



RFID Tagging System

www.szbrando.com



Description of Design;

The software needs to be done on PC and can be suitable for LANS, The computer connect with multiple RFID receiver by cable, All RFID receiver with fixed ID number and the software on PC should be identify the ID number of each readers

RFID reader is installed in the entrances and exits, The personnel should be wear the RFID tag when get through the entrances and exits, and the RFID readers can be received the ID information from RFID tags RFID to verify the personnel did entered or left a particular location

Computers and servers



RFID



RFID



RFID



RFID



Routers and switches



RFID receiver



RFID receiver



RFID receiver



RFID receiver



System Software Framework

Location



Leading the map and stored in location, and RFID card reader location information will be placed on the map

Electronic attendance



Recording the personnel's working hours and absent hours, The attendance information need to be able to save for one year and export EXCEL

Electronic fence



Setting work area, fixed personnel, the alarm will go off once exceed this area

User management



User management requires a password to enter the administration interface. The administration interface included;

- 1, Personnel management
- 2, Upload map
- 3, RFID receiver location setting
- 4, Company name setting and LOGO design

Location

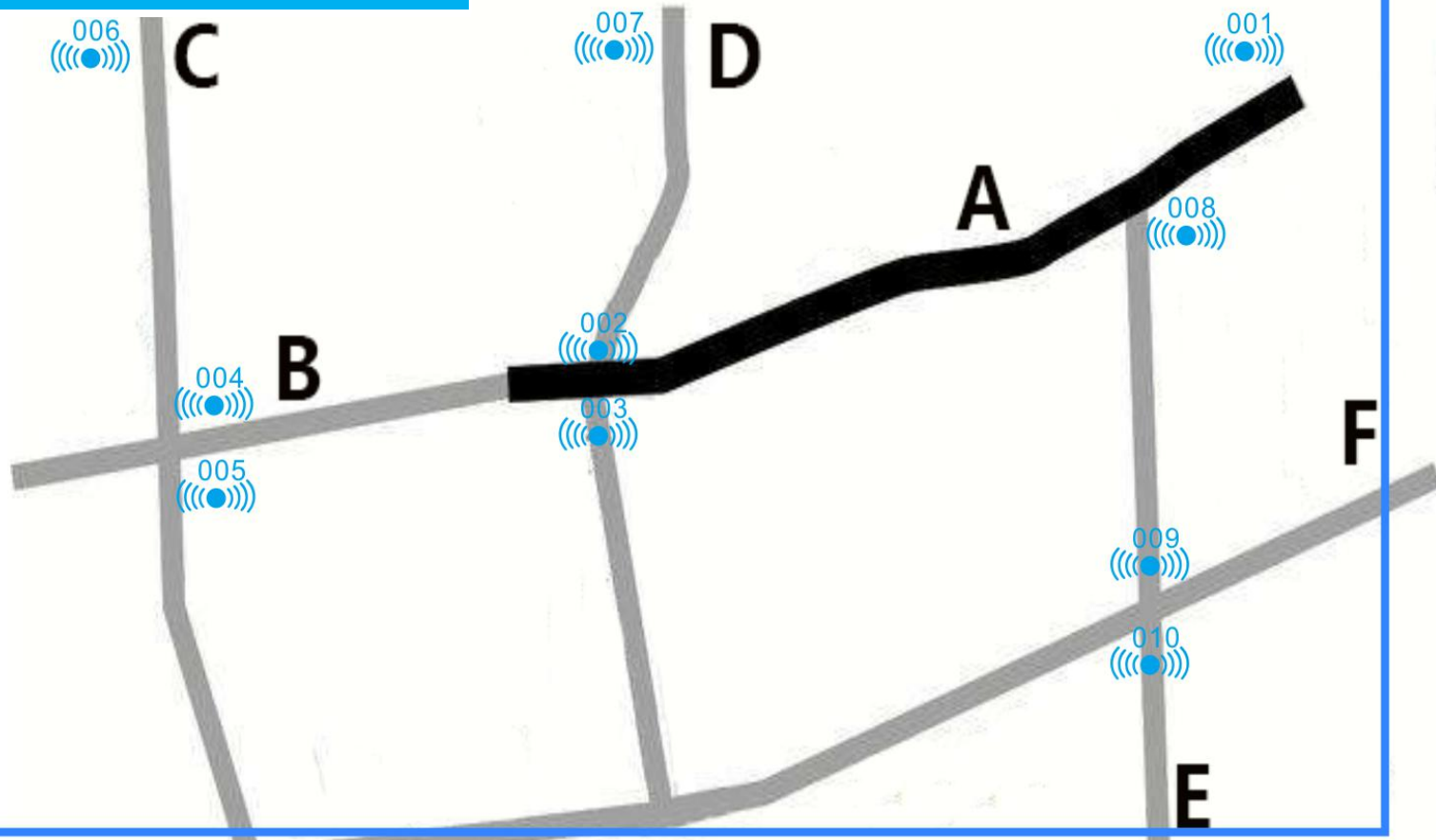


The map levels

1

RFID Reader

- (((●))) 001
- (((●))) 002
- (((●))) 003
- (((●))) 004
- (((●))) 005
- (((●))) 006
- (((●))) 007
- (((●))) 008
- (((●))) 009
- (((●))) 010
- (((●))) 011



