RFID SOLUTIONS & ACADEMY PVT LTD, INDIA

(AN IOS VENTURE , DIVISION OF READERS & SCANNERS LTD SINGAPORE

RFID Solutions & Academy Pvt. Ltd.
Enterprise Asset Locating Solutions
IOS Real Time Asset Visibility

RFID

Student Tracking System

Version2.0

RFID Solutions & Academy Pvt. Ltd.
Enterprise Asset Locating Solutions
IOS Real Time Asset Visibility

*ABOUT US…!!

The RFID solutions,

is a division of India Outsources which works with the leading manufacturer of RFID Alien Technologies, USA for RFID tags and RFID Readers.

We provide

- Training.
- Site surveys and consultancy
- Providing solutions on Asset tracking and timing solutions

*RADIO Frequency Identification

Radio Frequency Identification (RFID),

is a technology that allows automatic identification of objects, animals or people by incorporating a small electronic chip on its "host". Data is stored on this chip and can then be "read" by wireless devices, called RFID readers.

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*Why needed

- .

Time & Attendance Alert

Improves Safety

Tracking Locations

*RFID Reader

"**RFID Reader,**

is a device that is used to interrogate an RFID tag. The reader has an antenna that emits radio waves; the tag responds by sending back its data".

*RFID Antenna

"The **antenna**
in an RFID tag is a conductive element that permits the tag to exchange data with the reader"
And the Handheld which has everything reader, wi.

*RFID Tags

" **RFID tag,** is a microchip combined with an antenna in a compact package ;the packaging is structured to allow the RFID tag to be attached to an object to be tracked. The tag's antenna picks up signals from an RFID Reader and then returns the signal".

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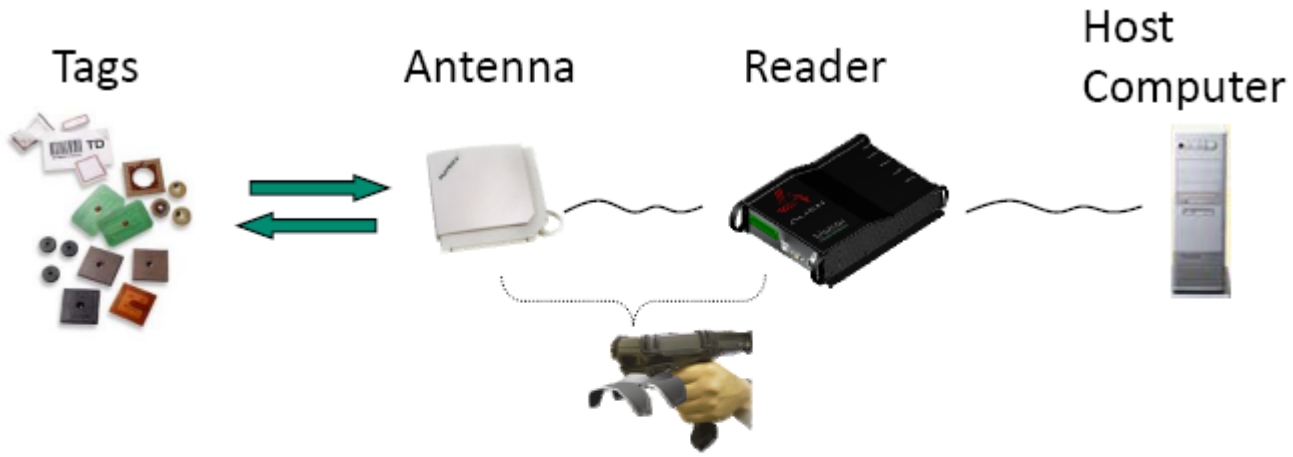
CONNECTION TYPE



- Device made up of an electronic circuit and an integrated antenna
- RF used to transfer data between the tag and antenna

