

# Programming Project / C++ – Note Management & Interaction System –

Student 1: Al Hariri Yashfen

Student 2: Aisha Luthfi Abousher

## I. Task Description

Student 1 is responsible for managing the notes :

- Adding a new note with date and time
- Deleting notes by date
- Modifying the text or date of existing notes

Student 2 is responsible for interacting with the notes:

- Viewing all notes
- Viewing notes for a specific date
- Organizing and reviewing notes

## II. Data Structures Used by the Team

The following classes will be used:

- Date : int day , int month, int year
- Note : Date date , int hour , int minute , std::string text
- NoteManager : manages a collection of Note objects

## III. File Structure

The following files will be used:

notes.txt

A file where notes are stored in the form:

<day> <month> <year> <hour> <minute>|<note text >

## IV. Interacting with Executables

Application 1 will offer the following options:

`./app_1.exe add_note <day> <month> <year> <hour> <minute> <text>`

To add a new note

`./app_1.exe delete_note <day> <month> <year>`

To delete a note by date

`./app_1.exe edit_note <day> <month> <year> <new_text>`

To modify the text of a note

Application 2 will offer the following options:

`./app_2.exe view_notes`

To view all notes

`./app_2.exe view_notes_by_date <day> <month> <year>`

To view notes for a specific date