

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)

The screenshot shows a PowerPoint slide with a vertical list of numbered items on the left and a video thumbnail on the right.

List of Progress Items:

- 1 [Redacted]
- 2 [Redacted]
- 3 [Redacted]
- 4 STUDENT AND TEACHER TASK SCHEDULER
[Redacted]
- 5 [Redacted]
- 6 [Redacted]

Video Thumbnail:

FLOWCHART AND PSEUDOCODE

A thumbnail image of a video showing a teacher standing in front of a chalkboard in a classroom setting. The chalkboard has some mathematical drawings and text on it. Several students are seated at desks in the foreground, facing the teacher.

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References/Documentation (Condino/Braganza)

100% | Normal text | Arial | 1 2 3 4 5 6 7

<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/edit?usp=sharing

249 for Center dot

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Code Progress (Condino/Lisud/Lopez)

calendar.cpp

```
#include "calendar.hpp"
#include "teachmenu.hpp"
// task and calendar info
schedInfo mainCalendar[12][6][7];
// Task CRUD
int main() {
    createCalendar(mainCalendar);
    //printCalendar(mainCalendar);
    printMenu();
    return 0;
}
```

Project Classes calendar.cpp main.cpp calendar.hpp teachmenu.hpp main.cpp

File Edit Search View Project Execute Tools ASyle Window Help

TIFF-GCC 4.8.1 64-bit Release

Project calendar.cpp calendar.hpp main.cpp misc.cpp misc.hpp teachmenu.hpp teachmenu.h

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

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output filename: C:\Users\TIPQC\Downloads\S\S\Project1.exe
- Output Size: 1.9326943511963 MiB
- Compilation Time: 0.56s

Shorten compiler paths

calendar.cpp

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#include "calendar.hpp"
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Project Classes calendar.cpp main.cpp calendar.hpp teachmenu.hpp main.cpp

File Edit Search View Project Execute Tools ASyle Window Help

TIFF-GCC 4.8.1 64-bit Release

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

FINAL PROJECT GROUP 3 PROGRESS REPORT

The image shows a Windows desktop environment with three windows open:

- Top Window:** A code editor showing calendar.cpp. It contains C++ code for a calendar application, including structures for task and schedule information, and various functions like isLeapYear, getDaysInMonth, getDayName, getStartDay, createCalendar, printCalendar, validateDate, searchCalendar, setTask, showTasks, and clearTasks.
- Middle Window:** A code editor showing teachmenu.cpp. It contains C++ code for a teacher menu system. The code includes a printMenu function that prints a menu with teacher names and their selection numbers, and a handleTSelection function that handles user input for selecting a teacher.
- Bottom Window:** A code editor showing calendar.cpp again, identical to the top one. This window also has a terminal window titled "Simplifying Test" open, showing command-line output related to the project's build or test results.

```
calendar.cpp main.cpp calendar.hpp teachmenu.cpp teachmenu.hpp main.cpp

1 //Defined 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]); // ðœ... Must match cpp
23 void printCalendar(schedInfo toBePrinted[12][6][7]);
24 bool validateDate(int m, int d);
25 schedInfo searchCalendar(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

Compiler Resources Compile Log Debug Find Results Close
Compilation results...
- Errors: 0
- Warnings: 0

Project Class calendar.hpp main.cpp calendar.hpp teachmenu.hpp teachmenu.hpp main.cpp

1 #include "teachmenu.hpp"
2
3 void printMenu() {
4     system("CLS");
5     cout << "----- TEACHER MENU ----- \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();
18
19
20
21 void handleTSelection() {
22
23 }

Compiler Resources Compile Log Debug Find Results Close
Compilation results...
About Compilation

(globals)
project Class calendar.hpp main.cpp calendar.hpp teachmenu.cpp teachmenu.hpp main.cpp

1 //Defined CALENDAR_HPP
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3
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9 };
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11 struct schedInfo {
12     int day;
13     string dayName;
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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]); // ðœ... Must match cpp
23 void printCalendar(schedInfo toBePrinted[12][6][7]);
24 bool validateDate(int m, int d);
25 schedInfo searchCalendar(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
```

FINAL PROJECT GROUP 3 PROGRESS REPORT

```
1 #include "teachmenu.hpp"
2
3 void printTMenu() {
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 == 8 || 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                 printTMenu();
28             } else if (ch == 13) {
29                 handleSelection(calendar);
30                 printTMenu();
31             }
32         }
33     }
34 }
35
36 void handleTSelection(schedInfo calendar[12][6][7]) {
37     do {
38         switch (currRow) {
39             case 0:
```