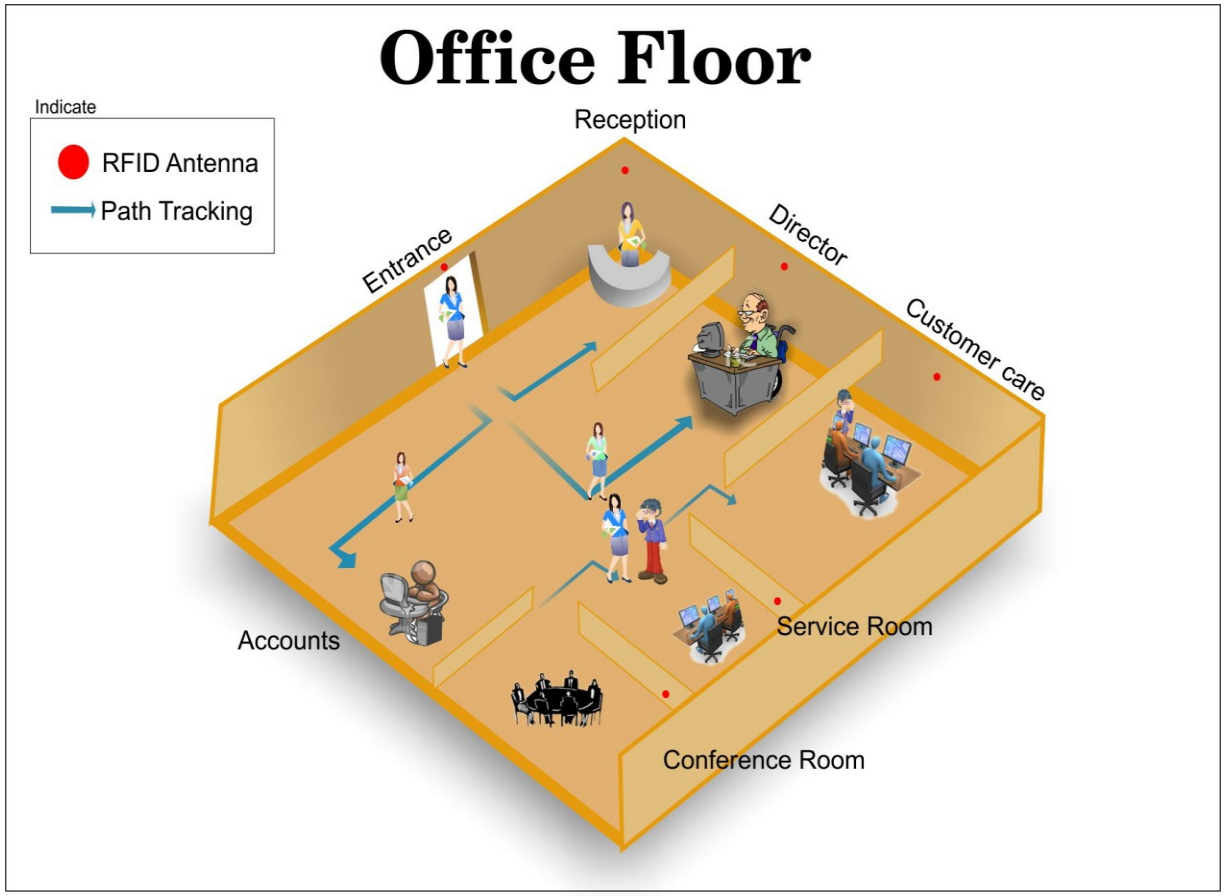
- Wireless data transfer

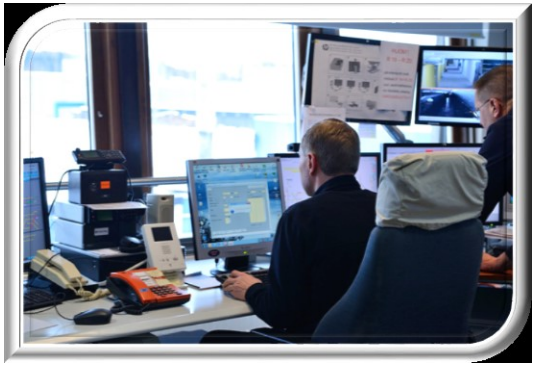
- Interprets radio waves into digital information
- Provides power supply to passive tags

- Stores and evaluates obtained data
- Links the RFID systems to applications (ERP, MRP, etc)

SMS Server

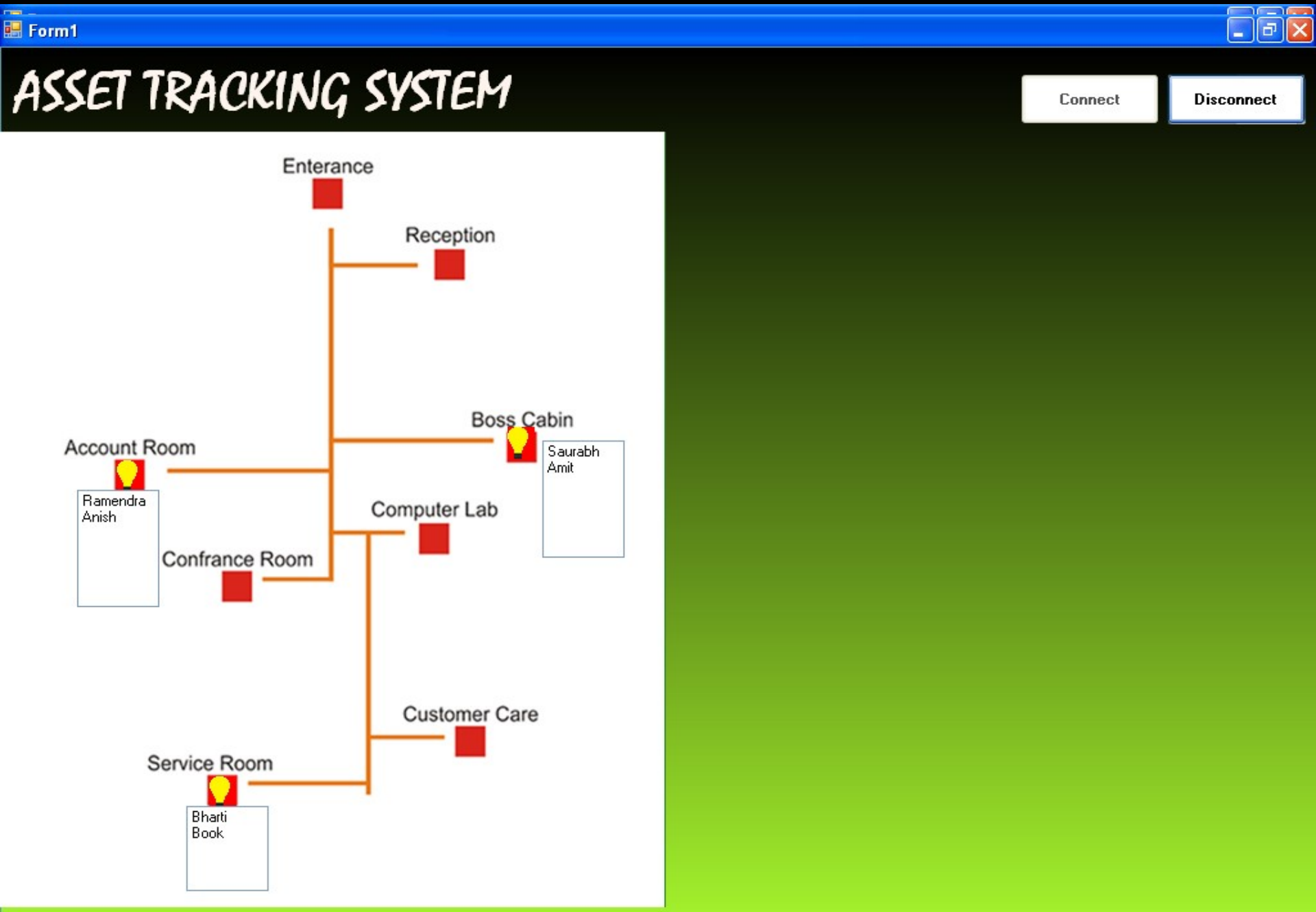
An Overview of the Hardware and Software



