CS370 Spring 2019 Project 3 Overhead Message Board GUI

by Wenbin Wu

Programming Language
Python 3+

3rd-party Python GUI library required
wxpython version 4.0.4

Source Code files
- alphabet.py
- messageboard.py

Program Run Instruction

1. Install Python3:

    Python3 download
    https://www.python.org/downloads/

2. Install wxpython using pip:

    from command line type:
    pip3 install wxpython

3a. After installing Python3 and wxpython, application should be able to run from an IDE by running the messageboard.py.

3b. Alternative way to run the program is from command line. From command line, navigate to the source code folder containing .py files, then use the following command to run the program:
    python3 messageboard.py

GUI Usage:

- The GUI contains 3 lines of text input fields composing a simulated overhead message board.
- Each line can display at least 20 characters.
- The GUI window can be resized horizontally to extend the lines, to disply more characters.
- Type on a line and press the "Enter" key to convert the message into its dot matrix encoding form, as seen on a typical traffic mesage board.
- Press "Esc" key or the "Clear" button to clear the entire message board.
- The "Arrow" button displays a line of arrows.
- Available symbols A-Z 0-9 - / ' & >

Sample Screenshots

Overhead Message Board

Type a message then press "Enter" to display it, press "Esc" key or the "Clear" button to clear.

ACCIDENT EXIT 30
DELAYS EXIT 27-30
USE ALT ROUTE

Clear   Arrow

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Overhead Message Board

Type a message then press "Enter" to display it, press "Esc" key or the "Clear" button to clear.

QMT 45 MIN
TNB 32 MIN
GWB 67 MIN

Clear   Arrow

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Overhead Message Board

Type a message then press "Enter" to display it, press "Esc" key or the "Clear" button to clear.

NYC 5 BORO BIKE TOUR
SUNDAY 9AM-5PM
STREET CLOSINGS

Clear   Arrow

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