COMP 3980
ASSIGNMENT 1 – RFID SCANNERS
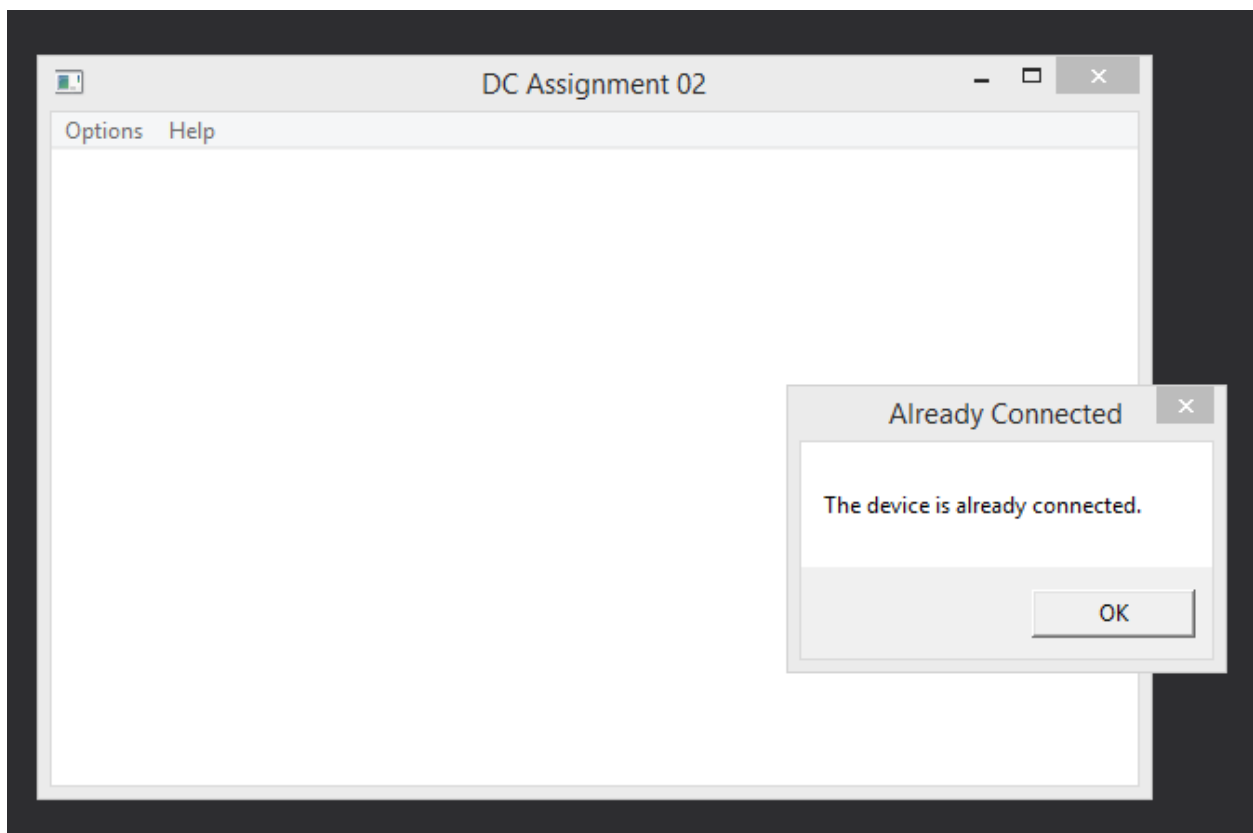## October 21, 2015

TEST DOCUMENT

1. Test 1 – Connect to Reader

Check to see if reader has made a connection with program and able to start reading tags.