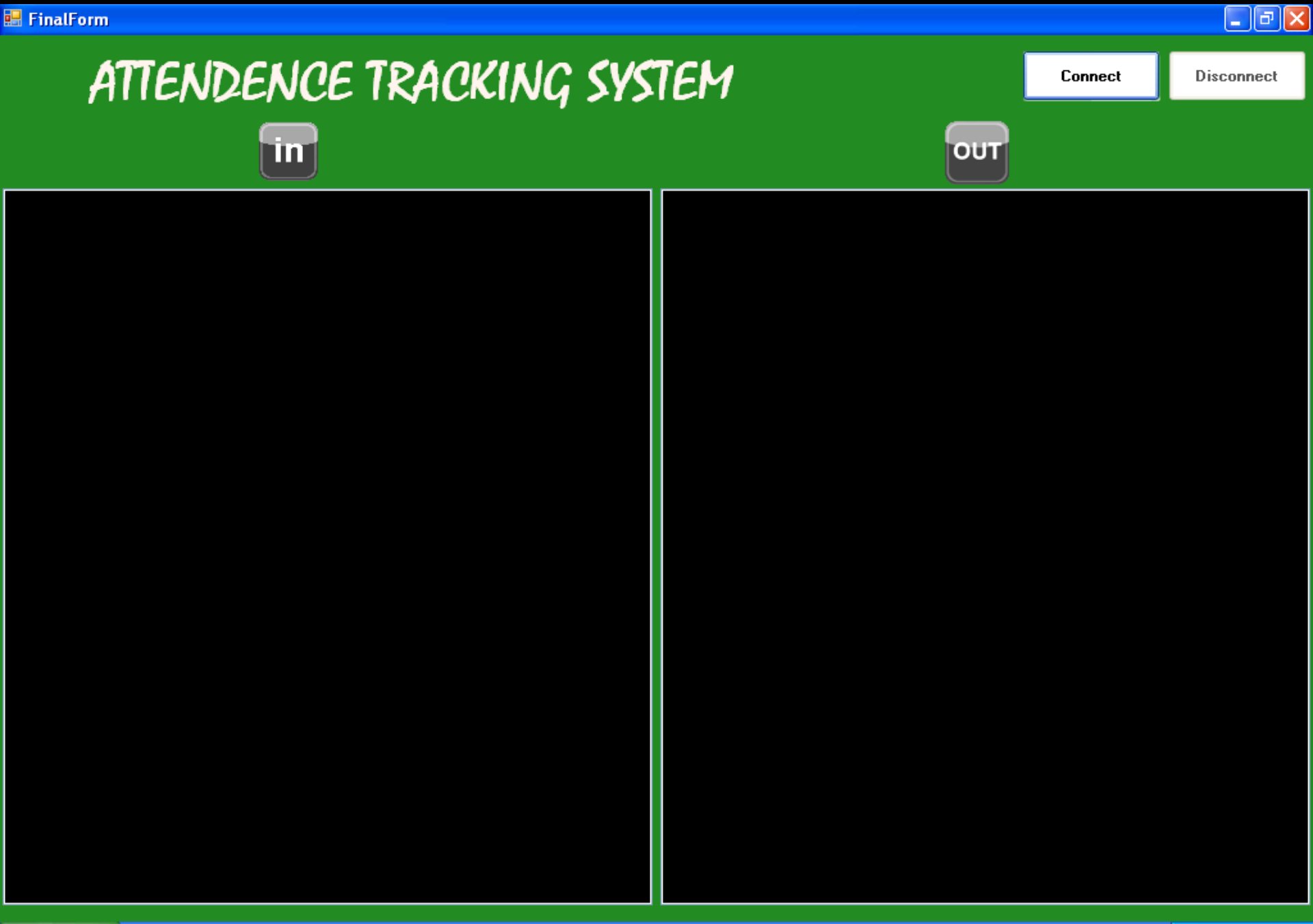


- A Depiction of how a Person moving within the Floor can be tracked using RFID UHF.
- In A Similar way A Student can also be tracked
- Alerts can be raised if a Student is found in zones longer than expected
- Alerts can be raised on unauthorised zones
- SMS Alerts immediately once the candidate enters in the Campus and Exits

