**Name:** Nicholls, Thomas

**Project title:** Smart phone cryptography: A comparison of techniques for encrypted data communication

**Supervisor:** Marcin Jurdziński

Has the student submitted an acceptable specification? **YES**

## Technical content

- well read and good insight in project's subject area
- effective analysis of problems and issues
- quality of design
- choice of methods and tools

There is solid evidence of literature research, both on cryptographic techniques and on computer system design. While some software design and project management issues have been discussed in sufficient detail, relatively little is said about software tools that would be appropriate to implement various cryptographic protocols. More detail and academic references could have been given on the mathematical techniques underlying cryptography. The design decisions taken seem sound, and appropriate methods and tools have been chosen.

## Project management

- well conceived project
- unforeseen problems well detected and overcome
- progress consistent with project specification
- all necessary research, analysis and design work completed
- work for next term well planned

It is not a most original project but it does have a potential to give Tom an opportunity to learn valuable techniques in computer science and discrete mathematics, and to carry out a substantial software development project. Sensible adjustments and clarifications were made to the original objectives. Good progress has been made on research, analysis and design, and work for the next term seems to be well planned.

## Communication skills

- basic written language skills
- effective composition and exposition
- report is of an appropriate length for project

The report is well-written and logically structured. A number of sources, including textbooks, survey articles, and online texts, are appropriately referenced and well organized in a bibliography.

**Total mark:** 7/10