Expected Result: Connected

Pass/Fail: Pass

Figure 1 – This figure is showing that if you click connect after you are already connected a message will appear saying you are already connected.
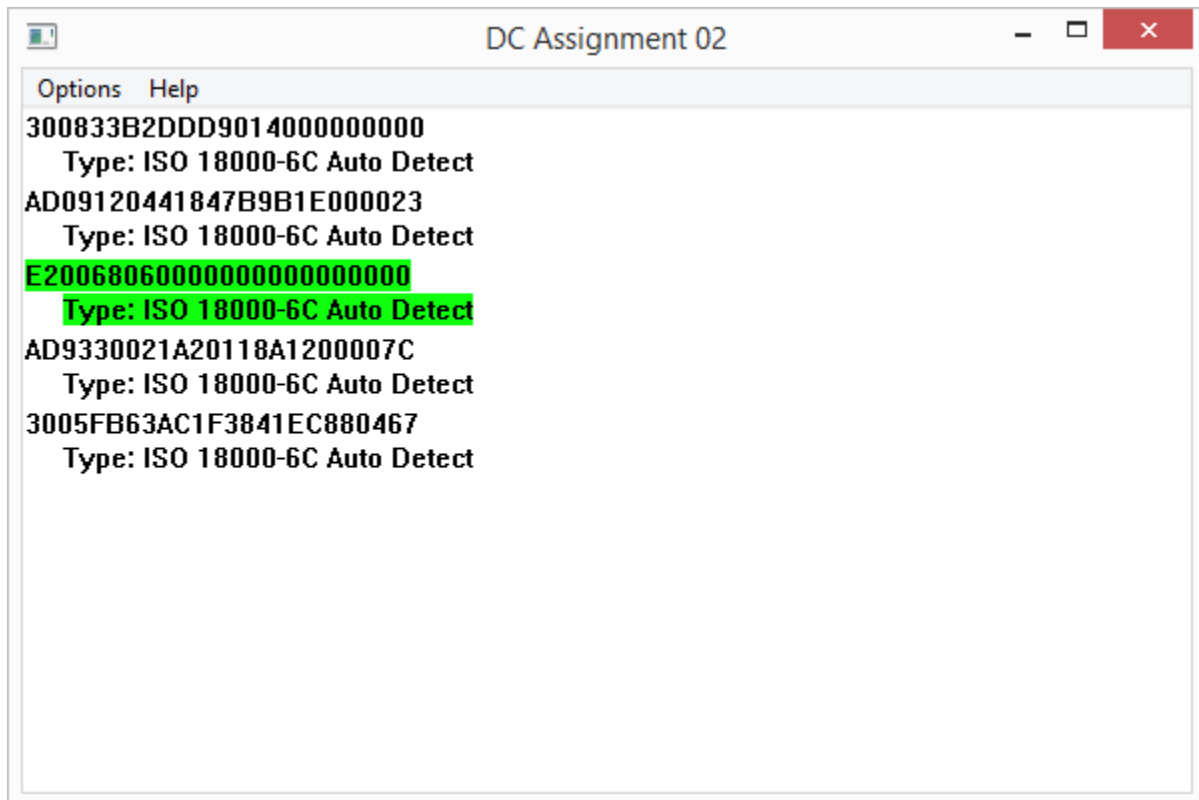
2. Test 2 - RFID reads a tag

Confirm that the RFID reader successfully scans tags.

