracking</title>
<head>
  <script>

  </script>
  <style>
    body{
      background-image:
url("https://media.licdn.com/dms/image/C561BAQEYKLXA3HpbBQ/company-
background_10000/0?e=2159024400&v=beta&t=705wqlXy30AR6YABm_hsnQnHFgN3szD0w_DsfbS_Xa0
");
      background-repeat: no-repeat;
      background-position: all;
      background-position: center;
    }div.a {
      text-align: center;
    }
    h1{
      font-size: 36;
      font-weight: bolder;
      color: #FF8C00;
    }

    h2{
      color: #FF8C00;
    }

    .button {
      background-color:#FF4500;
      border: none;
      color: white;
      padding: 15px 32px;
      text-align: center;
      text-decoration: none;
      display: inline-block;
      font-size: 16px;
      margin: 4px 2px;
      cursor: pointer;
    }
  </style>
</head>
<body>
```

```

        <div class="a"><h1>Welcome Admin! Select the operation to be
performed?</h1><br/><br/><br/>
        <h2>ADD AN ACTIVITY</h2>
        <a href="add.html"><input type="button" id="t1" class="button" value="add
data"/></a><br/><br/>
        <h2>SCHEDULE DETAILS</h2>
        <a href="schedule.php"><input type="button" id="t2" class="button"
value="schedule"/></a><br/><br/>
        <h2>VIEW HISTORY</h2>
        <a href="history.php"><input type="button" id="t3" class="button"
value="history"/></a><br/><br/></div>
    </body>        </html>

```

User Registration Page:

```

<html>
<title>Smart Health Emotion Tracking</title>
<head>
    <script>
        function startTime() {
            var today = new Date();
            var h = today.getHours();
            var m = today.getMinutes();
            var s = today.getSeconds();
            m = checkTime(m);
            s = checkTime(s);
            document.getElementById('t_datetime').innerHTML =
            h + ":" + m + ":" + s;
            var t = setTimeout(startTime, 500);
        }
        function checkTime(i) {
            if (i < 10) {i = "0" + i}; // add zero in front of numbers < 10
            return i;
        }
    </script>
    <style>
        body{
            background-image:
url("https://media.licdn.com/dms/image/C561BAQEYKLXA3HpbBQ/company-
background_10000/0?e=2159024400&v=beta&t=705wqlXy30AR6YABm_hsnQnHFgN3szD0w_DsfbS_Xa0
");
            background-repeat: no-repeat;
            background-position: all;
        }
        h1{
            font-size: 36;
            font-weight: bolder;

```



```

        color: #FF8C00;
    }
h2{
color:#FF8C00;
}
    label{
        font-size: 28;
        align-content: center;
        color: #ff8C00;
    }
    input{
        align-content:center;
    }
    div.a {
text-align: center;
}
        .button {
background-color:#FF4500;
border: none;
color: white;
padding: 15px 32px;
text-align: center;
text-decoration: none;
display: inline-block;
font-size: 16px;
margin: 4px 2px;
cursor: pointer;
}
#bu{
    text-align: center;
}

</style>
}
</head>
<body onload="startTime()">
    <h2 align="center"> SELECT AN ACTIVITY</h2>
    <form action="reg.php" method="post">
    <label>Activity type:</label>
    <select name="act" >
        <option>--TYPE--</option>
        <option>Assignment</option>
        <option>Quiz</option>
        <option>Exam</option>
        <option>Homework</option>
        <option>Project</option>
        <option>Club meeting</option>
        <option>Discussion</option>
        <option>Paper</option>

```

```

        <option>Tutoring</option>
    </select><br/><br/><br/>
    <div class="a">
        <input type="submit" id="hi1" class="button" value="SEARCH"/>
    </div>
</form>
</body>
</html>

```

User login check:

