

CSE 102 – Assignment 2

Introduction

As you have certainly noticed, the studio exercises this semester are pretty voluminous. This is not an accident, we're describing more exercises than we believe you will have time to do, in part to learn how much is reasonable to accomplish in 1.5 hours of studio time.

The stoplight exercises have been on the list the past two weeks, but no one has had time to seriously engage with them, so we're using that exercise as an assignment this week. Take a look at the studio write-ups entitled "Stoplight Controller" and the [code](#) made available.

You are welcome to do this lab solo or to work in studio-size groups (up to 3 individuals).

Stoplight Controller

Complete the specification of the stoplight controller as described in the [Studio 2](#) exercise.

A reasonable set of configuration inputs will allow the specification of: red light time separately for the N/S street as well as the E/W street, yellow light time (common to both streets), and pedestrian walk time. If you wish to add more configurability to your controller, that is fine.

If all is working well, you might add one more feature, where towards the end of the pedestrian walk time the "don't walk" indicator flashes for a specified amount of time to indicate to pedestrians that the walk time is about to expire.

Submitting Your Work

When you have finished your assignment and demonstrated it to the instructor or TA, make sure they record your completion.