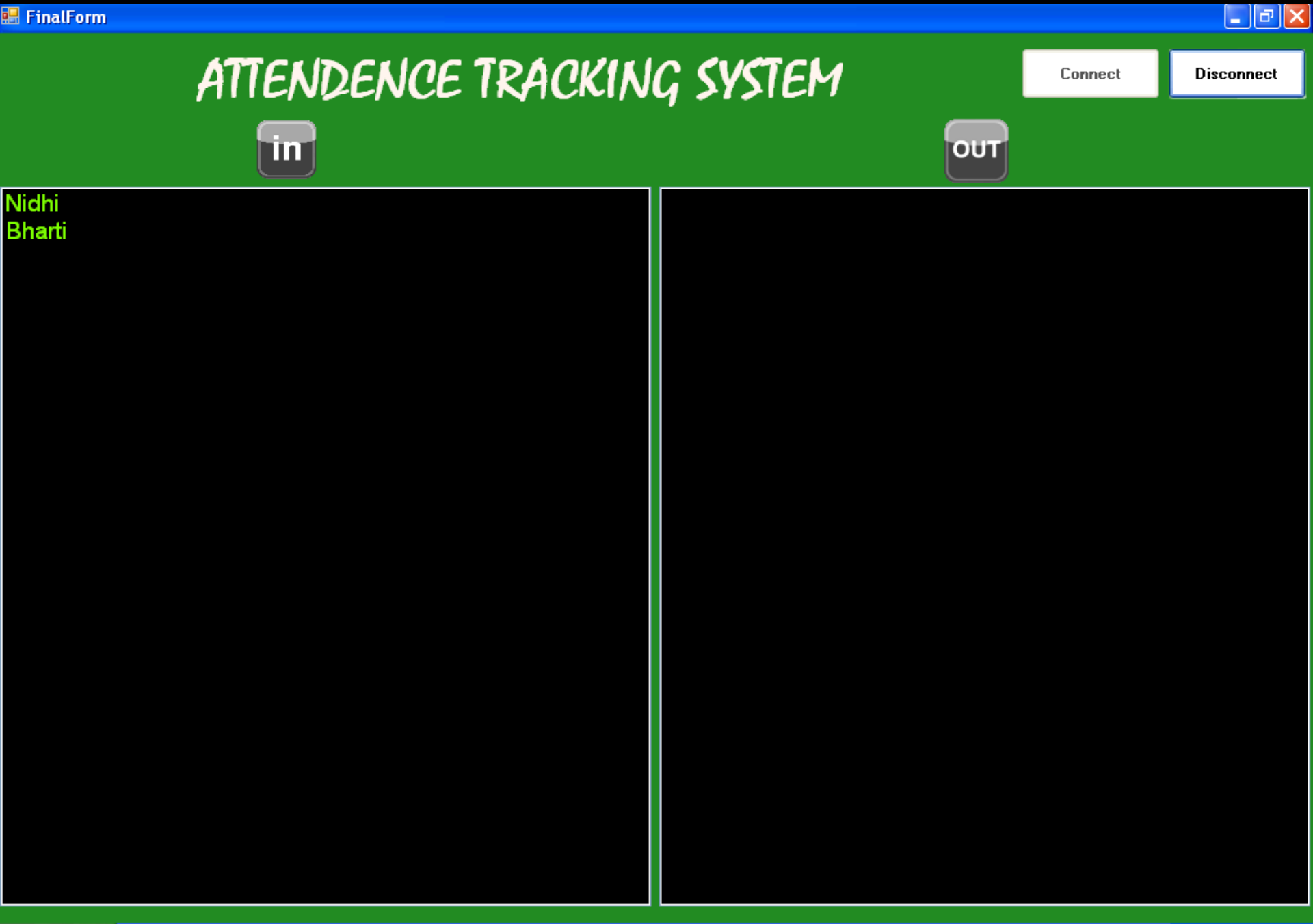
WITHIN CLOSED ENVIRONMENT SHOWING STUDENT