```

<html>
<title>Smart Health Emotion Tracking</title>
<head>
    <style>
        body{
            background-image:
url("https://media.licdn.com/dms/image/C561BAQEYKLXA3HpbBQ/company-
background_10000/0?e=2159024400&v=beta&t=705wqlXy30AR6YABm_hsnQnHFgN3szD0w_DsfbS_Xa0
");
            background-repeat: no-repeat;
            background-position: all;
        }
        h1{
            font-size: 36;
            font-weight: bolder;
            color: #FF8C00;
        }
        label{
            font-size: 28;
            color: #FF8C00;
        }
        input{
        }
        .button {
background-color:#FF4500;
border: none;
color: white;
padding: 15px 32px;
text-align: center;
text-decoration: none;
display: inline-block;
font-size: 16px;
margin: 4px 2px;
cursor: pointer;

```

```

}
#bu1,#bu2{
    text-align: center;
}
.center{
    display: block;
    margin-left: auto;
    margin-right: auto;
}

</style>
<script>

    function valeee(){
        document.getElementById("demo").innerHTML="mka";
        var x,y;
        x=document.getElementById("ida").value;
        y=document.getElementById("pass").value;

        if((x=="user1"&&y=="user1")||(x=="user2"&&y=="user2")||(x=="user3"&&y=="user3")||(x=="u
ser4"&&y=="user4")){
            document.getElementById("demo").innerHTML="welcome "+x;
        }
        else{
            document.getElementById("demo").innerHTML="incorrect
details.Please verify them."
        }
    }
</script>
</head>
<body>
<form onsubmit="valeee()" action="login.php" method="post">
    <p id="demo" name="np"></p>
    <br/><br/><br/>
    
    <br/><br/>
    <table align="center">
        <tr>

            <td><label><h2>login id:</h2></label></td>
            <td><input type="text" id="ida"/></td>
        </tr>

```

```

        <tr>
        <td><label><h2>password:</h2></label></td>
        <td><input type="password" id="pass"/></td>
        </tr>
        <tr><td><a href="user.php"/><input type="button" id="bu1"
class="button" value="LOGIN"/></td>
        <td><a href="graph.php"/><input type="button"
id="bu2" class="button" value="STATS"/></td>

        </tr>
        </table>

```

```

</form>
</body>
</html>

```

User Menu:

```

<html>
<title>Smart Health Emotion Tracking</title>
<head>
    <script>

    </script>
    <style>
    body{
        background-image:
url("https://media.licdn.com/dms/image/C561BAQEYKLXA3HpbBQ/company-
background_10000/0?e=2159024400&v=beta&t=705wqIXy30AR6YABm_hsnQnHFgN3szD0w_DsfbS_Xa0
");
        background-repeat: no-repeat;
        background-position: all;
    }div.a {
        text-align: center;
    }
    h1{
        font-size: 36;
        font-weight: bolder;
        color: #FF8C00;
    }

    h2{
        color: #FF8C00;
    }

    .button {
        background-color:#FF4500;
        border: none;

```

```

color: white;
padding: 15px 32px;
text-align: center;
text-decoration: none;
display: inline-block;
font-size: 16px;
margin: 4px 2px;
cursor: pointer;

</style>
</head>
<body>
    <div class="a"><h1>Welcome User!!What would you like to do?</h1><br/><br/><br/>
    <h2>REGISTER FOR ACTIVITY</h2>
    <a href="reg.html"><input type="button" id="tu1" class="button" value="register
data"/></a><br/><br/>
    <h2>VIEW SCHEDULE DETAILS</h2>
    <a href="schedule.php"><input type="button" id="tu2" class="button"
value="schedule"/></a><br/><br/>
    <h2>VIEW HISTORY</h2>
    <a href="history.php"><input type="button" id="tu3" class="button"
value="history"/></a><br/><br/></div>
</body>
</html>

```

Database connection:

```

<html>
<head>
    <script>

    </script>
    <style>
    body{
        background-image:
url("https://i.pinimg.com/originals/b0/a5/11/b0a511db97423cae060e667746da77de.jpg");
        background-repeat: no-repeat;
        background-position: all;
    }div.a {
        text-align: center;
    }
    h1{
        font-size: 36;
        font-weight: bolder;
        text-align: center;
    }
    .button {
        background-color:#8A2BE2;

```

