

FINAL PROJECT GROUP 3 PROGRESS REPORT

Work done so far:

1. [✓] Login selection screen.
2. [✓]Registration Screen.
3. [] Implement registration system
4. [✓] Login screen for both Teacher and student.
5. [✓] The Calendar layout.
6. [✓] Data Storage.
7. [✓] References in the paper.
8. [✓] The General and specific objectives in the documentation paper.
9. [✓]Modularize the code
10. [] Flow Chart
11. [] Pseudo Code

Contributions:

Braganza, Ralph Angelov F. – added more references and fixed the introduction's grammar and flow. Added a couple more slides to the powerpoint to make the foundation of what we are trying to portray.

Condino, Niel Vincent B. – Helped with the modularization of the code, created the registration system, fixed errors and improved the overall code.

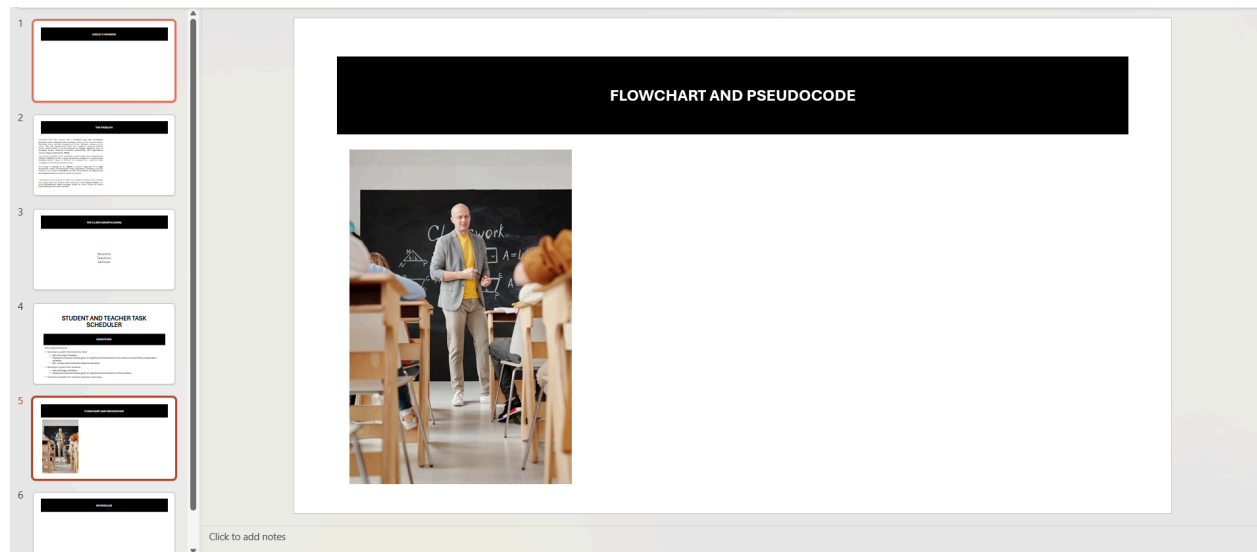
Lisud, Ian Paulo S - Improved the login system and menu to look more appealing.

Lopez, Andrei Dion C – fixed some errors and improved the login system menus that are dynamically interactive and helped with modularization of the code.

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PROOF OF PROGRESS

PowerPoint Progress(Braganza)



<conclude results and discussions, add recommendations>

References

<APA Format Alphabetical Order>

REFERENCE (NOT IN ORDER AND NOT IN APA YET)

Lcsw, M. V. (2025, May 28). *Academic pressure: causes, effects, and coping strategies*. Mental Health Center Kids.
<https://mentalhealthcenterkids.com/blogs/articles/academic-pressure#:~:text=Excessive%20levels%20of%20academic%20pressure,to%20ensure%20their%20well%2Dbeing>.

[Academic Pressure: Causes, Effects, and Coping Strategies – Mental Health Center Kids](#)

- [2. Associations Between Academic Stress and Depressive Symptoms Mediated by Anxiety Symptoms and Hopelessness Among Chinese College Students - PMC](#)
- [3. How to Focus on Homework to Get It Done on Time | American Public University](#)
- [4. The Importance of Homework in Students' Life - 21K School](#)
- [5. How Homework Affects Students: The Pros And Cons | NSHSS | National Society of High School Scholars](#)

IMAGES:

