CS 2506 Computer Organization
Project 3 – The Social Network
Additional Guidelines

Assigned: October 27, 2012
Due: 11:55 p.m., November 16, 2012
Purpose: To help you learn Data Structures and Pointers in C.

Specification updates

Based on the suggestions made during test case submissions, I have made the following changes to TA's implementation. The auto-grading script uses this updated version for grading.

SUGGESTION - For any of the valid commands, if extra arguments are provided, it should print an error instead of ignoring it
COMMENTS - Fixed.

SUGGESTION - For add_user when the age is negative, it should say that the age is negative rather than saying it is not numeric
COMMENTS - Fixed

SUGGESTION - For add_user the gender given should not be case-sensitive.
COMMENTS - Fixed

SUGGESTION - For add_user the 20 character limit on location is not implemented
COMMENTS - Fixed

SUGGESTION - A user should not be allowed to become friends with themselves.
COMMENTS - Fixed

SUGGESTION - For search_user by name, the output should be consistent with the other search outputs
COMMENTS - Fixed

SUGGESTION - For delete_user function, the output should be just "user left facebook", instead of printing all the delete_friend messages
COMMENTS - Fixed

SUGGESTION - For display graph, don't print NULL. For users with no friends, print No Friends
COMMENTS - Fixed

SUGGESTION - For suggest_friend, when there are no friend suggestion, print "Sorry, there are no friend suggestions for user."
COMMENTS - Fixed

SUGGESTION - For output that says Please try again, put a period(.) in the end
COMMENTS - Fixed

SUGGESTION - Search should display user and location names as they were added to the Facebook (case sensitive) but still search for them non-case sensitive.
COMMENTS - Not Fixed. The facebook internally stores your name or location name, as per its format and displays that same.

SUGGESTION - For delete_friend abc def. If both abc def are not present on facebook, print both of them are not present
COMMENTS - Not Fixed.

SUGGESTION - output sends a "you did not enter "display_graph" correctly" after displaying the graph. Should be looked at.
COMMENTS - Could not replicate

SUGGESTION - suggest_friends user: did not suggest any friends for user even though a girl was there for suggestion
COMMENTS - **For suggest_friend function, friends will be suggested only when there are mutual friends. Otherwise no friend suggestions.**

SUGGESTION - exit_program_ usage
COMMENT - **This project uses exit_program and not exit_program_**

Grading Breakdown

The total points for the project are 130 and are distributed as follows:

- 20 points – Error test cases using interactive mode
- 20 points – Error test cases using file mode
- 30 points – Functionality test cases using interactive mode
- 30 points – Functionality test cases using file mode
- 15 points – usage and header files
- 15 points – test case submission
- -10 points – Compilation with warnings

There will be some points for error handling. So, make sure that your program doesn't fail if the user enters some erroneous input at any stage of the program. Rather handle the error and output an error message.

Auto-grading Scripts

You can download the auto-grading script by using the following command:

cp –r /home/courses/cs2506/fall2012/project3/auto-grading/ .

Please read the README in the auto-grading for more information.