Homework Assignment #12
Due Tue, March 5, in ~/share.dir with read permission

1. First Version of Your Main Project Program:
Start with indicating on your flow chart in which order you will implement each part of your flow chart. For example almost all of your projects start with some initialization, so write a "1" next to the initialization box of your flow chart. Many of you have a time-loop, most likely you will not want to implement the time-loop next (unless you set your loop to do only one single step) but instead look for the most inner loop you will need to program and work on these commands first.

After having a plan for the order of writing the pieces of your program, start with "1", program it, and test it. Then work on "2" and test it, etc.

The first version of your main project program is due March 5. You will get a chance to work Tue, March 5, in class on your project. The program will be due late ,March 5, so make sure that you have an almost complete version ready to work with on Tuesday in class. Only via trying to write the program, you will come across the little devils in the details.

Start working on the core pieces of your main project program. My major advice is that you write your program successively. Do not write the whole program at once, but instead step by step and test each step as you go.

As always, please feel free to come for questions. Office hours are always MWF 2-3pm, T 4-5pm, or any other time you can reach me. Only by trying to write the program, will you realize what your questions are. I hope that you will enjoy this type of puzzle solving. (I do very much, so I am always happy to think about questions/tasks you run into with your project.)

By Tue, March 5, 11:50 pm, put your python-program in your ~/share.dir/ and give read permission, so

```
cp programname.py ~/share.dir/
chmod a+r ~/share.dir/programname.py
```

where `programname.py` is your python-program.

2. Flow Chart(s): ("final" version due March 8)

Revise your flow chart, using my comments on your first version. Refine your flow chart(s) as you work on writing your program, you will most likely come across necessary adjustments to your flow chart(s).

2. Outlook/Future:
We entered now in the course the phase where your efforts will go fully into your main projects. You will need a lot of hours for writing your program and the analysis of your main project. To ensure you that you can fully use your homework time, you will not get homework on in-class topics. Even mini-projects II & III will happen exclusively in class. This requires from you that you keep dedicating outside of class time for this course, so work into your schedule to work steadily on your main project. The tasks are too large

for single nights. You all have done a great job with your projects. Keep up your very cool work!

3. Comments:

Please let me know in case of any comments on the course. We still have a lot of weeks, so I can incorporate any adjustments for our class.

Updated Upcoming Deadlines:

- March 5: Program 1st Version

- March 7: Cancelled. (I will be at conference)

- March 8: Final Version of Flow Chart due before spring break

- March 20, 2-3pm: Make-up class