Use case diagram

- customer
- admin
- technician

- create account
- login/logout
- edit profile
- home service reservation
- view schedule
- view history
- view home service status
- add service option

customer
- customer ID :
- customer name :
- phone :
- address :

+ add customer()
+ edit customer()
+ delete customer()

order
- order ID :
- customer ID :
- customer name :
- product ID :
- amount :
- order date :

+ create order()
+ edit order()

stock
- product ID :
- quantity :
- shop no :

+ add stock()
+ modify stock()
+ select stock item()

product
- product ID :
- product price :
- product type :

+ add product()
+ modify product()
+ select product()

```cpp
// Constructors/Destructors
//

order::order () {
initAttributes();
}

order::~order () { }

//
// Methods
//


// Accessor methods
//


// Other methods
//

void order::initAttributes () {
}
```

```cpp
#include "stock.h"

// Constructors/Destructors
//

stock::stock () {
initAttributes();
}

stock::~stock () { }

//
// Methods
//


// Accessor methods
//


// Other methods
//

void stock::initAttributes () {
}
```

```cpp
#ifndef PRODUCT_H
#define PRODUCT_H
#include "order.h"
#include "stock.h"

#include <string>
#include vector


/**
  * class product
  *
  */

class product : public order, public stock
{
public:

  // Constructors/Destructors
  //


  /**
    * Empty Constructor
    */
  product ();

  /**
    * Empty Destructor
    */
  virtual ~product ();

  // Static Public attributes
```