Expected Result: Scanned

Pass/Fail: Pass

Figure 2 – This figure is showing that RFID is scanning the tag and displaying to screen.
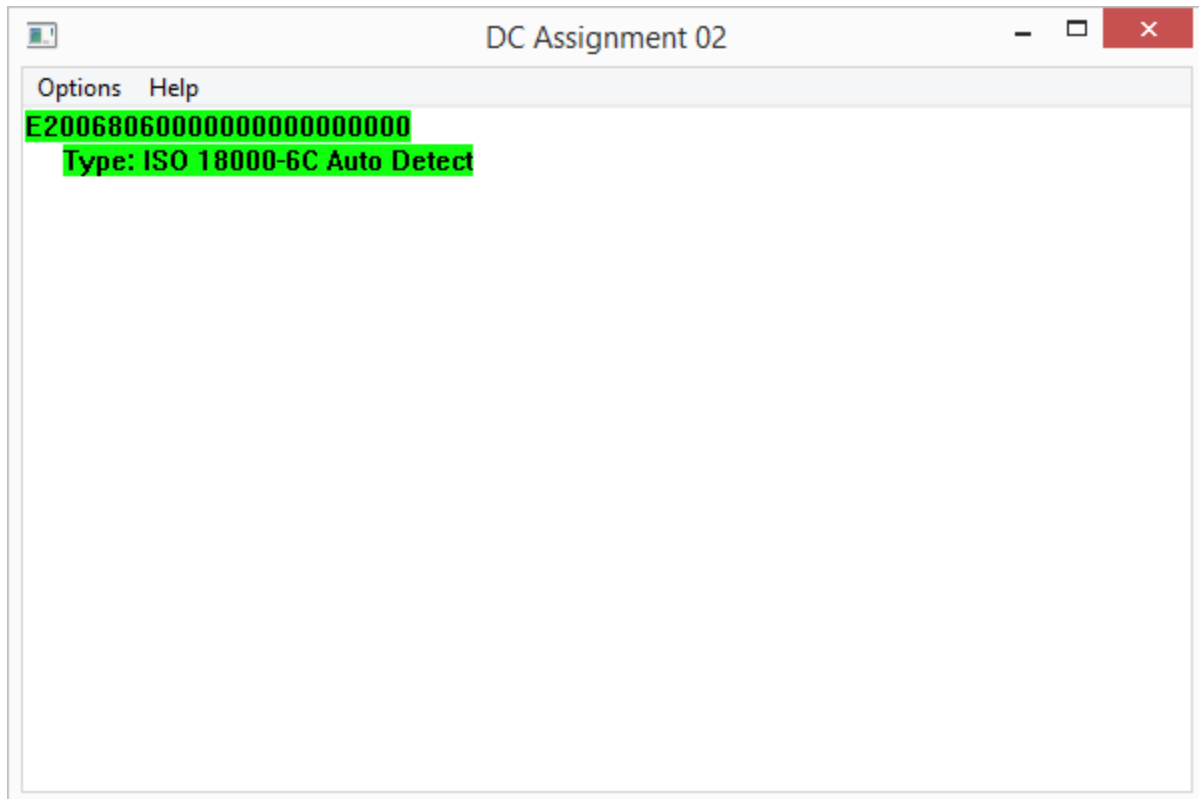
3. Test 3 – RFID scans 3 inches away

