

**Register**

Enter information for register.

Address

Number:

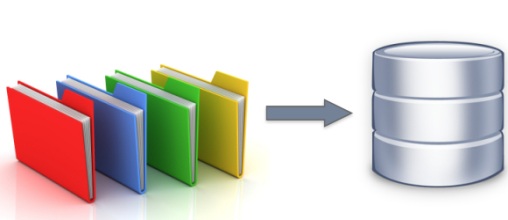
Frist Credit:

Name:

Receive information to database.

Input fingerprint





Receive information to database.

Create Account for prison



+

5000 $



**Deposit**

-Family deposit to prisoner by give money to officer at the counter.

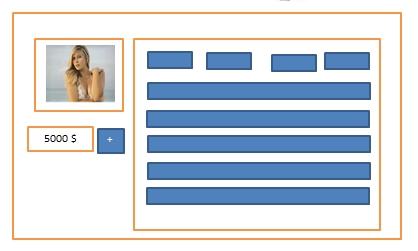
-Officer will make 3 bills for depositor, prisoner and get one in office for used as evidence.

-officer will increase credit for that prisoner.



+

10,000









**Dealing**

Provide fingerprint scanner to user and user scan for call credit information.

Prisoners go to the store.

Program show information detail and list product.

-Sell product not more 200$

Stock

Member

Sell

Report

Account

Log out

ID

Name

Address

500

Total

Sell

Cancel

Add

Stock

Member

Sell

Report

Account

Log out

ID

Name

Address

400

Total

Sell

Cancel

Add

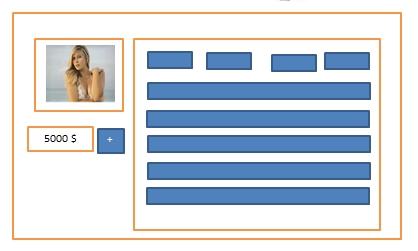


When finish dealing program will calculate total price and credit.

|  |  |  |  |
| --- | --- | --- | --- |
| No | Product list | Number | Price |
| 1 | Milk | 5 | 100 |

|  |  |  |  |
| --- | --- | --- | --- |
| No | Product list | Number | Price |
|  |  |  |  |



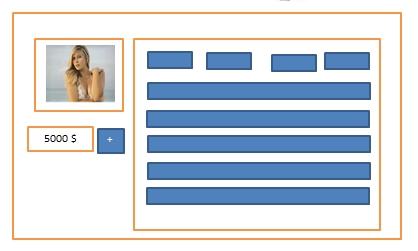


**Withdrawal**

* Prisoner request withdrawal
* Prisoner get the document to officer
* Prison calculate withdrawal money in prisoner account
* Officer give the cash to the prisoner











**Interface Design**

Log out

Account

Report

Sell

Member

Stock



Add

Add new Product

Edit

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Product Id | Product list | Product type | Product price | Number  Of product |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |

Password

Username

Extit

Login

Delete Product







-Can add Product.

-Can add new Product.

-Can delete product

-Can edit detail.

-Show the detail of product





-Number of product will reduce follow the number that product sell.

**Interface Design**

Log out

Account

Report

Sell

Member

Stock

Log out

Account

Report

Sell

Member

Stock

Remove member

Add new member

Search

ID

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Tel | Address | credit |
| 552115007 |  |  |  |  |
| 552115053 | Champ | 0826962132 | Fang | 5000 |

Name

Tel

Credit

Address

Deposit

Back

Withdrawal

Financial

Stock

Member

Sell

Report

Account

Log out

Stock

Member

Sell

Report

Account

Log out

Medicine

Drink

Snack

Wares

Other

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Product list | Number | Price | Buyer | seller | time |
|  |  |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| No | Product list | Product type | Product price |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |

ID

Name

Address

Back

Add

Add

Sell

Cancel

Total

Credit

**Interface Design**

Date

Account of Admin

Account of Financial

Stock

Member

Sell

Report

Account

Log out

Search

DATE

Stock

Member

Sell

Report

Account

Log out

Send

Import report

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Product list | Price | number | Buyer | seller | time |
|  |  |  |  |  |  |  |

Send

Deposit

Send

Withdrawal

Total

Reporting Financial

Stock

Member

Sell

Report

Account

Log out

Account of Admin

Account of Financial

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | NAME | USER NAME | Position | Add to account by |
|  |  |  |  |  |

Change Information

Black list

Band

**Stock database Sell One List database**

**Database Design**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Product ID | Product list | Number | Price | Buyer | seller | time |
| 0001 |  |  |  |  |  |  |
| 0002 |  |  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Product Id | Product list | Product type | Product price | Number Of product |
| 1 |  |  |  |  |
| 2 |  |  |  |  |

