Hi Connall,

Your outline looks very good and comprehensive.  Assuming you have content to fill all of these sections, I think the quality of the report will be determined by how complete and systematic your results are.  In particular I look for the following:

* Are you following the objectives and specification, using them for critical analysis of your results and re-stating all of these in the conclusion?
* Have you identified in your literature review the key technologies you will use, explained the novelty and importance/impact of your work in the broader context of the state of the art, and critically analysed how well it would work in certain applications given the results you have obtained?
* Have you logically packaged together your project management into work packages and tasks, addressed their contents clearly in your system description and results, and illustrated how the project actually worked out in your management section (Gantt chart, etc.)?

If you can answer these in your project you will have a very good paper and will also have some experience writing a paper that could be peer-reviewed in future. :)

Your code should be included in an appendix if at all.  Usually it's enough to only include the code you have made yourself - not including libraries obtained elsewhere, etc. (which you need to cite as references of course in your paper).  If you want to illustrate algorithms in the text, you should use pseudo-code, flowcharts, etc.

Hope this helps,  
--Mark