Project Phase 3:
Implementation with Configuration Management

1. Task Description

Your third task is to implement your system. This implies working from your requirements and design specifications, and implementing your Increment 1 functionality. As part of this task you must also put all of your source code under configuration management in Github (or some comparable configuration management system) and make sure that the TA can access your code and system-related products.

2. Deliverables

This phase has the following "deliverables".

1. A simple "checklist" of the basic functionality required of this release.

2. An executable capable of performing the foregoing functions.

3. A Github (or other form of) repository containing your code, accessible to everyone in your group, and the TA. Your repository must have the following four top-level directories: (1) Requirements, (2) Design, (3) Code, and (4) Test. You will put your requirements and design specifications in the first two of these directories. Your code goes into the Code directory, whose contents you can organize in any fashion using any subdirectories you want. The Test directory will be used in Phase 4.

3. Deliverable Mechanism

While the official deadline for this phase is October 27, delivery of most of this phase's deliverables will be accomplished in person, by way of demos, attended by the TA and at least two team members. These demos will be scheduled for two days following October 27. (We will assign precise dates and times later via a Doodle poll, and will announce the location later.) Each demo will be allotted 20 minutes.

You will first demo your system, showing that it can perform the basic functions on your checklist of functionality.

NOTE: we're looking for a working system at this stage, but not necessarily a robust one, because we haven't done any official testing. You are not required to demo error handling code or exceptional events.

Finally, you will then make sure that your configuration management system is accessible to the TA, and that it will allow him to access and view your files.

4. Evaluation

Your implementation will be evaluated in terms of its ability to perform the functions required of your release (we will cross-check your "checklist" with your requirements specification in order to complete this evaluation). Your configuration management repository will be evaluated in terms of its existence and accessibility to the TA.

5. Grading Rubric

- (90 pts) You are able to successfully demonstrate that you have implemented the functions on your list of functionalities. (And on checking, we are able to verify that your list of functionalities matches those listed in your requirements document). Your implementation should also include an interface that reasonably reflects the level of usability required of your first increment's functionality.

- (10 pts) You have correctly created your configuration management setup in a Github (or other form of) repository.

Note: if you do not bring a functionality list to the demo, we cannot verify the first item on the list, and you cannot receive any points for that item.