

Student Name \_\_\_\_\_

(You are not required to hand this in today, but you should save it; you will receive similar handouts throughout the semester. Purchase a three-ring binder, and bring it to each class to keep these handouts organized.)

## Prof. Hilfbar's Scheduling Problem

Prof. Hilfbar is currently teaching CISC181. He has found over the years that in teaching this course, a particular problem arises.

Many of the students come into the class having had CISC105, or a very good introduction to programming in High School, and are very prepared.

Other students come into the class with a programming class on their transcript, but their background is not solid, and they need lots of extra help. Many of them are willing to come in for that help, but end up having conflicts with his office hours. Soon, Prof. Hilfbar runs out of available time for appointments.

Prof. Hilfbar imagines that if he could get all these students together at one time—or, at least, as many of them as possible—he could be more effective. He would like to schedule a review session at a time that will maximize the number of students that can participate. However, doing that by hand seems a very time consuming and daunting task. He would like to automate this somehow, and he has a notion that creating an interactive web site could somehow be helpful in solving this scheduling problem.

Please take a few minutes to write answer to the following questions (use the space provided)

1. What information would students need to submit to such a web site?
2. What information would Prof. Hilfbar have to submit to such a web site?
3. Will login/passwords be needed? Why/why not?
4. Consider what this web site will have to “compute” to provide a solution to Prof. Hilfbar's problem? Can you describe in pseudo-code how this computation would take place? Sketch your solution on the back of this piece of paper.

(Repeated from other side): Consider what this web site will have to “compute” to provide a solution to Prof. Hilbar’s problem? Can you describe in pseudo-code how this computation would take place? Sketch your solution below