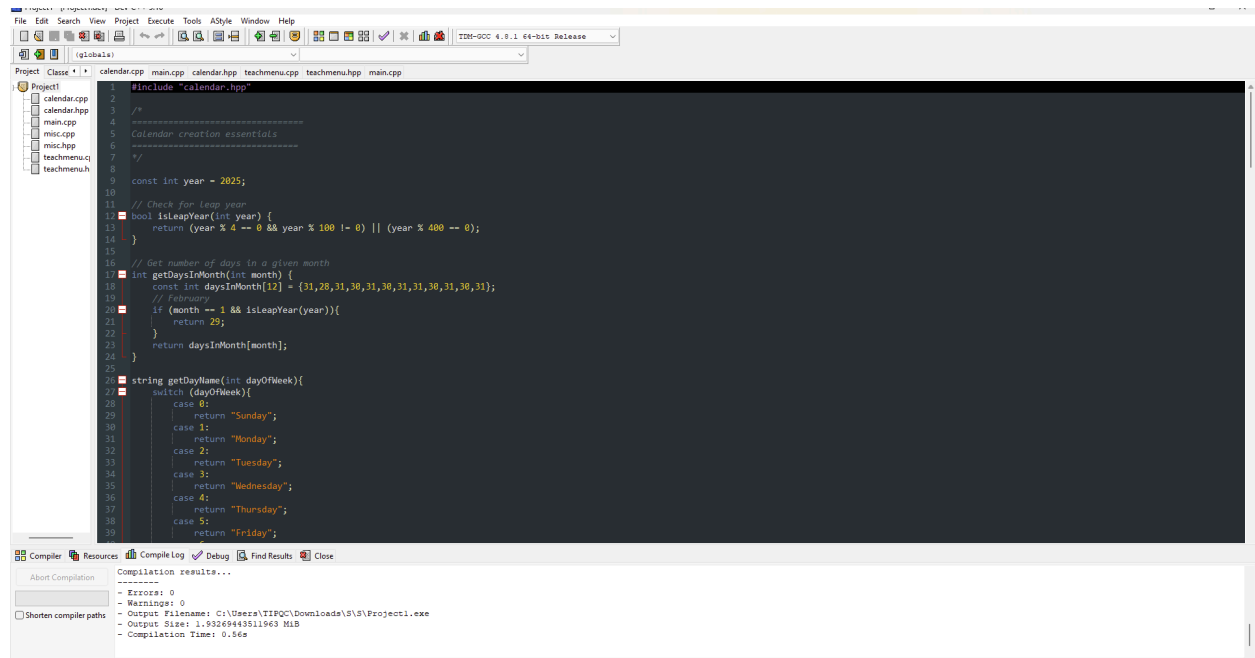
[Teacher Standing in Front of a Blackboard · Free Stock Photo](#)

https://docs.google.com/document/d/1btWejPXBIf97OL9f-pWholXbwmrXW_uBohhYvY_ko8Q/e_dit?usp=sharing

249 for Center dot

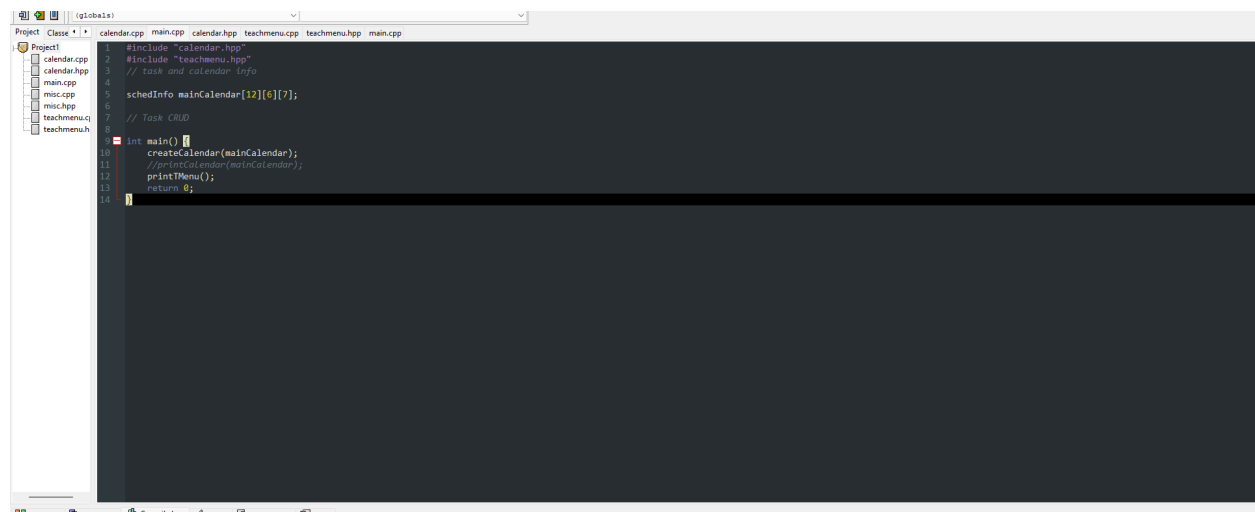
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Code Progress (Condino/Lisud/Lopez)



```
1 #include "calendar.hpp"
2
3 /**
4  * =====
5  * Calendar creation essentials
6  * =====
7  */
8
9 const int year = 2025;
10
11 // Check for leap year
12 bool isLeapYear(int year) {
13     return (year % 4 == 0 && year % 100 != 0) || (year % 400 == 0);
14 }
15
16 // Get number of days in a given month
17 int getDaysInMonth(int month) {
18     const int daysInMonth[12] = {31, 28, 31, 30, 31, 30, 31, 31, 30, 31, 30, 31};
19     // February
20     if (month == 1 && isLeapYear(year)) {
21         return 29;
22     }
23     return daysInMonth[month];
24 }
25
26 string getDayName(int dayOfWeek) {
27     switch (dayOfWeek) {
28         case 0:
29             return "Sunday";
30         case 1:
31             return "Monday";
32         case 2:
33             return "Tuesday";
34         case 3:
35             return "Wednesday";
36         case 4:
37             return "Thursday";
38         case 5:
39             return "Friday";
40     }
41 }
```