```

border: none;
color: white;
padding: 15px 32px;
text-align: center;
text-decoration: none;
display: inline-block;
font-size: 16px;
margin: 4px 2px;
cursor: pointer;

</style>
</head>
<body>
    <?php
        $host="localhost";
        $user="root";
        $pass="";
        $dbname="stresswork";
        $conn=mysqli_connect($host,$user,$pass,$dbname);
        if(!$conn){
            die("could'nt connect:".mysqli_connect_error());
        }
        $sql="INSERT into
info(act_type,cour_name_no,due_datetime,grade_per,grad_nam,t_datetime,ini_rating)
values('$_POST[act_type]','$_POST[cour_name_no]','$_POST[due_datetime]','$_POST[grade_per]','$_POS
T[grad_nam]',CURRENT_TIMESTAMP,$_POST[ini_rating])";
        if(mysqli_query($conn,$sql))
        {

            echo "<h1>insertion success</h1>";

        }
        else
        {
            echo "insertion failure";
        }
    ?>

    <div class="a">
        <br/><br/><br/>
        <h2>GO BACK TO MENU</h2>
        <a href="menu.html"><input type="button" id="Qt1" class="button" value="BACK TO
MENU"/></a><br/><br/>
    </div>
</body>
</html>

```

Delete Operation logic:

```
<html>
<head>
<style>
    body{
        background-image:
url("https://i.pinimg.com/originals/b0/a5/11/b0a511db97423cae060e667746da77de.jpg");
        background-repeat: no-repeat;
        background-position: all;
    }div.a {
        text-align: center;
    }
table, th, td {
    border: 2px solid black;
    border-collapse: collapse;
}
h1{
    font-size: 36;
    font-weight: bolder;
    text-align: center;
}
td{
    text-align: center;
}

.button {
background-color:#8A2BE2;
border: none;
color: white;
padding: 15px 32px;
text-align: center;
text-decoration: none;
display: inline-block;
font-size: 16px;
margin: 4px 2px;
cursor: pointer;
}
</style>
</head>
<body>
    <?php
        $host="localhost";
        $user="root";
        $pass="";
        $dbname="stresswork";
        $va=$_POST["pin"];
        $conn=mysqli_connect($host,$user,$pass,$dbname);
        if(!$conn){
```

```

die("could'nt connect:".mysqli_connect_error());
}
$sql="DELETE FROM info WHERE act_type='$va'";
if(mysqli_query($conn,$sql))
{
    echo "<h1>DELETION SUCCESS!!!!</h1>";
}
else{
    echo "failure";
}
$sql1="SELECT * FROM info ORDER BY t_datetime";
$retval=mysqli_query($conn,$sql1);
if(mysqli_num_rows($retval)>0){
    echo "<table >
        <tr>
            <th>ACTIVITY TYPE </th>
            <th>COURSE NAME/NUMBER </th>
            <th>DUE DATE AND TIME </th>
            <th>GRADE WORTH </th>
            <th>GRADE TYPE </th>
            <th>CREATED DATE AND TIME </th>
            <th>INITIAL RATING </th>
            <th>CHANGED RATING </th>
        </tr>";
    while($row =mysqli_fetch_array($retval)){

        echo "<tr>";
        echo "<td>".$row['act_type']. "</td>";
        echo "<td>".$row['cour_name_no']. "</td>";
        echo "<td>".$row['due_datetime']. "</td>";
        echo "<td>".$row['grade_per']. "</td>";
        echo "<td>".$row['grad_nam']. "</td>";
        echo "<td>".$row['t_datetime']. "</td>";
        echo "<td>".$row['ini_rating']. "</td>";
        echo "<td>".$row['ch_rating']. "</td>";
        echo "</tr>";
    }
    echo "</table>";

}
mysqli_close($conn);
?>
<div class="a">
    <br/><br/><br/>
    <h2>GO BACK TO MENU</h2>
    <a href="login.html"><input type="button" id="Qt1" class="button" value="BACK TO
HOME"/></a><br/><br/>
</div>

```