**Prisoner database**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ID | Name | Tel | Address | credit | Picture | Fingerprint |
| 552115007 | Ting | 0812345678 | Chaingrai | 200 |  |  |
| 552115053 | Champ | 0826962132 | Fang | 5000 |  |  |

**Financial database**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Name | Tel | Withdrawal | Deposit | Buy list | Buy price | Date |
| 552115007 |  |  |  |  |  |  |  |
| 552115053 | Champ | 0826962132 | Fang | 5000 |  |  |  |

**Report selling database Report list database**

|  |  |  |  |
| --- | --- | --- | --- |
| No | Product list | Product type | Product price |
| 1 |  |  |  |
| 2 |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Product list | Price | number | Buyer | seller | time |
|  |  |  |  |  |  |  |

**Financial database Admin database**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Input | Selling | Deposit | Withdrawal | total |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | NAME | USER NAME | Position | Add to account by |
|  |  |  |  |  |
|  |  |  |  |  |

**Stock database Sell One List database**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Product ID | Product list | Number | Price | Buyer | seller | time |
| 0001 |  |  |  |  |  |  |
| 0002 |  |  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Product Id | Product list | Product type | Product price | Number Of product |
| 1 |  |  |  |  |
| 2 |  |  |  |  |

**Prisoner database**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ID | Name | Tel | Address | credit | Picture | Fingerprint |
| 552115007 | Ting | 0812345678 | Chaingrai | 200 |  |  |
| 552115053 | Champ | 0826962132 | Fang | 5000 |  |  |

**Financial database**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Name | Tel | Withdrawal | Deposit | Buy list | Buy price | Date |
| 552115007 |  |  |  |  |  |  |  |
| 552115053 | Champ | 0826962132 | Fang | 5000 |  |  |  |

**Report selling database Report list database**

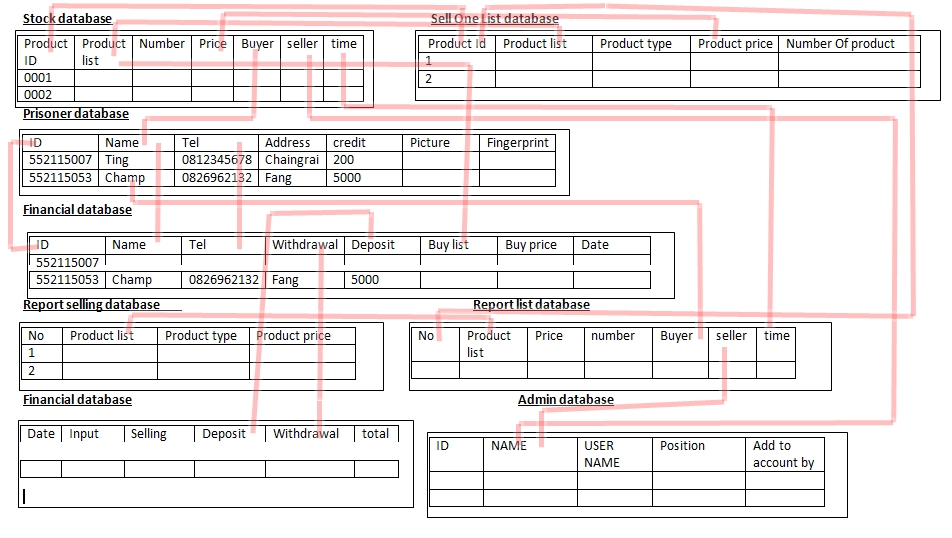
|  |  |  |  |
| --- | --- | --- | --- |
| No | Product list | Product type | Product price |
| 1 |  |  |  |
| 2 |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Product list | Price | number | Buyer | seller | time |
|  |  |  |  |  |  |  |

**Financial database Admin database**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Input | Selling | Deposit | Withdrawal | total |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | NAME | USER NAME | Position | Add to account by |
|  |  |  |  |  |
|  |  |  |  |  |