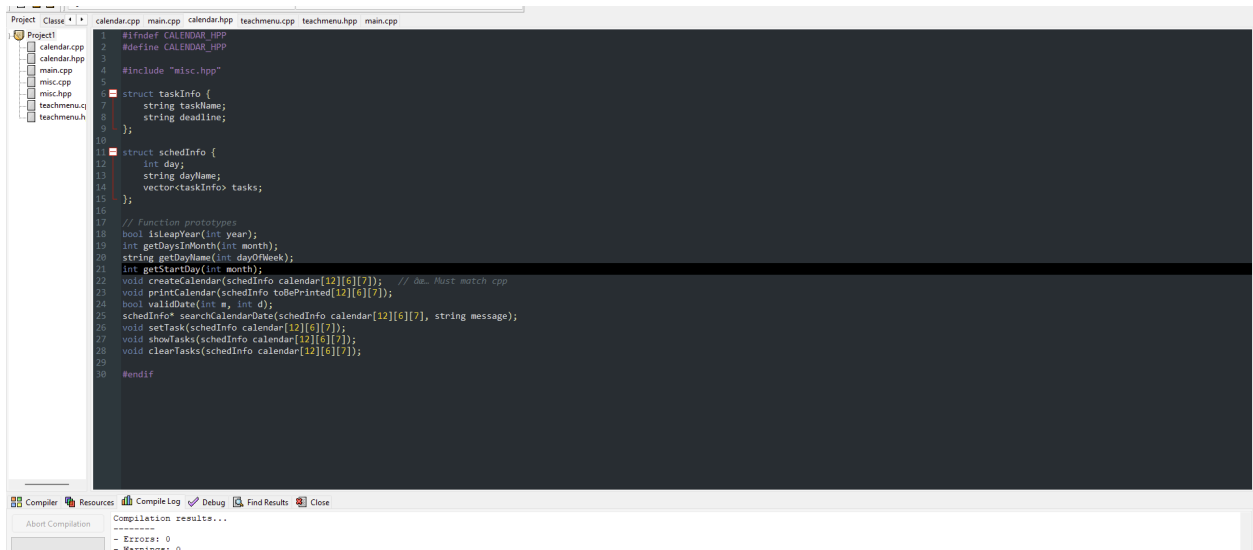
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Resources: C:\Users\TIPQC\Downloads\5\5\Project1.exe
Shorten compiler paths: [x]
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\TIPQC\Downloads\5\5\Project1.exe
- Output Size: 1,932,694,935,119,63 MIB
- Compilation Time: 0,56s




```
1 #include "calendar.hpp"
2 #include "teachmenu.hpp"
3 // task and calendar info
4
5 schedInfo mainCalendar[12][6][7];
6 // Task CRUD
7
8 int main() {
9     createCalendar(mainCalendar);
10    // printCalendar(mainCalendar);
11    printMenu();
12    return 0;
13 }
```