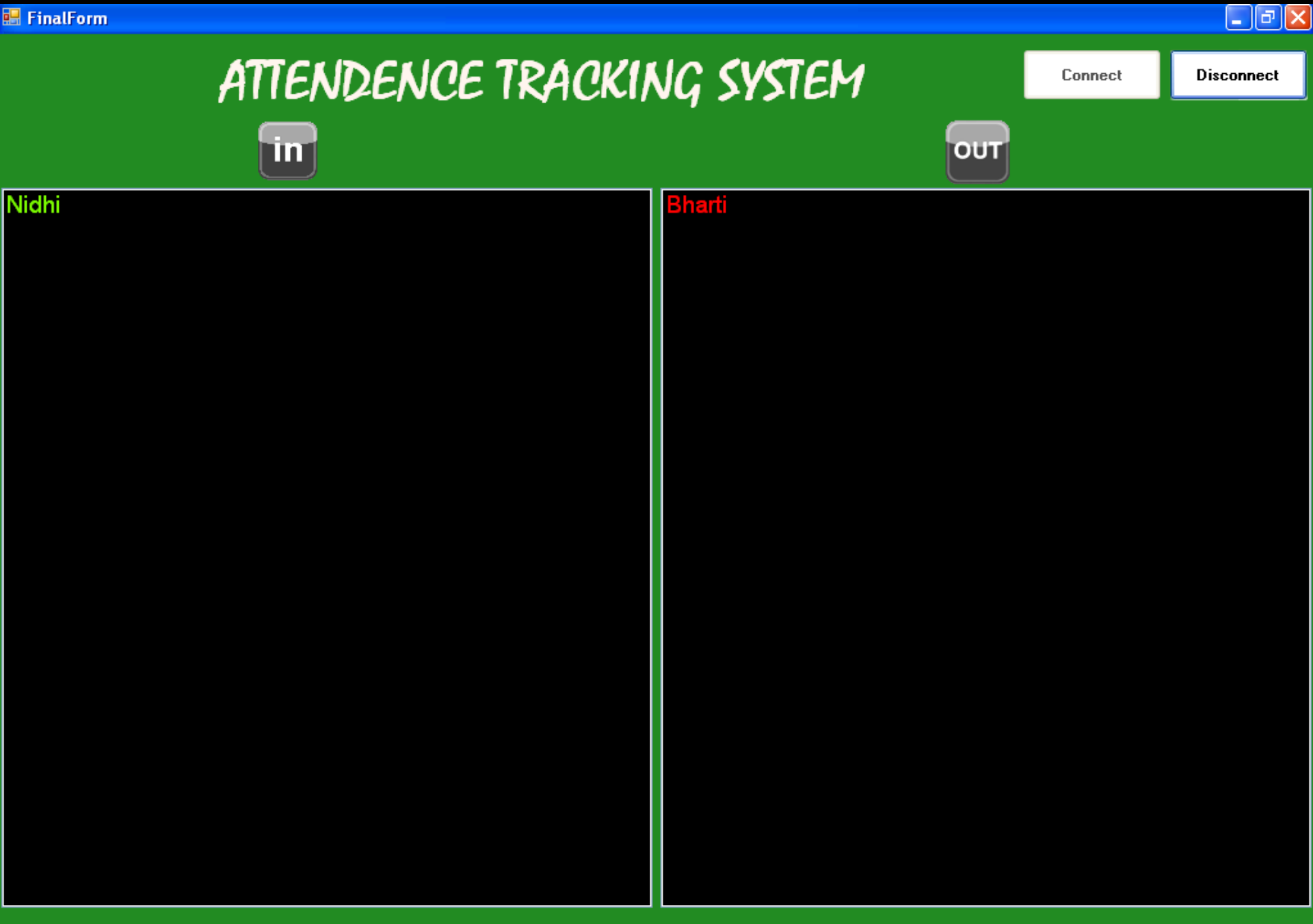
Attendance Window without connected



Attendance Window After connecting



Attendance Window showing in and out employees



ASSETS TRACKING WELCOME SCREEN

MenuForm

ReaderDiscover LocationTracking Assing Tag

