CSE 3302 Lab Assignment 3

Due July 30, 2014

Goal:

Understanding of Scheme and elementary functional programming concepts.

Requirements:

1. Write a Scheme function to implement a general overlap function. The format of an application of the overlap function will be:

(overlap pattern-lat text-lat)

where *pattern-lat* and *text-lat* are unnested lists whose atoms are of type symbol.

overlap searches *text-lat* for occurences of *pattern-lat*. Occurences may overlap. The result will be the *text-lat*, but with a * following each occurence.

2. Email your program to sourabh.bose@mavs.uta.edu by 12:45 p.m. on July 30.

Getting Started:

- 1. Don't be concerned about efficiency.
- 2. Some examples:

3. The Ten Commandments and The Five Rules from *The Little Schemer* will lead you to many days of happiness.

4. set! will lead to nights of suffering (and loss of points).