Confirm that the RFID reader is successfully scanning tags from a distance

Expected Result: Scanned

Pass/Fail: Pass

Figure 3 – This figure is showing that RFID is scanning the tag from 3 inches away and displaying to screen
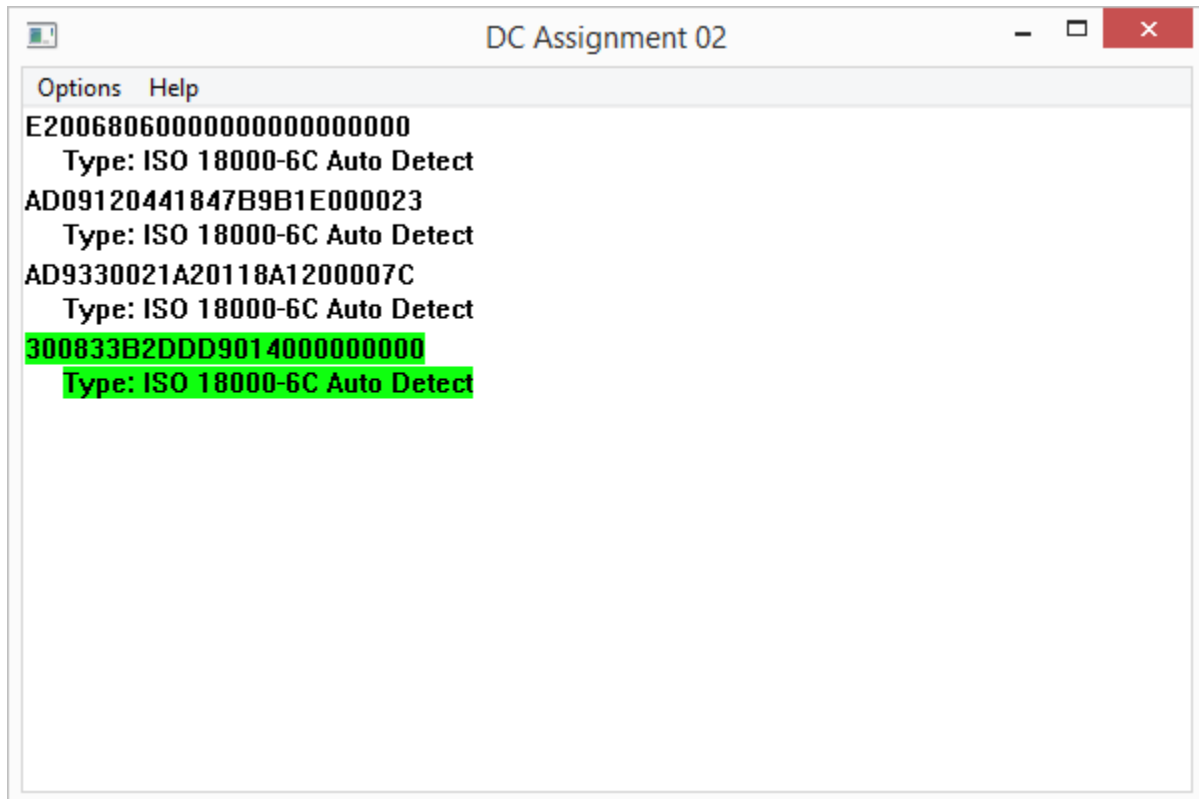
4. Test 4 – The RFID scans at 6 inches

