COMP 3980
ASSIGNMENT 1 – RFID SCANNERS
October 21, 2015

INTRODUCTION

1. Scope & Purpose

The product is a Windows program used to communicate with a Radio-Frequency Identification Device (RFID). The device is used for scanning RFID tags which contain information about the tag itself. The RFID gets the information from the tag and sends it to our program, which then interprets the data and displays it onto the screen.

Key features include the ability to connect/disconnect from the RFID device, read the RFID tags, and to view the information on the screen after it has been scanned.

The user guide will cover connecting to the devices, disconnecting, reading the tags and interpreting the information displayed on the screen.

WORKSPACE

1. Workspace

For the purpose of this assignment, the ability to modify the settings of these devices is not included in our software. The use of both the RFID device and our software is restricted to the computers at the BCIT lab in building SE12 room 323. The computers in the given lab are already configured for the user with the devices.

PROCESS

1. Setup computer

Make sure you have the software setup on the computer and the RFID plugged into the computer.

2. Connect

After running the software, click "Options" at the top left of the program and then click "Connect", which will then connect you to the RFID scanner.

3. Scan

Grab a tag you wish to scan and hold it approximately two inches away from the RFID. The information contained in the tag will be displayed on the screen.

4. Interpret Readings

After scanning tags, a list is populated on the screen showing each tag that has been scanned in order of being scanned going from top to bottom. Duplicates are not re-entered as they are already scanned on the screen. Instead, they will be highlighted green to show you that the tag as already been scanned.

5. Disconnect

Once you are finished with the program, disconnect from the RFID by clicking "Options" at the top left and selecting "Disconnect". This will the stop you from scanning anymore tags until you click "Connect" again.