You (or a small group) will pick a phone application that you want to create. This project must involve phones. You will also write a paper on the project and present the project to me and the class the second to last week of the semester. You will also submit a project proposal.

**Project:**
This project can be anything that involves programming for a phone. The project must be suitable for level you are taking this course at (undergraduate or graduate) and be able to complete the project by the end of the semester. The project must be approved by Jim Ward.

**Proposal:** (written #1)
You will write up and initial proposal of your project. It is to include a description of the project and information on what will need to be created, target phone (or phones), a project time line (including when things will be completed, tested and ready), etc. You will also include the target audience for your app and why they would “buy”/use this app. This is not a final project write up, only the proposal, so you may be guessing about some information and resources.

**Paper:**
This is a write up of the project. It should include technical details of the project you have created; problems and/or issues involved with the project; how it works; and other information you feel is needed. It should be typed, double spaced, and include references if appropriate. The actual paper is to be no more than 10 pages (Not including a cover page and bibliography page [if needed]). **The graded proposal MUST be attached to the paper** and doesn’t count for the page count.

**Presentation:**
During the last two week of class, you give about a 10 to 15 minute presentation of project. This is also a time where I will ask questions about the project. The project must be fully working at this time in order to receive full credit.

**Worth:**
The project and presentation are worth 25% of your final grade.
The proposal is part of your homework grade (not the project grade) and is worth 25 points.

**Turn in:**
The Proposal is due: Feb 25, 2013
project source copied to \lamont.cs.uwyo.edu\courses\cosc4730\students\<lastname>\project\The paper is due: April 29, 2013 in class