Compiler: g++ 11.2.0
Resources: C:\Users\TIPQC\Downloads\5\5\Project1.exe
Shorten compiler paths: [x]
Compilation results...
- Errors: 0
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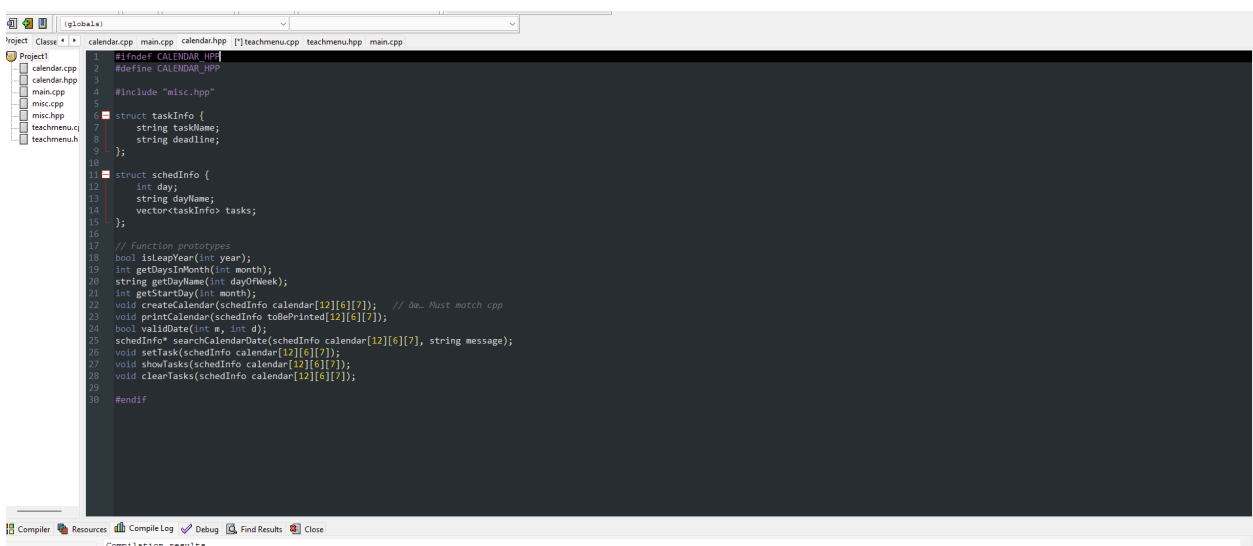
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```
1 #ifndef CALENDAR_HPP
2 #define CALENDAR_HPP
3
4 #include "misc.hpp"
5
6 struct taskInfo {
7     string taskName;
8     string deadline;
9 };
10
11 struct schedInfo {
12     int day;
13     string dayName;
14     vector<taskInfo> tasks;
15 };
16
17 // Function prototypes
18 bool isLeapYear(int year);
19 int getDaysInMonth(int month);
20 string getDayName(int dayOfWeek);
21 int getStartDay(int month);
22 void createCalendar(schedInfo calendar[12][6][7]); // da... Must match cpp
23 void printCalendar(schedInfo toBePrinted[12][6][7]);
24 bool validateDate(int m, int d);
25 schedInfo* searchCalendarDate(schedInfo calendar[12][6][7], string message);
26 void setTask(schedInfo calendar[12][6][7]);
27 void showTasks(schedInfo calendar[12][6][7]);
28 void clearTasks(schedInfo calendar[12][6][7]);
29
30 #endif
```



```
1 #include "teachmenu.hpp"
2
3 void printMenu() {
4     system("CLS");
5     cout << "===== TEACHER MENU =====\n";
6     for (int i = 0; i < TEACHER_MENU_ITEMS; i++) {
7         if (i == currRow) {
8             cout << " * " << char(249) << " * " << teachMenu[i] << endl;
9         }
10         else {
11             cout << "   " << teachMenu[i] << endl;
12         }
13     }
14     cout << "\nUse UP/DOWN arrows to navigate. Press ENTER to select.\n\n";
15 }
16
17 void teachSelection() {
18 }
19
20 void handleSelection() {
21 }
22
23 }
```



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2 #define CALENDAR_HPP
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24 bool validateDate(int m, int d);
25 schedInfo* searchCalendarDate(schedInfo calendar[12][6][7], string message);
26 void setTask(schedInfo calendar[12][6][7]);
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2
3 void printMenu() {
4     system("CLS");
5     cout << "===== TEACHER MENU =====\n\n";
6     for (int i = 0; i < teachMENU_ITEMS; i++) {
7         if (i == currRow) {
8             cout << " " << char(249) << " " << teachMenu[i] << endl;
9         }
10        else {
11            cout << " " << teachMenu[i] << endl;
12        }
13    }
14    cout << "\nUse UP/DOWN arrows to navigate. Press ENTER to select.\n\n";
15 }
16
17 void teachSelection(schedInfo calendar[12][6][7]) {
18     while (true) {
19         if (_kbhit()) {
20             int ch = _getch();
21             if (ch == 0 || ch == 224) {
22                 ch = _getch();
23                 switch (ch) {
24                     case 72: currRow--; if (currRow < 0) currRow = teachMENU_ITEMS - 1; break;
25                     case 80: currRow++; if (currRow >= teachMENU_ITEMS) currRow = 0; break;
26                 }
27                 printMenu();
28             } else if (ch == 13) {
29                 handleSelection(calendar);
30                 printMenu();
31             }
32         }
33     }
34 }
35
36 void handleSelection(schedInfo calendar[12][6][7]) {
37     do {
38         switch (currRow) {
39             case 0:
```