In this project, you are required to form teams of two, and take the first steps in doing research. Research starts with a question, continues with assessing the state of the art, and arrives at identifying what can be done next.

You are expected to pick a research topic and investigate to the point of being able to make recommendations on:
- its importance and how it fits in with what the
- provide a critical synthesis of previous work
- understand what is left to be done and improved

This is a common "technology assessment" scenario in an industrial environment (i.e. you may find yourselves doing this after you graduate).

You are expected to:
1) identify a research paper from my web-site: skim through a couple and pick one that matches your interests
2) read it and understand it
3) explore the most related papers: before or after that paper (at least to 5-6 other papers)

Deliverable: We want a report (approx. 4-6 pages, 11pt font, single spaced reasonable margins) that will have the following sections:
1 introduction
2 problem definition
3 review of the main paper
4 review of other related papers
   what previous papers did or did not do
   what subsequent papers did better (or forgot to consider)
5 Discussion
   5.1 what was novel in the main paper
   5.2 what are the weaknesses and limitations of the main paper
   5.3 how could the main paper be improved or extended
      (if the boss would say, read this and find a way that
       we can improve it: could be using something from the other papers
       or doing more in depth experiments or simulations)

The introduction is a quick summary of the whole paper (approx 1-1.5 pages) that should have approx. a paragraph for each of the subsequent sections. For more details, see my web-page:
on how to write and structure a research paper: http://www.cs.ucr.edu/~michalis/techwriting.html

However, you need to follow the proposed structure here.

Note: In general, don't cut and paste figures from papers.
You should not copy text: you should use your own words.

Evaluation:
We will consider
- depth of understanding the problem
- thoroughness of research (you need to identify the most related papers and show how they relate)
- effectiveness and clarity of writing (again see my website for suggestions)