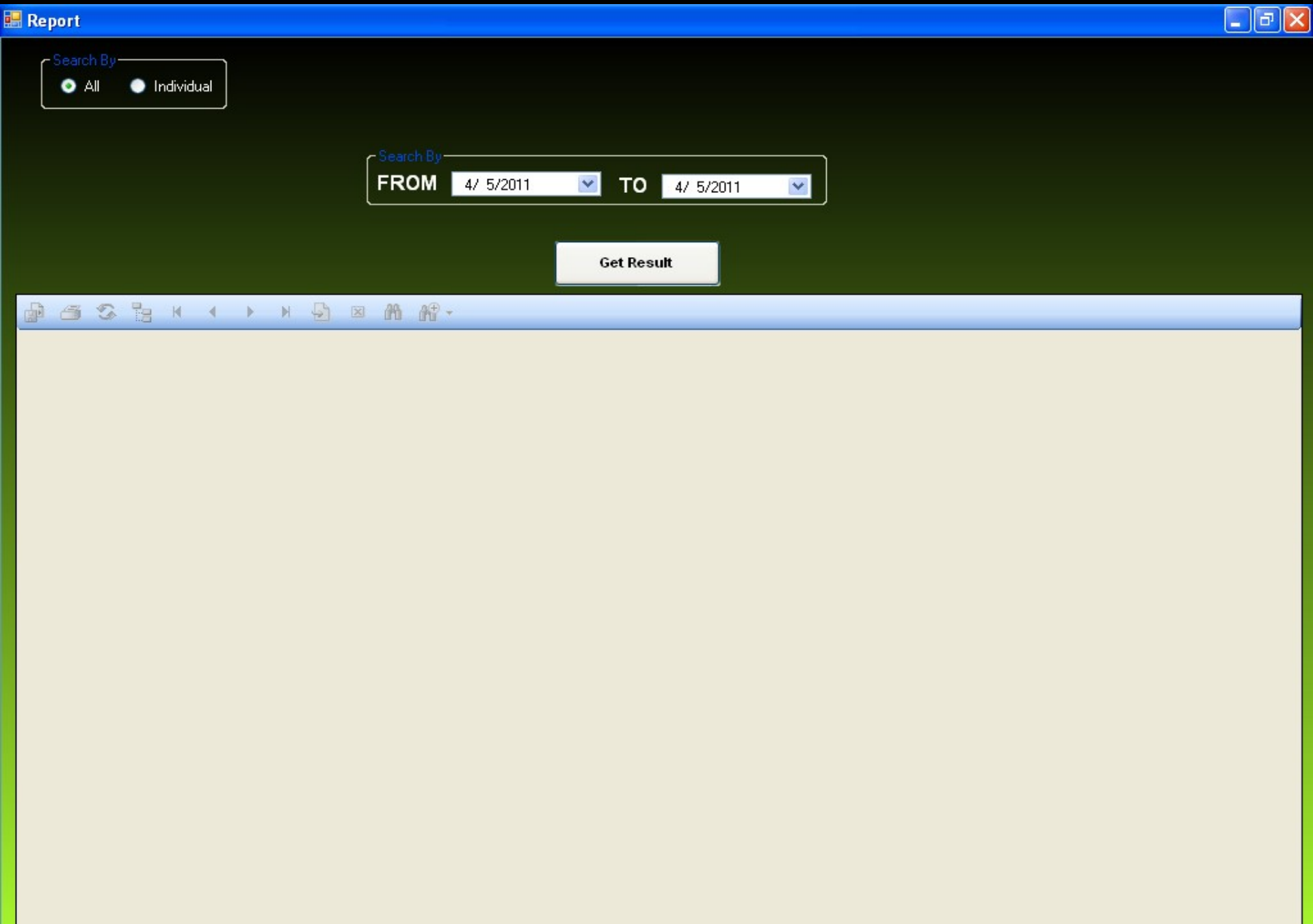
Assets Tracking System

Version 1.0

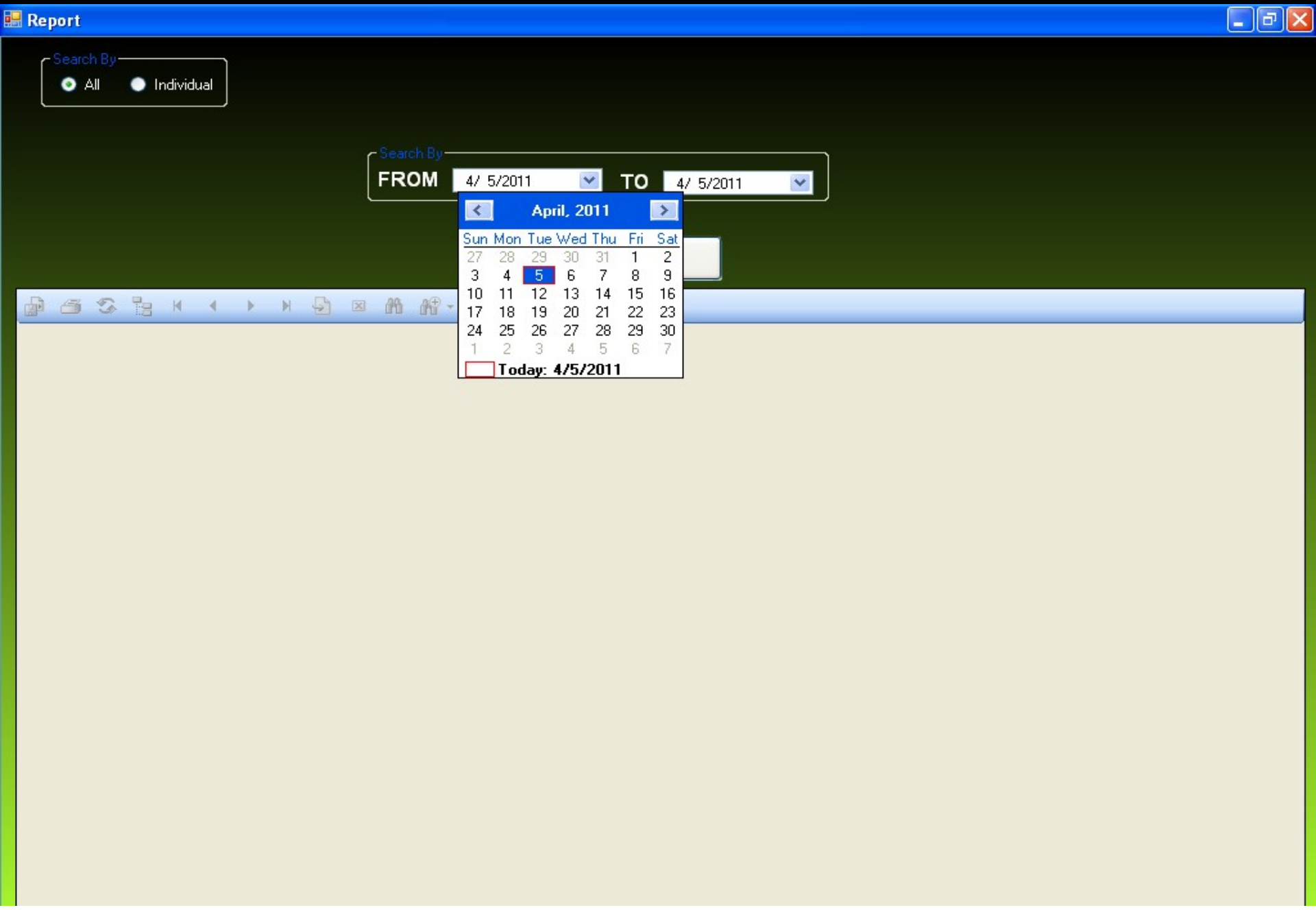
RFID assets tracking, Monitoring and trackingproducts consist of RFIDReaders (RFID interrogators), RFID tags (RFID transponders), and locate ware.

