

CIS*2750
Assignment 2
Deadline: Tuesday, February 27, 11:59pm
Weight: 12.5%

1. Description

This assignment forms the second half of the C-based back-end that will be used by the web-based user interface in Assignments 3 and 4. The functionality implemented in Assignment 2 will allow our HTML/JavaScript-based UI to interact with the C backend.

Your assignment will be graded using an automated test harness, so you must follow all requirements exactly, or you will lose marks.

This assignment is individual work and is subject to the University Academic Misconduct Policy. See course outline for details.

This assignment will be released as a series of modules, instead of all at once, to facilitate incremental development. I strongly encourage you to start working on Module 1 as soon as it is released.

Module releases will be announced on CourseLink. Each module will be described in a separate document. The last module will be posted before the reading week.

2. Modules

Module 1 will contain functions necessary for saving a GEDCOMobject to a file in GEDCOM format.

Modules 2 and 3 will contain functions for manipulating GEDCOM objects and interfacing our C library with JavaScript code.

All modules will include the necessary function declarations and new types (or type updates). You will need to add these declarations to GEDCOMparser.h. Do **not** make any other changes to GEDCOMparser.h!

The final version of GEDCOMparser.h will be released with Module 3, and you will need to make sure that you updated your header correctly.

Submission structure and Makefile details will be provided with Module 3. For now, just re-use your A1 directory structure and makefile (fix it if it is broken).

3. Evaluation

Your code must compile, run, and have all of the specified functionality implemented. Any compiler errors will result in the automatic grade of **zero** (0) for the assignment. Make sure you compile and run the assignment on the SoCS Linux server before submitting it - this is where it will be graded.

Marks will be deducted for:

- Incorrect and missing functionality
- Deviations from the requirements
- Run-time errors
- Compiler warnings
- Memory leaks
- Failure to follow submission instructions

4. Submission

Submit your files as a Zip archive using CourseLink. File name must be [A2FirstnameLastname.zip](#).

Late submissions: see course outline for late submission policies.