The location interface requires the selection of map levels and can be select the number of levels when drop-down menu. Switch between maps by selecting the number of levels, Search for personnel, RFID receiver and route to complete accurate search, can be achieve zoom function through the mouse in map interface

Location



Map interface



RFID Receiver

(((●))) 001

(((●)) 002

(((●)) 003

(((●)) 004

(((●)) 005

(((●)) 006

(((●)) 007

(((●)) 008

(((●)) 009

(((●)) 010


(((●)) 011

 Aiden

 Jacob

 Ethan

 Matthew

 Nicholas

 Jack

 Joshua

 Michael

 Ryan

 Andrew

 Caden

 Tyler

 Jaden

 Jacob

 Connor

 Logan

 Caleb

 Noah

 Alexande

 Jackson

 Brayden

 Lucas

 William

 Nathan

 Joseph

 Justin

 Daniel

 James

 Gavin

 Evan

 Austin

 Mason

 Luke

 Christian

 Gabriel

 Samuel

 Jaden

 Jacob

 Connor

 Logan

 Caleb



The personnel information can be show up When clicks on the RFID receiver, and the number of personnel working under the RFID receiver can be viewed.

Location



Map interface

RFID Receiver

- (((●))) 001
- (((●)) 002
- (((●)) 003
- (((●)) 004
- (((●)) 005
- (((●)) 006
- (((●)) 007
- (((●)) 008
- (((●)) 009
- (((●)) 010
- (((●)) 011

- Aiden
- Jacob
- Ethan
- Matthe
- Nichola
- Jack
- Joshua
- Michael
- Ryan
- Andrew
- Caden
- Tyler

- Jaden
- William
- Nathan

- Joseph
- Gabriel
- Samuel

- Jaden
- Jacob
- Connor
- Logan
- Caleb

Name;	<input type="text"/>	Add;	<input type="text"/>
Gender;	<input type="text"/>	emergency contact;	<input type="text"/>
Age;	<input type="text"/>	1	<input type="text"/>
Nationality;	<input type="text"/>	Contact;	<input type="text"/>
		2	<input type="text"/>
Contact;	<input type="text"/>		
Education	<input type="text"/>		
TEL No.;	<input type="text"/>		
ID No.;	<input type="text"/>		



Clicking on a name will show personal's information

Electronic attendance



Search

Personnel

Date

2018.11.1

2018.12.1

status

On time

leave early

Late

DATE	Go to work time	Time from work	Go to work time	Time from work
2018. 11. 2				
2018. 11. 3				
2018. 11. 4				
2018. 11. 5				
2018. 11. 6				
2018. 11. 7				
2018. 11. 8				
2018. 11. 9				
2018. 11. 10				
2018. 11. 11				
2018. 11. 12				
2018. 11. 13				
2018. 11. 14				

Personnels

The personnel's working time information can be found by name and time



Electronic attendance

On time

leave early

Late

Search

Personnels

Date

2018.11.1

2018.12.1

status

Exprt EXCEL

WORKERS+

- Aiden
- Jacob
- Ethan
- Matthew
- Nicholas
- Jack
- Joshua
- Michael
- Ryan
- Andrew
- Caden
- Tyler

- Aiden
- Jacob
- Ethan
- Matthew
- Nicholas
- Jack
- Joshua
- Michael
- Ryan
- Andrew
- Caden
- Tyler

- Jaden
- Jacob
- Connor
- Logan
- Caleb
- Noah
- Alexande
- Jackson
- Brayden
- Lucas
- William
- Nathan

- Joseph
- Justin
- Daniel
- James
- Gavin
- Evan
- Austin
- Mason
- Luke
- Christian
- Gabriel
- Samuel