RFID

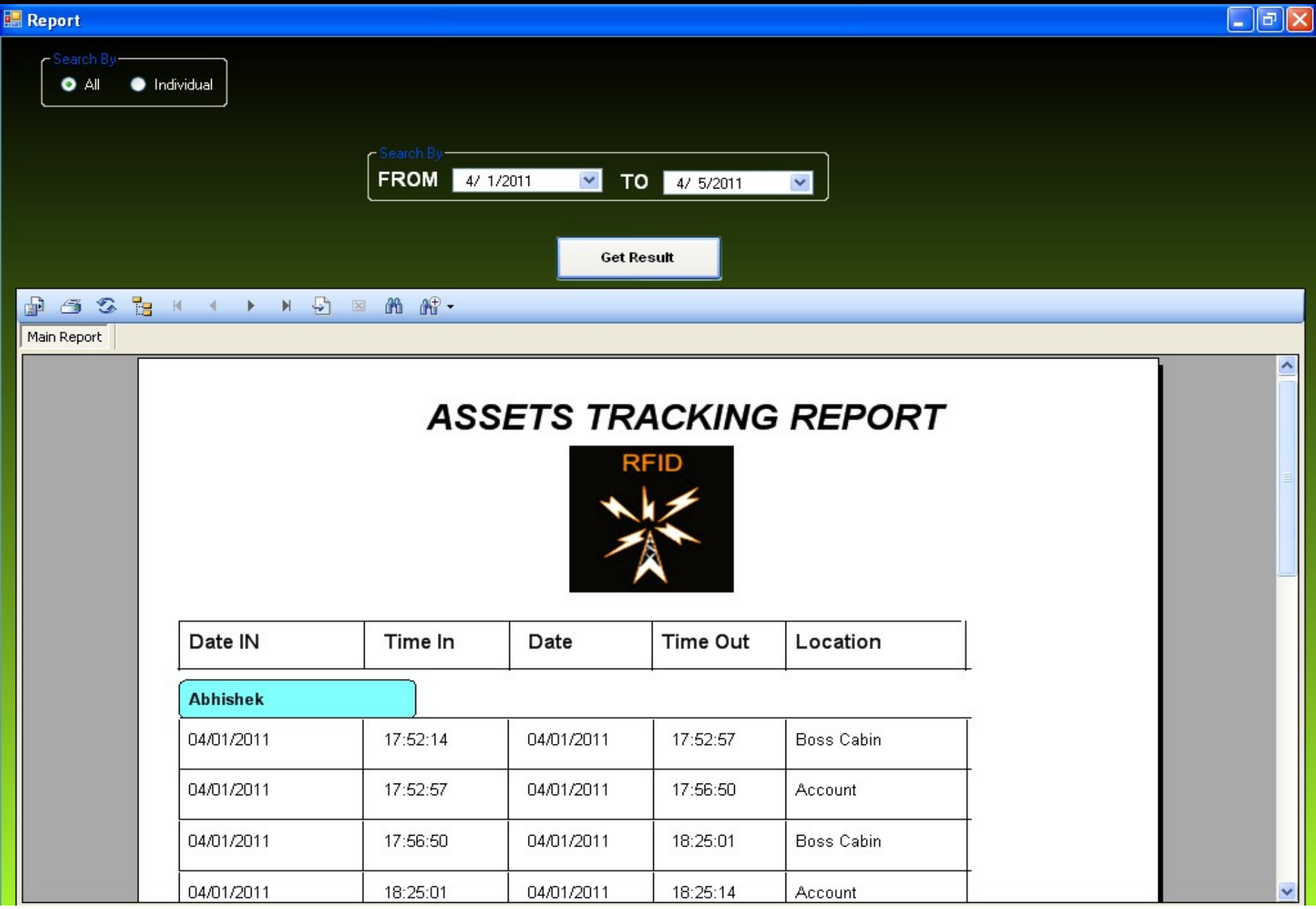
ASSET TRACKING REPORT FOR ALL EMPLOYEE/ASSETS



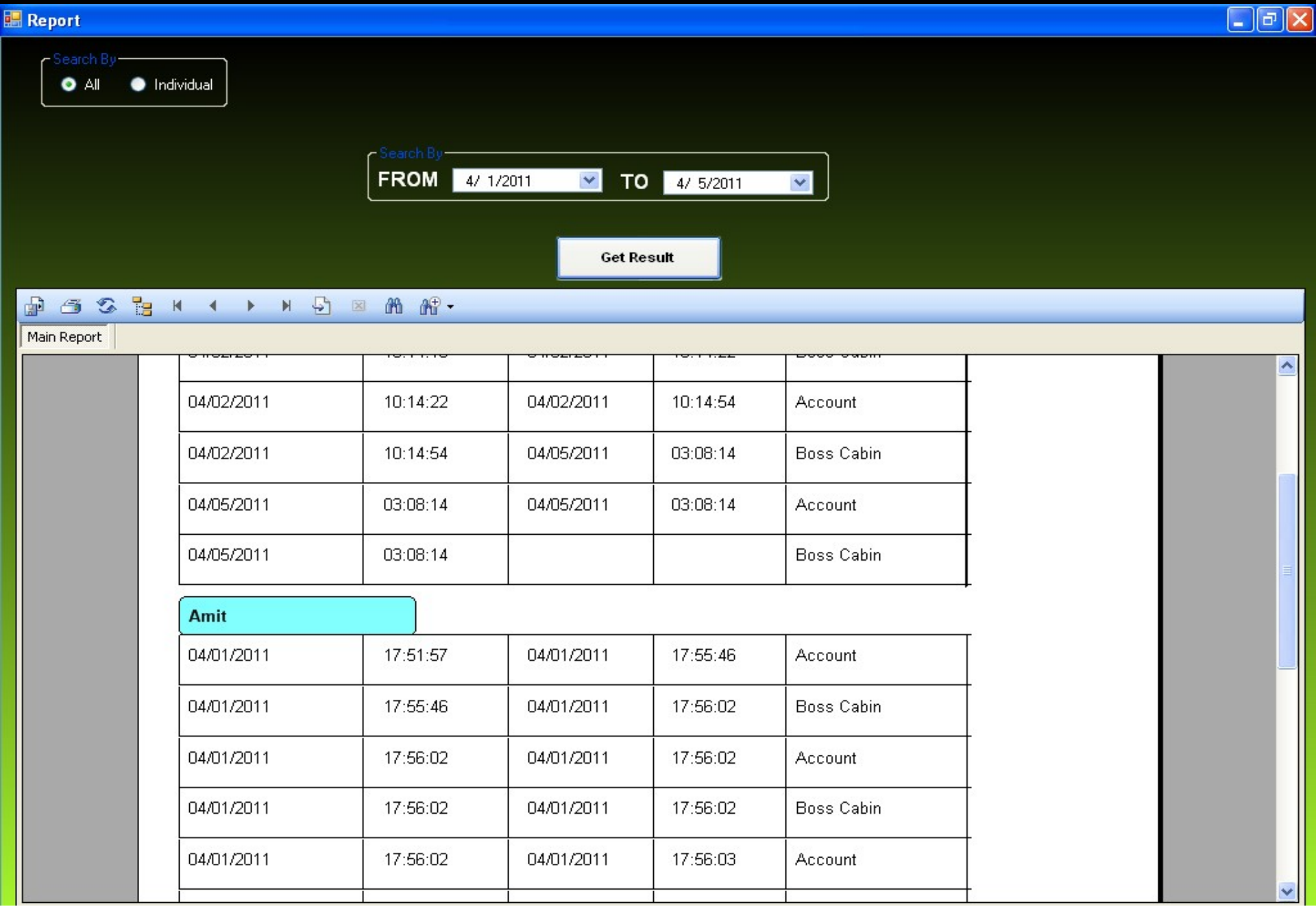
STUDENT TRACKING REPORT SHOWING THE SELECTION OF DATES



