

DAYANANDA SAGAR COLLEGE OF ENGINEERING

SS MINOR PROJECT 2023-2024

TEXT EDITOR IMPLEMENTATION

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INTRODUCTION

- A text editor is a tool that allows a user to create and edit documents in a computer. Though this task can be carried out in other modes, the word text editor commonly refers to the tool that does this interactively.

MOTIVATION

- A text editor is one of the most versatile system software applications that is found on all computers today. They are used for text manipulation functions like cut, copy, paste, delete and save. The text editor strives to implement a fresh user interface with a number of functions to make the editor useful and simple for the user.

FUNCTIONAL CAPABILITIES

- ☐ Create File
- ☐ Add to File
- ☐ Read File
- ☐ Empty File
- ☐ Delete File
- ☐ Copy File
- ☐ List Files
- ☐ Exit

ADOPTED METHODOLOGY

File Handling :

File handling in C++ is a mechanism to store the output of a program in a file and help perform various operations on it. Files help store these data permanently on a storage device. The term “Data” is commonly referred to as known facts or information

ios::app	Append: Adding Data in the End of Existing file (eof)
std::string::c_str	Returns a pointer to an array that contains a null-terminated sequence of characters (i.e., a C-string) representing the current value of the string object.
cin.ignore	The cin. ignore() function is used which is used to ignore or clear one or more characters from the input buffer.

MENU SCREENSHOT

Welcome to Text Editor

Main Menu

1. Create File
2. Add to File
3. Read from File
4. Empty File
5. Delete File
6. Copy File
7. List Files
8. Exit

Enter Choice:

CREATING A FILE

Main Menu

1. Create File
2. Add to File
3. Read from File
4. Empty File
5. Delete File
6. Copy File
7. List Files
8. Exit

Enter Choice: 1

Enter name of file: adit

File Created Successfully

Main Menu

1. Create File
2. Add to File
3. Read from File
4. Empty File
5. Delete File
6. Copy File
7. List Files
8. Exit

Enter Choice:

≡ adit.txt

≡ aditi.txt

≡ aditi2.txt

≡ aditya.txt

ADDING DATA

Main Menu

1. Create File
2. Add to File
3. Read from File
4. Empty File
5. Delete File
6. Copy File
7. List Files
8. Exit

Enter Choice: 2

Enter name of file: adit

Enter text to write to file: (Enter END to complete)

Hello guyss , I am Adit Pal Singh Sasan

END

EMPTY FILE

```
edit.txt
```

```
1
```

File Emptied Successfully

Main Menu

1. Create File
2. Add to File
3. Read from File
4. Empty File
5. Delete File
6. Copy File
7. List Files
8. Exit

Enter Choice:

COPY

```
≡ aditi2.txt
1  Hey everyone. This is Aditi. I
   am glad that I can present in
   front of you
2
≡ aditi3.txt
1  Hey everyone. This is Aditi. I
   am glad that I can present in
   front of you
2
```

File Copied Successfully

Main Menu

1. Create File
2. Add to File
3. Read from File
4. Empty File
5. Delete File
6. Copy File
7. List Files
8. Exit

Enter Choice:

LIST FILES

```
≡ adit.txt
≡ aditi.txt
≡ aditi2.txt
≡ aditi3.txt
≡ aditya.txt
≡ akj.txt
⚙ Text-Editor.C
≡ Text-Editor.exe
⚙ Text-Editor2.C
≡ Text-Editor2.exe
≡ Text.exe
```

```
Main Menu
List of Files:
adit.txt
aditi.txt
aditi2.txt
aditi3.txt
aditya.txt
akj.txt
Text-Editor.C
Text-Editor.exe
Text-Editor2.C
Text-Editor2.exe
Text.exe
```

```
Main Menu
-----
1. Create File
2. Add to File
3. Read from File
4. Empty File
5. Delete File
6. Copy File
7. List Files
8. Exit
```

```
Enter Choice: █
```

THANK YOU!

