Programming Project / C++ – Store Management & Interaction System –

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**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:

./notes\_app add

Then the date <day> <month> <year><hour><minute>

Then the note <text>

To add a new note

./notes\_app edit <day> <month> <year> <new\_text>

To delete a note by date

./notes\_app delete <day> <month> <year>

To modify the text of a note

Application 2 will offer the following options:

./note\_viewer view

To view all saved notes.

./note\_viewer view-by-date <day> <month> <year>

To view notes for a specific date