- Jaden
- Jacob
- Connor
- Logan
- Caleb

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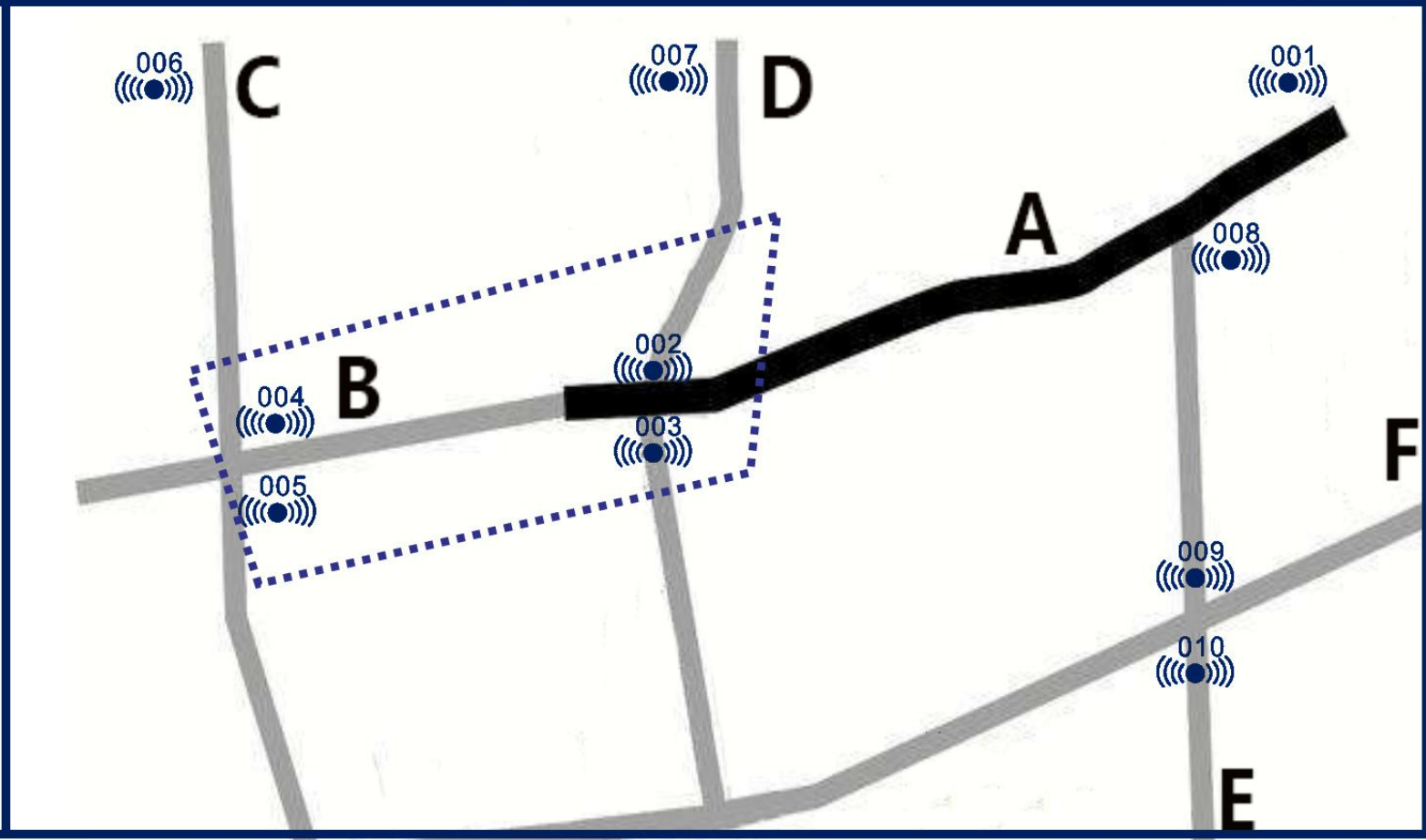
Click on the Personnels to add staff and export the EXCEL sheet



Electronic fence

Create a new electronic fence

- (((●))) 001
- (((●))) 002
- (((●))) 003
- (((●))) 004
- (((●))) 005
- (((●))) 006
- (((●))) 007
- (((●))) 008
- (((●))) 009
- (((●))) 010
- (((●))) 011





Electronic fence

Fence Name	Edit	
Danger	Edit	Delete
Caution	Edit	Delete
Safety	Edit	Delete
Special operation	Edit	Delete

Add staff

WORKERS

<ul style="list-style-type: none"> Aiden Jacob Ethan Matthew Nicholas Jack Joshua Michael Ryan Andrew Caden Tyler 	<ul style="list-style-type: none"> Aiden Jacob Ethan Matthew Nicholas Jack Joshua Michael Ryan Andrew Caden Tyler 	<ul style="list-style-type: none"> Jaden Jacob Connor Logan Caleb Noah Alexandre Jackson Brayden Lucas William Nathan 	<ul style="list-style-type: none"> Joseph Justin Daniel James Gavin Evan Austin Mason Luke Christian Gabriel Samuel 	<ul style="list-style-type: none"> Jaden Jacob Connor Logan Caleb
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Add RFID Receiver

- 001
- 002
- 003
- 004
- 005
- 006
- 007
- 008
- 009
- 010
- 011



Administrator Login

user name;

Password;

Login

Users need login name and password to log in, and the login password can be set after entering, The initial password is set to 00000000

User management



Map Adding

Maps can be loaded as images, and move the RFID receiver to any location on the map and save

RFID Receiver Adding

Search for the RFID receiver's fixed ID number, name it and add it to the list of RFID receivers

Staff Adding

Search for the RFID tag ID number, and adding staff's details

User Setting

Setting user's password and adding user's information (Company name and Logo)