```
</body>
</html>
```

Emotional analyzer page logic:

```
<?php
$host="localhost";
$user="root";
$pass="";
$dbname="stresswork";
$conn=mysqli_connect($host,$user,$pass,$dbname);
if(!$conn){
    die("could'nt connect:".mysqli_connect_error());
}
#echo "connection success";
$sql="SELECT * FROM info ORDER BY due_datetime";
$retval=mysqli_query($conn,$sql);
$o=0;$t=0;$th=0;$f=0;$fi=0;$s=0;$se=0;$e=0;$n=0;$te=0;$z=0;$demo=0;
if(mysqli_num_rows($retval)>0){
    while($row =mysqli_fetch_array($retval)){
        if($row['ch_rating']==NULL){
            $demo=$row['ini_rating'];
            if($demo==0){
                $z++;
            }
            if($demo==1){
                $o++;
            }
            if($demo==2){
                $t++;
            }
            if($demo==3){
                $th++;
            }
            if($demo==4){
                $f++;
            }
            if($demo==5){
                $fi++;
            }
            if($demo==6){
                $s++;
            }
            if($demo==7){
                $se++;
            }
            if($demo==8){
                $e++;
            }
        }
    }
}
```

```

        }
        if($demo==9){
            $n++;
        }
        if($demo==10){
            $te++;
        }
    }
    else{

        $demo=$row['ch_rating'];

        if($demo==0){

            $z++;

        }

        if($demo==1){

            $o++;

        }

        if($demo==2){

            $t++;

        }

        if($demo==3){

            $th++;

        }

        if($demo==4){

            $f++;

        }

        if($demo==5){

            $fi++;

        }
    }

```



```

);
?>
<!DOCTYPE HTML>
<html>
<head>
<script>
window.onload = function() {

var chart = new CanvasJS.Chart("chartContainer", {
    animationEnabled: true,
    theme: "light2",
    title:{
        text: "EMOTION TRACKING"
    },
    axisY: {
        title: "AVERAGE EMOTION(in num)"
    },
    data: [{
        type: "column",
        yValueFormatString: "#,##0.## tonnes",
        dataPoints: <?php echo json_encode($dataPoints, JSON_NUMERIC_CHECK); ?>
    }]
});
chart.render();

}

</script>
<style>
    div.a {
        text-align: center;
    }
    .button {
        background-color:#8A2BE2;
        border: none;
        color: white;
        padding: 15px 32px;
        text-align: center;
        text-decoration: none;
        display: inline-block;
        font-size: 16px;
        margin: 4px 2px;
        cursor: pointer;
    }

</style>
</head>
<body>

```

```

<div id="chartContainer" style="height: 370px; width: 100%;"></div>
<script src="https://canvasjs.com/assets/script/canvasjs.min.js"></script>
<div class="a">
    <br/><br/><br/>
    <h2>GO BACK TO HOME</h2>
    <a href="login.html"><input type="button" id="Qt1" class="button" value="BACK TO
HOME"/></a><br/><br/>
</div>
</body>
</html>

```

History connection logic:

```

<html>
<head>
<style>
    body{
        background-image:
url("https://i.pinimg.com/originals/b0/a5/11/b0a511db97423cae060e667746da77de.jpg");
        background-repeat: no-repeat;
        background-position: all;
    }div.a {
        text-align: center;
    }

    .button {
        background-color:#8A2BE2;
        border: none;
        color: white;
        padding: 15px 32px;
        text-align: center;
        text-decoration: none;
        display: inline-block;
        font-size: 16px;
        margin: 4px 2px;
        cursor: pointer;
    }
    table, th, td {
        border: 2px solid black;
        border-collapse: collapse;
    }
    td{
        text-align: center;
    }
</style>

