

# Final Project Proposal

CS 182, Fall 2009

*Due Wednesday, Oct 28, 2pm( before lecture)*  
*Upload PDF to the proposal link on the website*

## **Important Dates:**

Proposal due: wed oct 28

1 page update: monday nov 23

Final presentation: thursday, dec 10 (attendance required)

Final paper: Friday, dec 11

**Goal:** In CS182, we cover many subareas of AI. But AI is a much broader concept and to each person has its own reason for appeal. The purpose of the final project is for you to pick a topic to study in more depth by crafting a "project" on that topic. You may choose a topic that is experimental, theoretical, practical, or surveys an area of interest. We have listed a whole set of example ideas on the website that you can choose from, but feel free to pick your own.

In terms of effort, the final project is usually equivalent to 2 to 3 assignments (20% grade) -- partly because you have to craft your own assignment and that in itself is a hard activity. It is very important to start early!

**Requirements:** Must be done in teams of 2 to 3 students. We have set up a bulletin board forum for people to advertise project ideas and look for partners.

## Writing a proposal

Proposal (3-4 pages)

The goal of the proposal is for you to clearly outline the project you are planning to do for this class. *In order to write a proposal you first need to research your idea and define a concrete "problem" that you can attack within the time frame of this class.*

You also need to find partners to work with. Doing all of this requires time – PLEASE START EARLY. After you have submitted your proposal we will get back to you with feedback over email and we will also have office hours when you can come discuss ideas.

The proposal should be 3-4 pages long and have the following sections

**PROJECT TITLE:****TEAM MEMBERS:****PROBLEM STATEMENT:**

*1 paragraph:* What will you work on. Try to be clear and succinct about the problem you plan to address or develop in this project. The clearer you are the better feedback you can get. Beware: getting a clear 1 paragraph problem statement takes a lot longer than writing a 1 page problem statement...

**MOTIVATION:**

Why is this an interesting problem to work on (personal motivation or practical)

**RELATED WORK:**

Briefly describe what relevant prior work you have found on this topic as a result of your literature/web search.

**PLAN OF ACTION:**

= What things are you planning to?

e.g. we will first try X, then we will try Y,  
depending on the results of Y we will then do J or K

= What challenges are you expecting?

e.g. we expect that this part will be straightforward but  
part B may run into the following problems:....

**EVALUATION:**

= What is the minimum piece you would like to achieve?

= If you achieve this, what would be the next level thing you'd like to achieve?

\*\*\*How will you demonstrate success to us (Instructors and TFs)?

**REFERENCE LIST:**

Top 5 things you think are relevant

(Can have more but the idea is not to give an exhaustive list but to identify some key papers your project is based on)