**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.

**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 repository containing your code, accessible to everyone in your group, and the Instructor. 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**

Delivery of this phase’s deliverables will be accomplished in person, by way of demos, attended by the Instructor and at least two team members. A precise schedule for these demos will be determined soon. These demos will be scheduled for Thursday 10/31. Each demo will be allotted 15 minutes.

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

You will then illustrate that your configuration management system works, by directing the instructor to it and letting her to access and view your files.

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. It is not necessary to demo any error handling code or any exceptional events.

**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 instructor.

**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).
* (10 pts) You have correctly created your configuration management setup in Github.

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.