Prisoner Account

Officer Account

Bills

Account

Prison

**Over view**



Request

Get bill



Make bills

Request





Request

Scan

Deposit

Family





Total price

Officer



Scan finger

Finger print

Transporter



Buy

BUY

Store

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Stock database | Sell One List database | Prisoner database | Prisoner Financial database | Report selling database | Report list database | Financial account database | Admin database |
| Product ID |  |  |  |  |  |  |  |  |
| Product list |  |  |  |  |  |  |  |  |
| Product type |  |  |  |  |  |  |  |  |
| Product Price |  |  |  |  |  |  |  |  |
| Number of Product |  |  |  |  |  |  |  |  |
| Prisoner ID |  |  |  |  |  |  |  |  |
| Prisoner Name |  |  |  |  |  |  |  |  |
| Prisoner tell |  |  |  |  |  |  |  |  |
| Prisoner Address |  |  |  |  |  |  |  |  |
| Prisoner Credit |  |  |  |  |  |  |  |  |
| Prisoner picture |  |  |  |  |  |  |  |  |
| Prisoner Fingerprint |  |  |  |  |  |  |  |  |
| Prisoner withdrawal |  |  |  |  |  |  |  |  |
| Prisoner deposit |  |  |  |  |  |  |  |  |
| Prisoner buy list |  |  |  |  |  |  |  |  |
| Prisoner buy price |  |  |  |  |  |  |  |  |
| Date buy |  |  |  |  |  |  |  |  |
| Sell ID |  |  |  |  |  |  |  |  |
| Number that buy |  |  |  |  |  |  |  |  |
| Date |  |  |  |  |  |  |  |  |
| Time |  |  |  |  |  |  |  |  |
| Import |  |  |  |  |  |  |  |  |
| Total balanced |  |  |  |  |  |  |  |  |
| Officer ID |  |  |  |  |  |  |  |  |
| Officer Name |  |  |  |  |  |  |  |  |
| User name |  |  |  |  |  |  |  |  |
| Officer position |  |  |  |  |  |  |  |  |
| Add tot account by |  |  |  |  |  |  |  |  |

Check the balance



Prison

Prisoner information Database



Send message about prisoner balance to relative of prisoner.

Prisoner scan when want to buy product in the store.



If do not connect device finger scanner. Store can sell y input prisoner ID for show the balance



Program will show information to officer about balance and some data

Deposit the cash to the officer





Store

Database

Get the money when buy the product summary after buy product



-Officer can sell or check product in the store.

-For the dealing program will record the dealing such as the list of product that sell time

-Increase or decrease amount of product when add product or sell.

-Add new product

Buy the product to the store



Relative of prisoner

Officer

Admin login for start the system

-System check ID and password

-Officer can see the record.

-If have financial about archives money officer must record.

-Record deposited.



Archives money

- Get the cash money from the prison in the save.

-Pay the money that buys the product into the store



**Chapter One | Introduction and Background**

The prisons in Thailand still use the manual base that more complexly make trouble for the officer. In the prison the prisoner cannot use the cash money in the dealing it is the policy of Department of Corrections. The system in the present use is the coupon system. Coupon as paper which is high risk of lost and damage. It also takes a lot of process to withdrawal the coupon. The officer uses the book accounts for calculate balance of prisoner that easy to mistake that form the human. When prisoner wants to use his money he must require to officer .Officer will check in the book account of prisoner and calculate the balance that relative of prisoner deposit like the blank. Then, when prisoner buy product in the shop officer must check expiration date and record product list after dealing. All process in the prison is a manual-base.

Our project will help the officer manage financial in the prison it will follow the currently process and gives comfortable to prisoner and officer by use technology. Our project can dealing product by using fingerprints system instead coupon system. Prisoner can use just finger scan at the finger scanner the program will show information and balance of prisoner to officer. Officer can deal the product to prisoner buy chick at the product in program. Program will calculate amount of price product whit the balance. When the prisoner buy the product program will record the list of product that prisoner buy. About financial of prisoner program will manage the deposit money that come from the relative of prison. About financial of store product will manage the import and export product it will have summary income of the day and record about the product that sell, program will record the list of product that prisoner buy. Officer can check all that program record such as time and product that prisoner buy, the financial of prisoner when he pay or when the relative deposit. Program can record the name of relative. Moreover, the system gives the function send message to relative of prisoner about balance of prisoner.

The program uses java, PHP HTML and python langue to create and develop web application. Program will use web that connect whit the database server that use MYSQL program. Google calendar to send message to relative of prisoner about balance and Arduino to help connect the fingerprint scanner in the prison shop when prisoner want to buy the product he can touch the finger and buying.



Admin login for start the system

-System check ID and password

Archives money

- Get the cash money from the prison in the save.

-Pay the money that buys the product into the store

-Officer can see the record.

-If have financial about archives money officer must record.

-Record deposited.

Buy the product by scan finger in the shop

Get the bill confirm that have income

Prisoner



Officer

Store

Admin login for start the system

-System check ID and password

Family deposit cash money to officer

Officer dealing the product in the store

Officer mange stock in the store

Program summaryincome of the day.