Topic : Online Bill and Event Reminder System

Group no : MLB_WE_01.01_G1_08

Campus : Malabe / Metro / Matara / Kandy / Kurunegala / Kandy / Jaffna

Submission Date : 19 /05/2022

We declare that this is our own work and this Assignment does not incorporate without acknowledgment any material previously submitted by anyone else in SLIIT or any other university/Institute. And we declare that each one of us equally contributed to the completion of this Assignment.

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Online Bill and Event Reminder System

Customer can visit the system. In system view various payment services. These are insurance, utility and mobile. If customer prefer to pay bills, then the customer has to register to the system. At the registration, customer enters their details and accept the terms and conditions. Registered customer is a customer. Then registered customer can add to favourites. These are mobile bills, electricity bills and water bills. Also registered customer can add reminders and remove reminders. If registered customer wants to changed account details, then they can update the profile. Furthermore, registered customer can make bill payments by visa, master, or PayPal. Customer care person contact customers, create reports, and provide information and solutions. When customer care person contacts with customers, these customers give feedbacks via messages or via emails or via calls. Web developer is a kind of customer care person. Web developer can monitor website traffic, troubleshoot web site problems, changed web site structure, maintain website and update website. Administrator is a kind of web developer. Administrator can manage payment services, add new events, remove events and update database. If need to change user access, then the administrator can manage users by add users and remove users.

Classes:

1. Customer
2. Registered Customer
3. Customer Care Person
4. Web Developer
5. Administrator
6. Bill
7. Event
8. Payment

CRC Cards

1.

Customer Class	
Responsibilities	**Collaborations**
• Visit the system	

2.

Registered Customer Class	
Responsibilities	**Collaborations**
• Register Details	
• Pay bills	Bill class
• Visit the system	
• Add favourites	Bill class
• Add reminders	Bill class, Event class
• Remove reminders	Bill class, Event class
• Update profile	
• Give feedbacks	Customer care person class

3.

Customer Care Person Class	
Responsibilities	**Collaborations**
• Contact customers	Customer class, Registered Customer class
• Create reports	Bill class, Event class
• Provide information Provide solution	

4.

Web developer Class	
Responsibilities	**Collaborations**
• Contact customers • Create reports • Provide information • Provide solutions • Monitor website traffic • Troubleshoot website problems • Change website structure • Maintain website • Update website	Customer class, Registered Customer class Bill class, Event class

5.

Administrator Class	
Responsibilities	**Collaborations**
• Contact customers • Create reports • Provide information • Provide solutions • Monitor website traffic • Troubleshoot website problems • Change website structure • Maintain website • Update website • Manage payment services • Add and remove events • Update database • Manage user access	Customer class, Registered Customer class Bill class, Event class Payment class Event class

6.

<table>
<tr><th colspan="2">Bill Class</th></tr>
<tr><td><b><u>Responsibilities</u></b>
• Details of bills</td><td><b><u>Collaborations</u></b></td></tr>
</table>

