COMPUTER SYSTEMS RESEARCH
Code Writeup of your program, example report form 2008-2009

1. Your name: **CJ Cahill**,   Period: **2**

2. Date of this version of your program: **11/06/08**

3. Project title: **Model of a Virus Outbreak on a Contained Population**

4. Describe how your program runs as of this version. Include

    -- files that may be needed

    There are no outside files needed besides the actual program stuff.

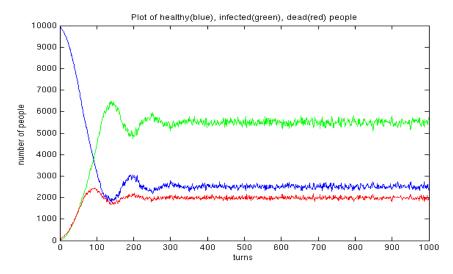   -- algorithms, specific procedures or methods you wrote

    My program uses 3 arraylists to lessen the time it takes to go through 1 turn. I don't know if I use any specific algorithm.

    -- kinds of input your program uses

    The only input my program uses is the settings of the variables at the beginning. There is no interaction while the program is running

    -- screenshots, what kinds of output does your program have

    The first stage of the program outputs a long text file of integers. Then that is read into Matlab which creates a graph:

Plot of healthy(blue), infected(green), dead(red) people

    -- does your program handle errors, or does it crash on errors of input?

    There are no inputs that would create an error. If you put an input that is completely wrong (like a negative percentage) then the program just won't give a feasible result.

    -- tests: summarize the basic analysis and testing of this version of your program

    The program is almost done. I just need to get information on viruses to test.

5. What do you expect to work on next quarter, in relation to the goal of your project for the year?