

CPSC 254 Final Project - NotesApp

Nicholas Lui
Omar Mann
Cesar Sepulveda

Program Description

This program is a note-taking application written in C++ and uses the graphics library GTK to provide a graphical user interface (GUI) for users. First, the application will use the GUI to prompt the user to enter some notes. It will then append the date to the notes and create a text file with both the notes and the date.

How To Compile

In order to compile this program, you need to have gtkmm-3.0 and g++ installed on your system. To do that you will use the following commands:

- `sudo apt-get install libgtkmm-3.0-dev`
- `sudo apt install g++`

To compile use the following commands:

- `g++ -c -Wall notesApp.cc -o notesApp.o `pkg-config gtkmm-3.0 --cflags``
- `g++ -c -Wall main.cc -o main.o `pkg-config gtkmm-3.0 --cflags``
- `g++ notesApp.o main.o -o notesApp `pkg-config gtkmm-3.0 --libs``

To execute and run the program use the following command:

- `./notesApp`

Libraries

- `iostream`: Is C++'s Standard Input/Output Streams Library. This library defines the standard input/output stream objects used in C++.
- `gtkmm/stock.h`: Is a GTK header that adds various functions such as `add()`, `lookup()` and `get_ids()` to help manage stock items.
- `gtkmm.h`: The `gtkmm.h` header includes the entire `gtkmm` kit.
- `gtkmm/application.h`: The `Gtk::Application` header handles `gtkmm` initialization, session management, basic scriptability, and shell integration by exporting menus and actions. It also allows for the life-cycle of an application to be applied to the life-cycle of a list of top-level windows.

Screenshots

```
caedo@sep:~/Desktop/notes/CPSC254FinalProject-main$ g++ -c -Wall notesApp.cc -o notesApp.o `pkg-config g
gtkmm-3.0 --cflags`
caedo@sep:~/Desktop/notes/CPSC254FinalProject-main$ g++ -c -Wall main.cc -o main.o `pkg-config gtkmm-
3.0 --cflags`
caedo@sep:~/Desktop/notes/CPSC254FinalProject-main$ g++ notesApp.o main.o -o notesApp `pkg-config gtk
mm-3.0 --libs`
caedo@sep:~/Desktop/notes/CPSC254FinalProject-main$ ./notesApp
```

- Add New Note

Notes

add notes to list

Add New Note

Save Edit

Delete Note

ID

Note Entry

1

add notes to list

2

add notes to list using Add New Note button

- Save Edit

Notes

add notes to list - edit using Save Edit

Add New Note

Save Edit

Delete Note

ID

Note Entry

1

add notes to list - edit using Save Edit

2

add notes to list using Add New Note button

- Delete button

Notes

add notes to list - edit using Save Edit

Add New Note

Save Edit

Delete Note

ID

Note Entry

1

add notes to list - edit using Save Edit