

Queens College, CUNY, Department of Computer Science
Software Engineering
CSCI 370
Spring 2019
Instructor: Dr. Sateesh Mane

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Project 3
April 18, 2019

- Submit your solution in a zip archive with the following name.

`StudentId_first_last_CS370_project3_Spring2019.zip`

1. Your project zip archive must contain all your program source code.
2. Your project zip archive must contain a cover document explaining what you have done.
3. The cover document must contain instructions how to run your code on my computer.
4. If you use Java, include a jar file, else I must be able to load and run your package in Eclipse.

- Include screen shots of display messages:

1. ACCIDENT EXIT 30
DELAYS EXIT 27 – 30
USE ALT ROUTE
2. QMT 45 MIN
TNB 32 MIN
GWB 67 MIN
3. NYC 5 BORO BIKE TOUR
SUNDAY 9 AM-5PM
STREET CLOSINGS
4. DON'T DRINK & DRIVE
5. RT LN CLOSED 1/2 MI

- **All students work individually for this project, there are no teams.**
- **NOTE:** It is the policy of the Computer Science Department to issue a failing grade to any student who either gives or receives help on any test.

1 Project specification

- The basic theme of this project is that it is about something you see in real life around you.
- The project to make a GUI to display traffic information, e.g. accident report, delay, street closings, warning messages, etc.
- The basic display is a GUI with an “overhead message board” as seen on highways.
 1. Black background, yellow lettering, UPPER CASE ONLY
 2. Font of display should match overhead traffic signs (letters are made from yellow discs on black background).
 3. Display = 3 lines deep, max 20 characters per line.
 4. I type a message on keyboard press ENTER or a button and the message displays on the GUI. The precise details (ENTER key, button, etc.) are up to you.
 5. Hit ESC = escape button to clear display
 6. Lettering:
 - upper case only A-Z
 - digits 0-9
 - hyphen (dash) –
 - slash /
 - ampersand &
 - apostrophe ’
- All student solutions should be able to display these messages:
 1. ACCIDENT EXIT 30
DELAYS EXIT 27 – 31
USE ALT ROUTE
 2. QMT 45 MIN
TNB 32 MIN
GWB 67 MIN
 3. NYC 5 BORO BIKE TOUR
SUNDAY 9 AM-5PM
STREET CLOSINGS
 4. DON'T DRINK & DRIVE
 5. RT LN CLOSED 1/2 MI
- Examples:
https://en.wikipedia.org/wiki/Variable-message_sign#/media/File:Variable_message_sign_with_travel_times_on_I-70_West,_north_of_Evergreen,_CO.jpg

<https://www.newsday.com/classifieds/cars/e-signs-to-show-drive-times-on-lie-1.2821175>