Confirm that the RFID reader is successfully scanning tags from 6 inches.

Expected Result: Scanned

Pass/Fail: Pass

Figure 4 – This figure is showing that RFID is scanning the tag from 6 inches away and displaying to screen
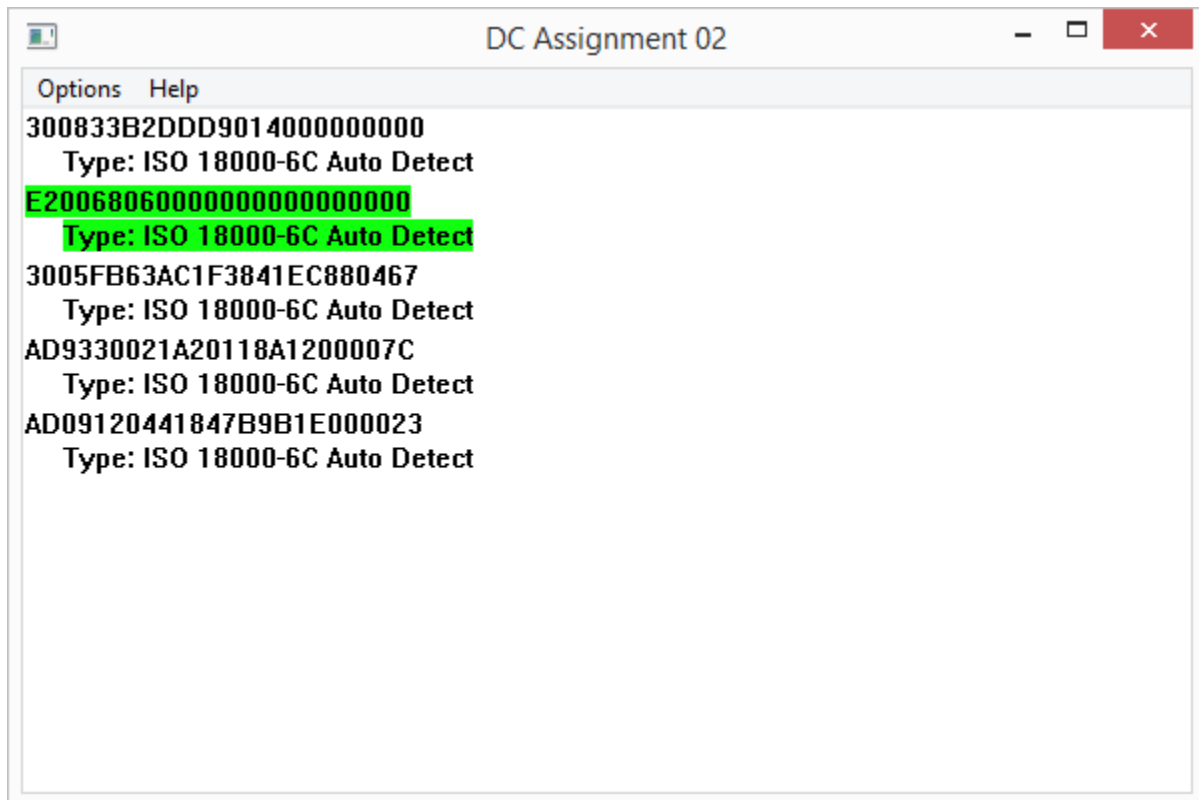
5. Test 5 – RFID scanner only scans RFID tags