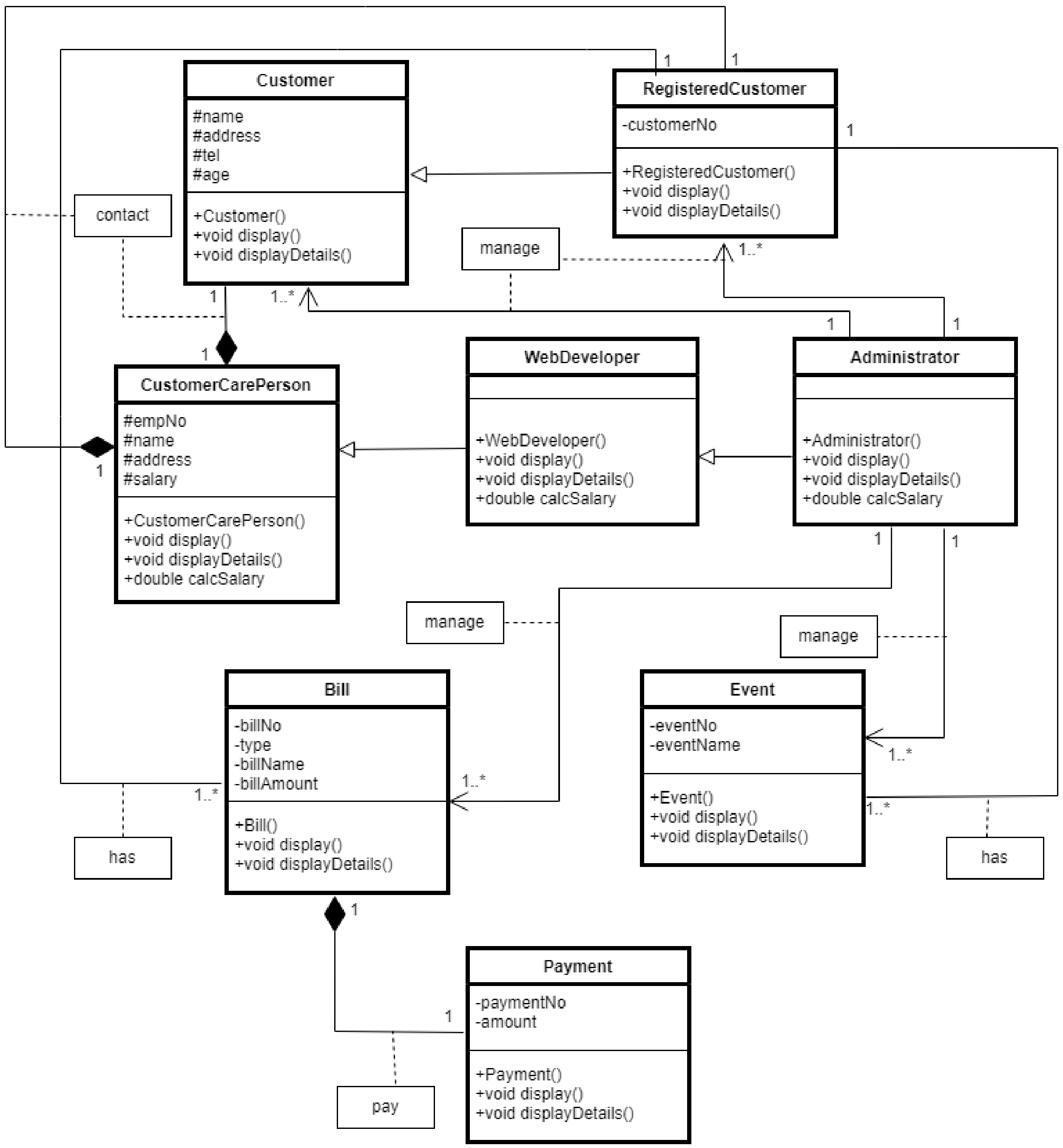
7.

<table>
<tr><th colspan="2">Event Class</th></tr>
<tr><td><b><u>Responsibilities</u></b>
• Details of events</td><td><b><u>Collaborations</u></b></td></tr>
</table>

8.

