**CS 382 Projects:**

In this project you and your team mate will choose an languages that is not covered in CS department (C,C++,C#, Java, Fortran, Python, etc). You need to study the language and prepare a report on the language. Also each group will do 20 minutes presentation about their language. Presentations are on April 28, May 2, 5, 7 and 9. You need to submit the final project before the first presentation. Overall outline of a project should be similar to Chapter 2 in our text book.

Here are some of the rules for the project:

1. Make sure that job is equally divided in your group.
2. If there is a problem with your group member, you need to report that as soon as possible while there is time do something.
3. If the project is not complete at the end of the semester and one of the group member really work hard to do his/her but the other group members ignorance is not reported, then whole group will get failing grade for the project.
4. **You need to submit one preliminary report in last week of the March about your progresses. This preliminary report should explain exact progress of your project.**
5. Final report should contain the following topics about the language that you have chosen:
   * Historic background
   * Design Philosophy
   * Development Process
   * Evaluation
   * Complete Example
6. You also need to give basic information about the following topics in appropriate places in your report. Each topic needs to be clearly pointed out:
   * Which kind of programming language is it? Functional, imperial, logic etc
   * Primitive data structure
   * Expression evaluation left-to-right or vice versa
   * Associative properties
   * Operator priorities
   * Simple structures like array, record, enum, etc.
   * Pointer, reference
   * Function call
   * Scooping
   * If anybody needs to use the language does he/she needs to pay for anything or is it all free?
   * Structures such as if, if-else, loops, etc.
   * Any other important facts such as data structures
7. Each group member will give a talk. So you need to determine who is going to what about your project.