</head>
<body>

```

```

        <div class="a">
        <h1>HISTORY</h1>
    </div>
    <?php
    $host="localhost";
    $user="root";
    $pass="";
    $dbname="stresswork";
    $conn=mysqli_connect($host,$user,$pass,$dbname);
    if(!$conn){
    die("could'nt connect:".mysqli_connect_error());
    }
    #echo "connection success";
    $sql="SELECT * FROM info ORDER BY t_datetime";
    $retval=mysqli_query($conn,$sql);
    if(mysqli_num_rows($retval)>0){

    echo "<table >
        <tr>
            <th>ACTIVITY TYPE </th>
            <th>COURSE NAME/NUMBER </th>
            <th>DUE DATE AND TIME </th>
            <th>GRADE WORTH </th>
            <th>GRADE TYPE </th>
            <th>CREATED DATE AND TIME </th>
            <th>INITIAL RATING </th>
            <th>CHANGED RATING</th>
        </tr>";
    while($row =mysqli_fetch_array($retval)){

        echo "<tr>";
        echo "<td>".$row['act_type']. "</td>";
        echo "<td>".$row['cour_name_no']. "</td>";
        echo "<td>".$row['due_datetime']. "</td>";
        echo "<td>".$row['grade_per']. "</td>";
        echo "<td>".$row['grad_nam']. "</td>";
        echo "<td>".$row['t_datetime']. "</td>";
        echo "<td>".$row['ini_rating']. "</td>";
        echo "<td>".$row['ch_rating']. "</td>";
        echo "</tr>";
    }
    echo "</table>";
    }
    else{
    echo "no history details";
    }
    ?>
    <form method="post" action="delete.php">

```

```

        <br/><br/><br/>
        <label>SELECT THE TYPE OF ACTIVITY WHTICH YOU WOULD LIKE TO DELETE:</label>
        <select name="pin">
        <option>--TYPE--</option>
        <option value="assignment">assignment</option>
        <option value="quiz">quiz</option>
        <option value="exam">exam</option>
        <option value="homework">homework</option>
        <option value="project">project</option>
        <option value="club meeting">club meeting</option>
        <option value="discussion">discussion</option>
        <option value="paper">paper</option>
        <option value="tutoring">tutoring</option>
        </select><br/><br/><br/><br/><br/>
        <div class="a">
            <input type="submit" id="hi1" class="button" value="DELETE?"/>
        </div>
    </form>
</body>
</html>

```

User registration connection logic:

```

<html>
<head>
<style>
    body{
        background-image:
url("https://i.pinimg.com/originals/b0/a5/11/b0a511db97423cae060e667746da77de.jpg");
        background-repeat: no-repeat;
        background-position: all;
    }div.a {
        text-align: center;
    }
    table, th, td {
        border: 2px solid black;
        border-collapse: collapse;
    }
    h1{
        font-size: 36;
        font-weight: bolder;
        text-align: center;
    }
    td{
        text-align: center;
    }
    .button {
        background-color:#8A2BE2;

```

```

border: none;
color: white;
padding: 15px 32px;
text-align: center;
text-decoration: none;
display: inline-block;
font-size: 16px;
margin: 4px 2px;
cursor: pointer;
}
</style>
</head>
<body>
    <?php
        $host="localhost";
        $user="root";
        $pass="";
        $dbname="stresswork";
        $va=$_POST["act"];
        $conn=mysqli_connect($host,$user,$pass,$dbname);
        if(!$conn){
            die("could'nt connect:".mysqli_connect_error());
        }
        $sql="SELECT * FROM info WHERE act_type='$va'";
        if(mysqli_query($conn,$sql))
        {
            echo "<h1>DATA!!!!</h1>";
        }
        else{
            echo "failure";
        }
        $retval=mysqli_query($conn,$sql);
        if(mysqli_num_rows($retval)>0){
            echo "<table >
                <tr>
                    <th>ACTIVITY TYPE </th>
                    <th>COURSE NAME/NUMBER </th>
                    <th>DUE DATE AND TIME </th>
                    <th>GRADE WORTH </th>
                    <th>GRADE TYPE </th>
                    <th>CREATED DATE AND TIME </th>
                    <th>INITIAL RATING </th>
                </tr>";
            while($row =mysqli_fetch_array($retval)){
                echo "<tr>";
                echo "<td>".$row['act_type'].</td>";
                echo "<td>".$row['cour_name_no'].</td>";
            }
        }
    }

```



