Project Proposals

Proposals are due on Monday, Oct. 13th, 2015 by class time. The default extensions will not apply to this assignment. This is a group assignment, so I only need to get one submission per group. Make sure that you include the names of all group members, as well as your group number, in the submission.

The project proposal will be worth 15% of the project grade, and the presentation will be worth an additional 10%. Your presentation should include the highlights of the material in your proposal, but you should not assume that anyone other than myself will have read it, so set the bar for your content accordingly. I'm expecting 3-4 page submissions.

Your proposal must include the following sections:

Introduction / Overview

What problem are you addressing? What are you going to do? Give me some background.

"*People constantly get lost in the wilderness. It would be helpful if, when people are out there searching for those that are lost, we had a record of their path, so that it can be compared with others later to see if there are areas that were not searched*"

Summarize what you'll be doing

"*We are looking to develop an application that will let users trace where they have been in the woods, projecting their tracks on map in a website.*"

Motivation

Why should we care? What makes this project fun or exciting to you? What need is it meeting? As I mentioned in class, sell your project to me.

"*There are no good ways of coalescing traces in a simple-to-use interface. The solutions that are out there require expensive equipment and maps, while the free tools are too complicated for use by searchers that are otherwise busy.*"

Specifications

What are you going to do? Be as detailed as possible. This is a good place to start laying out the data that you will be needing, or sketching some potential interfaces. What languages or technologies are you hoping to use?

"*My system will allow users to tag coordinates with their GPS-enabled cell phones and display the trace of the path through a website interface using Javascript*

and JQuery interfaces to Google Maps. It will be able to coalesce the traces of multiple people, highlighting areas that have not been explored."

Milestones

Give a schedule of what parts of the system you'll have finished and when it will be done.

- Oct 15 – Database schema written out
- Oct 23 – Base website laid out with non-interactive template files
- Oct 30 – Mobile versions of upload interface done.
- Nov 7 – User account creation interface done
- Nov 14 – Uploading of GPS traces done
- Nov 21 – Displaying of map via Google Maps API
- Nov 28 – Displaying of multiple traces implemented
- Dec 05 – Rough draft of final report completed
- Dec 12 – Final presentation
- Dec 19 – Final report due

Deliverables

What will you turn in at the end of the semester?
Some examples are:

- Web site source code
- Database back end
- Webapp?
- Documentation?