

15-745, Spring 2015

## Project Proposal

Due: Thursday, March 19th, 9:00am

Before you write up your proposal, please discuss it with Prof. Mowry. Be sure to sign up for an appointment on Tuesday, March 17th with Prof. Mowry in his office (GHC 9113). A signup sheet for scheduling meetings will be passed around in class. *Please email a rough sketch of your idea(s) to Prof. Mowry by 8pm on the day before the meeting, so that he can think about them a bit before you meet.*

Your project proposal should be roughly two pages long, and should include the following information:

**Project Title:** A descriptive title of your project.

**Group Info:** List the names and email addresses of each member of your group. Groups should contain either two or three people. The default size is two; if you would like to form a group of three, please check with the instructor first to make sure that the scope of your project is sufficiently large to warrant three people.

**Project Web Page:** Include the URL of a web page which you will be maintaining for your group. This web page will initially contain a link to your proposal (plus group information, etc.), and you will later add links to your milestone report, your final report, etc. We will be setting up links to these web pages from the class “projects” web page.

**Project Description:** Briefly describe the goal of your project (i.e. what research question(s) are you trying to answer?) and what metrics will be used to evaluate its success. Include a 100% goal (if all goes as expected), a 75% goal (what you can still accomplish if things go more slowly than expected), and a 125% goal (what you might accomplish if things go faster than expected).

**Logistics:** Please address each of the following issues regarding how you will carry out your project:

**Plan of Attack and Schedule:** How will you go about completing your project? Please include a week-by-week schedule of exactly who in your group will be doing what. We will not strictly hold you to this schedule (other than meeting your milestone, as described below), but it is important that you have a concrete and realistic plan. Identify what you expect to be the critical path in your schedule. Indicate how the work will be divided among your group members.

**Milestone:** Indicate what your group plans to accomplish by Thursday, April 16th (i.e. two weeks before the project due date). On that date, you will submit a brief report describing your progress up to that point. Your ability to set a reasonable milestone and to meet this goal will be factored into your final project grade.

**Literature Search:** What papers and other background materials have you collected so far to help you in your study? Are you missing anything?

**Resources Needed:** What software will you need to conduct your study? Do you have a copy of this software already? (If not, how will you get it?) What hardware or machines will you need to run this software? Do you have all of the resources that you need to conduct this study?

**Getting Started:** What work have you done so far on this project (other than writing up this proposal)? Do you have any questions or other constraints that are preventing you from getting started immediately?

Please hand in a hardcopy version of your proposal on the due date, and also put an electronic version of the proposal on your project web page.