Check if non-RFID tags do no scan.

Expected Result: Scanned

Pass/Fail: Pass

Figure 5 – This figure is showing that only one type of tags are being scanned.
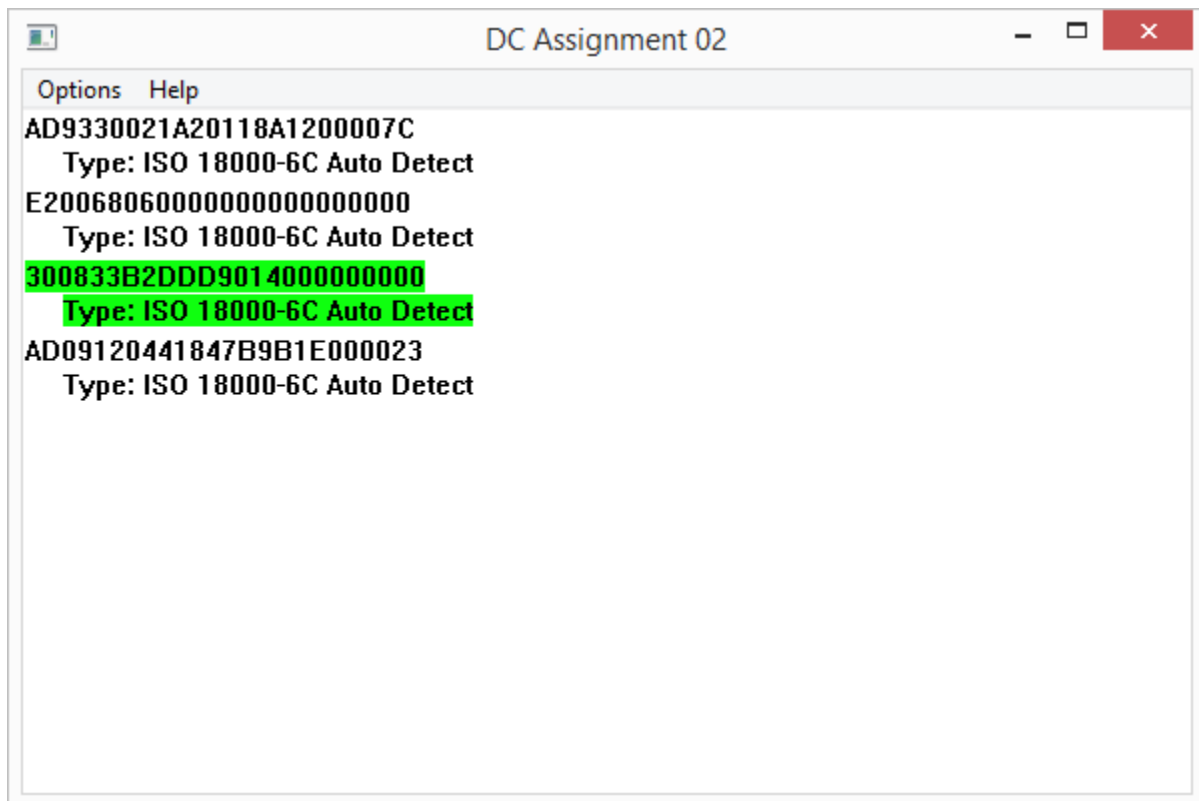
6. Test 6 – No repeated tags displayed

