

# CISC106 Fall 2009 Project I Part I

## How to write a function for the project

1. Read the comments for the function.
2. Find the person who was assigned to write the test for the function.
3. Discuss your understanding of the function description, and then *write* the contract together. Then *write* examples of inputs and outputs. Do *not* share information about how the outputs will be derived from the inputs - this must be done separately for the testing to be effective.
4. If there are any outstanding questions about the description, discuss the questions with your team members. If you have questions about an algorithm or translation to Matlab, discuss with your teammates or TA (but not the person writing the test).
5. Write the function, doing appropriate testing *yourself*.
6. When you think the function works properly, email it to the person writing the test function (and copy the rest of the team).
7. Receive the test function. Run it yourself. Do you agree with the test data and the function? Discuss with your tester and team.
8. Make changes in your program or request changes in the test function until the function passes the test. Try to solve any disputes within your team; as a last resort, forward a question to the TA or Professor. Be sure to include both the function the test function, and any supporting functions.