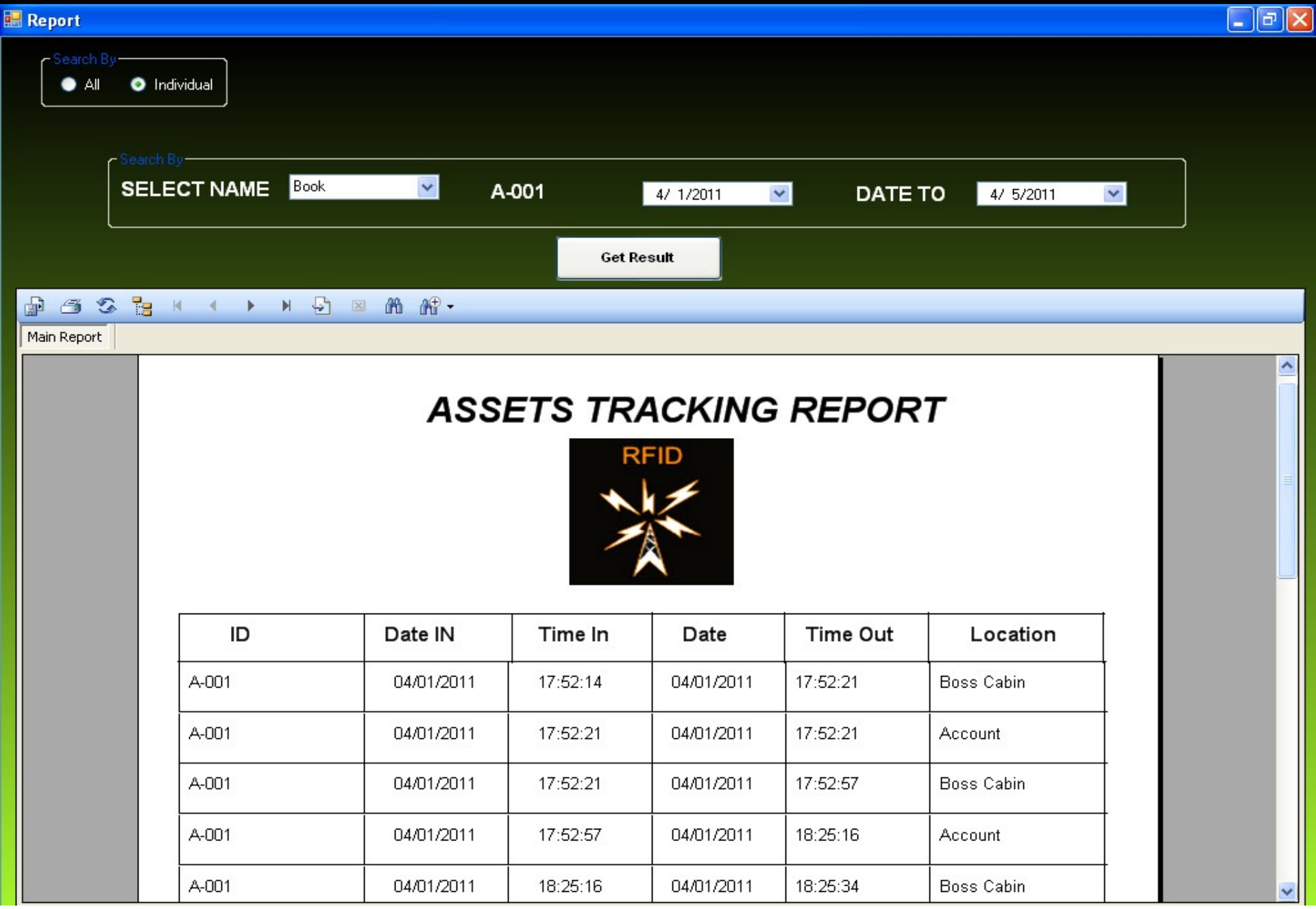
ASSETS TRACKING REPORT VIEW



STUDENT TRACKING REPORT VIEW



STUDENT LOCATION TRACKING REPORT VIEW OF INDIVIDUALY



ID	Date IN	Time In	Date	Time Out	Location
A-001	04/01/2011	17:52:14	04/01/2011	17:52:21	Boss Cabin
A-001	04/01/2011	17:52:21	04/01/2011	17:52:21	Account
A-001	04/01/2011	17:52:21	04/01/2011	17:52:57	Boss Cabin
A-001	04/01/2011	17:52:57	04/01/2011	18:25:16	Account
A-001	04/01/2011	18:25:16	04/01/2011	18:25:34	Boss Cabin

RFID Application:

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RFID Benefits:

Versus Bar Code Labels and Scanning.

- Eliminates Human Error.
- Improve Speed and Efficiency.

Increase Information availability and Location.

- Allows Enhanced Security.
- Delivers Data with or without network connection.

Budgetary Offer

- Cost of Reader with 4 antennae -Rs 2,75,000 sufficient upto 1.5-3m (depending upon area) Entry/Exit Gate
- Cost of Cards only (without Printing) Rs 110 per card
- Cost of the Software Rs 4,50,000
- Cost of SMS Services Vary from provider to Provider 8 - 10 paise per SMS
- AMC @ 15% per annum
- Outsourcing Option Rs 260-280 per year per candidate min 1000 candidates 5 years contract.
- Loss /Renewal of Card Rs 120 + Printing Cost