# Project Specification

My chosen project is a tool that is used to scan a local home network to discover devices and find security vulnerabilities. This should be achieved through a program that provides these functionalities.

The tool should be aimed at the average person with little or no knowledge of cybersecurity or computers.

As the project should be aimed towards people with no tech skills the program should have a simple and easy to understand interface and display it’s results in a simple output that requires little knowledge of networking to understand.

The core features of the project are planned to be:

* Scan a network to discover the connected devices
* Check the Operating Systems and configurations of devices
* Find security vulnerabilities, outdated software, improper configurations, etc.
* Generate report on the programs findings in a simple and easy to understand interface
* Options to scan all devices on a network or a specific device