**COP 3503**

**Programming Fundamentals for CIS Majors II**

**Spring 2015**

**Lessons Learned and Future Work**

**Group 1**

**April 20, 2015**

**Dennis Alas**

**Sarah Anderson**

**Matthew Griessler**

**Michelle Palumbo**

**Valentina Rendon Duque**

**Lessons Learned:**

* We learned the vast power that is the QT Creator IDE.
* The basic functionality of GUI.
* Using GitHub, while difficult to navigate at first, turned into a fundamental tool in the success of Gator Charts. We were each able to make changes to the program as we worked on it individually. Instead of waiting to meet as a group to put our changes together, GitHub did it for us.
* While working with GitHub we also learned that commits should not be made unless the code can be compiled. Before we realized this we ran into a lot of problems with this because one person would commit changes that had code that did not compile, and when everyone else synced those changes, they then no longer had code the compiled and had to spend extra time trying to fix the problem.
* Complicated projects should be started ahead of time. We had a problem getting work done according to our schedule which meant we had to spend the last week in a hot pursuit to finish on time.
* Reading documentation on how methods and classes work was essential in this project. The QT Creator has a multitude of built in libraries to create almost any project imaginable. We learned that in order to use the methods that were necessary we had to sift through thousands of methods in order to find the right one.

**Future Work:**

* We hope to provide a new, easy-to-use tool for UF students to create flowcharts when they need to show the way a process works. Our program can be used by students in different areas of knowledge, especially engineering.
* This program can potentially be used by professionals who want to demonstrate the functionality of a process in a graphical form. Since our program allows printing, professionals can make their flowcharts designs part of their presentations in meetings or conventions.