Overview
Your assignment is to propose an idea that could form the basis of a course project for this semester. Your design should be based on consideration of a real group of users and their needs. This is an individual assignment.

Project Requirements
The theme for this semester is mobility and small device interfaces. Your project must involve either a ubiquitous computing device (wireless PDA, cell phone, speech UI, etc.) or a web-based interface accessed through some type of mobile browser. We encourage you to expand upon your application or service to include new or different interaction techniques and technology platforms. These include speech interfaces and mobile computing devices such as cellular phones and PDAs. You should also think about the possibilities of location-aware devices. Focus first on addressing a real user need, not on the immediate possibilities of the technology. Try to address someone else’s needs rather than your own. Talk to other potential users to understand their needs.

Deliverable
You will submit an essay of no more than 2 pages of text. Your essay should follow the outline below and will be graded using the writing guidelines that follow:
1. Target user group
2. Two personae (representative users)
3. Problem or Idea (short)
4. Analysis of Problem
5. Suggested Solution

Writing Guidelines

Creativity (3 pts)
The proposal should try to address a practical problem with a novel use of technology or present a new or enhanced work practice enabled by technology.

Writing (3 pts)
The writing must clearly present the important facts and be terse and concise. The nitty-gritty details aren’t needed at this point. The organization should follow the outline, with the conclusions in each section leading into the next in a logical manner.

Target group and personae (3 pts)
Your target group should be sensible (people you have access to) and not trivial (CS undergrads is not a challenge). Personae should be developed in enough detail that they are generative (suggesting answers to questions about them). What are their needs and wants?
**Problem or Idea (3 pts)**
The problem description should be short and specific about the high-level goals of the project. It states what the problem for the target user group, and why it is a problem. Or it should describe a new idea and why it will enhance an existing application or work practice for a user group. It should also drop a hint at the proposed solution of the problem.

**Analysis of Problem (3 pts)**
The analysis section should give more background for the problem or new idea. It doesn’t just focus on the negative aspects of the current situation, but also identifies some positive aspects that may be beneficial to retain. A few salient examples from existing systems or work practices should be used to support those claims.

**Suggested Improvements (3 pts)**
Here the proposal should propose specific changes to solve the problems or implement the new ideas described earlier and briefly explain why it is believed they will work.