

Traffic Light Simulator Documentation

Overview:

The objective of the project is to create a Traffic Light Simulator that cycles between the 3 light states for respective periods of time. The main features of this project are:

- Enumeration to hold the data.
- Threads to control the lights.
- Enter Key to break the loop and terminate the app.

Background:

The order in which I tackled the project was:

- Created the Project and created an enum file that holds the three states and its corresponding data.
 - GREEN - Light is Green - Go!
 - YELLOW - Light is Yellow - Beware!
 - RED - Light is Red - Stop!
- Created a Thread MyThread and initialized it.
- Passed enum data into the threads using a function.
- Gave appropriate Time delay for the data.
 - GREEN – 5secs
 - YELLOW – 2 secs
 - RED – 3secs
- Executed the loop until the user input reads the enter key.
- Called the stopped function to terminate the app.

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Conclusion:

The project was created using Java on STS. Enumerations and Threads were used to hold and control the data. The loop execution is continuous till the ENTER key is pressed. The project was completed and the expected results were obtained.

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