```

        echo "<td>".$row['due_datetime']."</td>";
        echo "<td>".$row['grade_per']."</td>";
        echo "<td>".$row['grad_nam']."</td>";
        echo "<td>".$row['t_datetime']."</td>";
        echo "<td>".$row['ini_rating']."</td>";
        echo "</tr>";
    }
    echo "</table>";

}
mysqli_close($conn);
?><br/><br/><br/>
<form action="sub1.php" method="post">
    <label>Enter the name of course name/number/section to change the
value</label><input type="text" name="cour"><br/><br/>
    <br/><br/><br/>
    <h2>register to the activity by giving the emotion for that work</h2>
    
    <br/>
    <label>emotional scale value</label>
    <input type="number" name="ini_ra" min="0" max="10">
    <br/><br/>
    <div class="a"><button class="button">SUBMIT</button></div>
    <br/>
    </form>
</body>
</html>

```

Schedule logic:

```

<html>
<head>
<style>
    body{
        background-image:
url("https://i.pinimg.com/originals/b0/a5/11/b0a511db97423cae060e667746da77de.jpg");
        background-repeat: no-repeat;
        background-position: all;
    }div.a {
        text-align: center;
    }
    table, th, td {
        border: 2px solid black;
        border-collapse: collapse;
    }
    h1{
        font-size: 36;
    }

```

```

        font-weight: bolder;
    }
    td{
        text-align: center;
    }
    .button {
        background-color:#8A2BE2;
        border: none;
        color: white;
        padding: 15px 32px;
        text-align: center;
        text-decoration: none;
        display: inline-block;
        font-size: 16px;
        margin: 4px 2px;
        cursor: pointer;
    }
</style>
</head>
<body>
    <div class="a">
        <h1>SCHEDULE</h1>
    </div>
    <?php
        $host="localhost";
        $user="root";
        $pass="";
        $dbname="stresswork";
        $conn=mysqli_connect($host,$user,$pass,$dbname);
        if(!$conn){
            die("could'nt connect:".mysqli_connect_error());
        }
        #echo "connection success";
        $sql="SELECT * FROM info ORDER BY due_datetime";
        $retval=mysqli_query($conn,$sql);
        if(mysqli_num_rows($retval)>0){

            echo "<table >
                <tr>
                    <th>ACTIVITY TYPE </th>
                    <th>COURSE NAME/NUMBER </th>
                    <th>DUE DATE AND TIME </th>
                    <th>GRADE WORTH </th>
                    <th>GRADE TYPE </th>
                    <th>CREATED DATE AND TIME </th>
                    <th>INITIAL RATING </th>
                    <th>CHANGED RATING </th>
                </tr>";

```

```

while($row =mysql_fetch_array($retval)){

    echo "<tr>";
    echo "<td>".$row['act_type']. "</td>";
    echo "<td>".$row['cour_name_no']. "</td>";
    echo "<td>".$row['due_datetime']. "</td>";
    echo "<td>".$row['grade_per']. "</td>";
    echo "<td>".$row['grad_nam']. "</td>";
    echo "<td>".$row['t_datetime']. "</td>";
    echo "<td>".$row['ini_rating']. "</td>";
    echo "<td>".$row['ch_rating']. "</td>";
    echo "</tr>";

}
echo "</table>";
#echo "Fetched data successfully\n";
}else{
    echo "<h1>Oops!!! No data Found.";
}

mysql_close($conn);
?>
<div class="a">
    <br/><br/><br/>
    <h2>GO BACK TO HOME</h2>
    <a href="login.html"><input type="button" id="Qt1" class="button" value="BACK TO
HOME"/></a><br/><br/>
</div>
</body>
</html>

```