Check to see that when one tag is scanned, it only displays once. There must be no repeated IDs on the screen. And if tags are scanned again, the most recently scanned ID highlights green.

Expected Result: No repeated IDs on screen. One highlighted.

Pass/Fail: Pass

Figure 6 – This figure is showing that there are no repeated information on screen

7. Test 7 - Test UI elements

Check to see if Maximize/Minimize/Resizing works

Expected Result: Window re-painted

Pass/Fail: Pass

Figure 7.1 – This figure is showing that information is still displayed on screen after minimizing
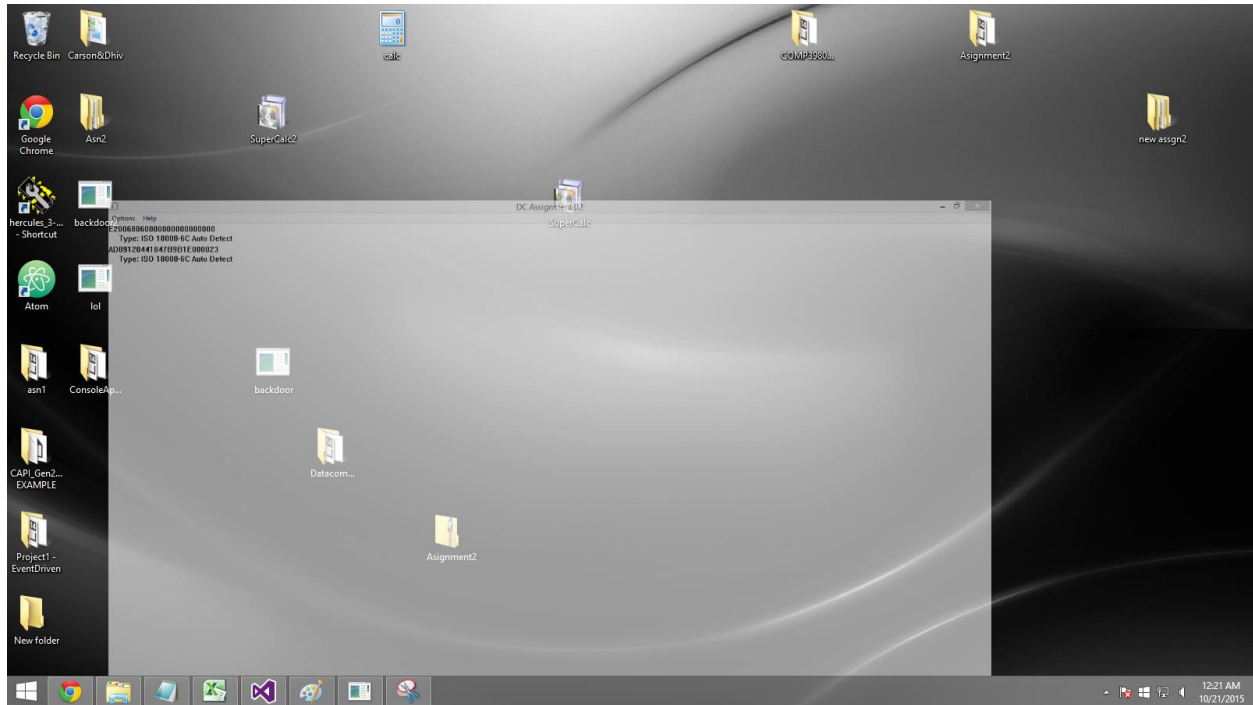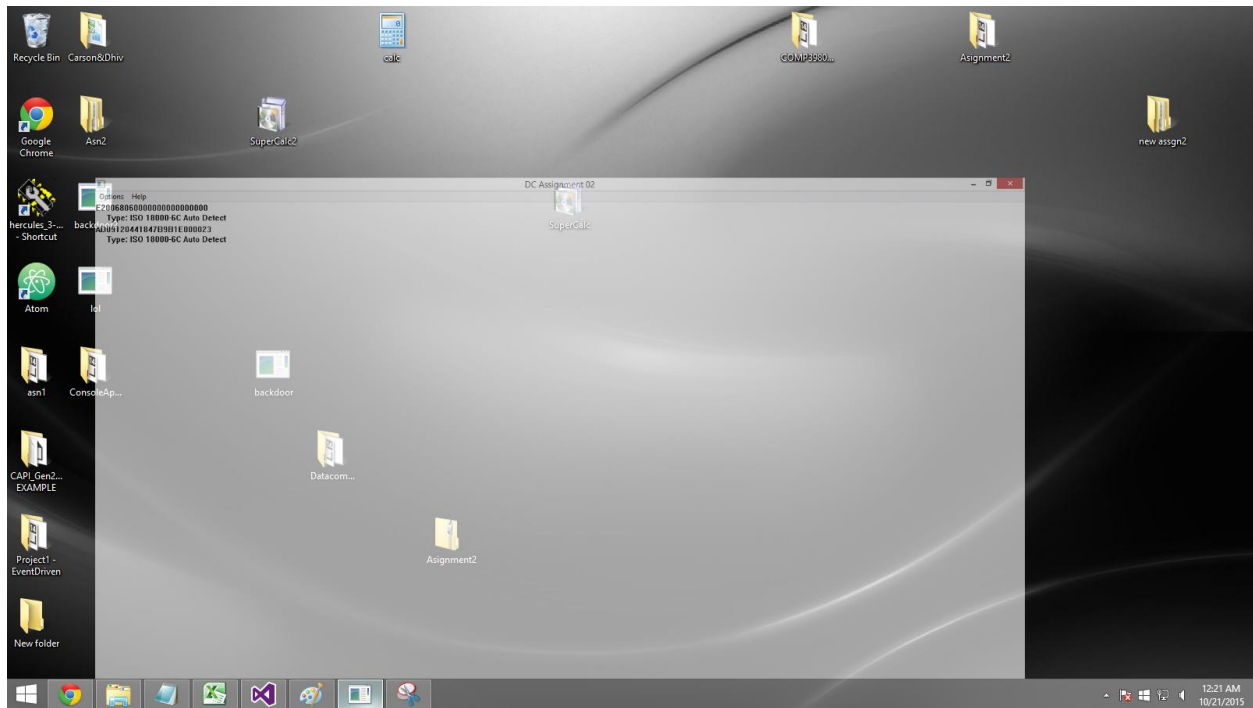
Figure 7.2 – This figure is showing that information is still displayed on screen after maximizing

8. Test 8 – Disconnects from reader

Check to see if reader has successfully disconnected and not able to read tags anymore.

Expected Result: Disconnected

Pass/Fail: Pass

Figure 8 – This figure shows thread being killed when disconnected.