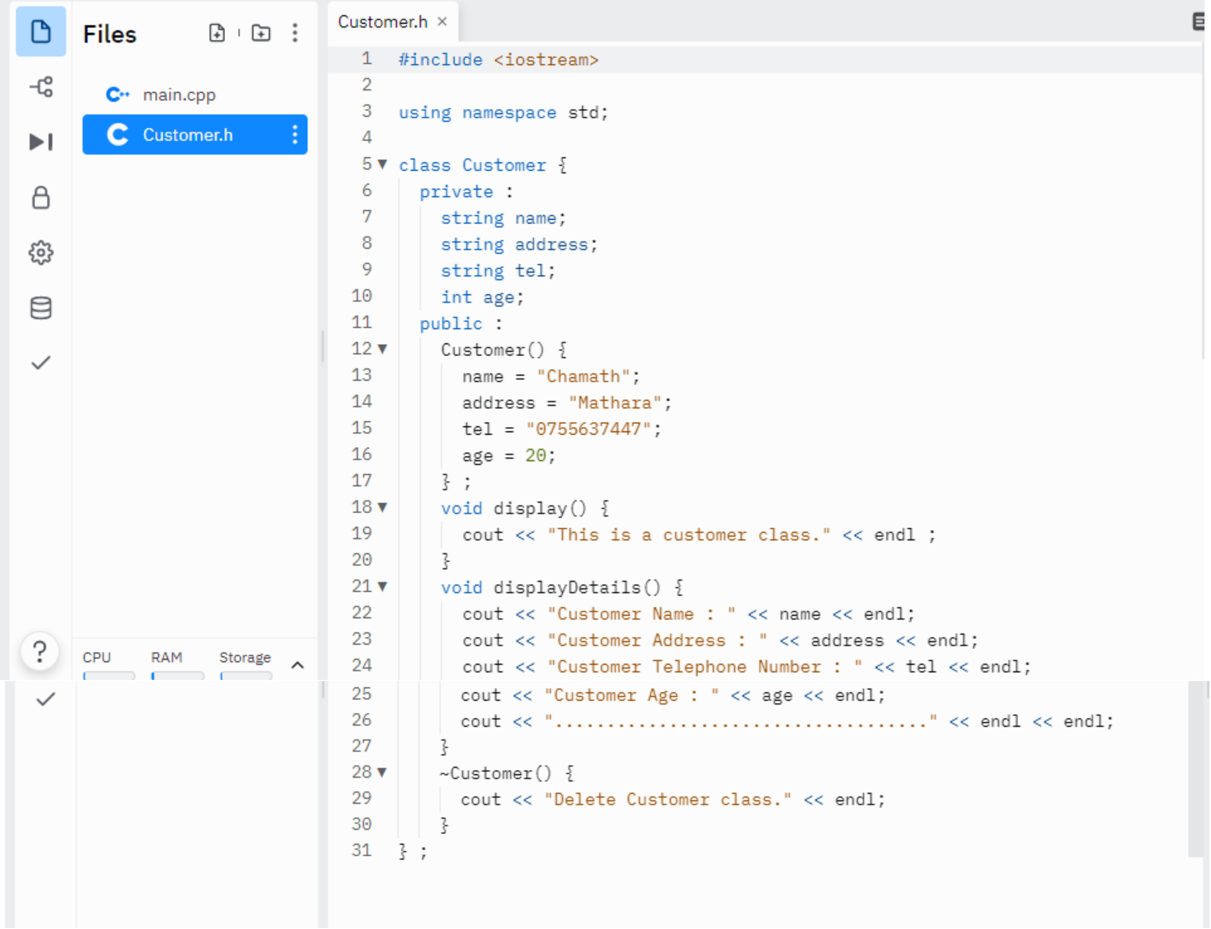
<table>
<tr><th colspan="2">Payment Class</th></tr>
<tr><td><b><u>Responsibilities</u></b>
• Details of payments
• Validate of payments</td><td><b><u>Collaborations</u></b></td></tr>
</table>

Exercise: 01


Customer
#name
#address
#tel
#age
+Customer()
+void display()
+void displayDetails()
RegisteredCustomer
-customerNo
+RegisteredCustomer()
+void display()
+void displayDetails()
contact
manage
CustomerCarePerson
#empNo
#name
#address
#salary
+CustomerCarePerson()
+void display()
+void displayDetails()
+double calcSalary
WebDeveloper
+WebDeveloper()
+void display()
+void displayDetails()
+double calcSalary
Administrator
+Administrator()
+void display()
+void displayDetails()
+double calcSalary
manage
manage
Bill
-billNo
-type
-billName
-billAmount
+Bill()
+void display()
+void displayDetails()
Event
-eventNo
-eventName
+Event()
+void display()
+void displayDetails()
has
has
Payment
-paymentNo
-amount
+Payment()
+void display()
+void displayDetails()
pay
1
1
1
1..*
1
1..*
1
1
1
1
1
1
1..*
1..*
1..*
1..*
1
1

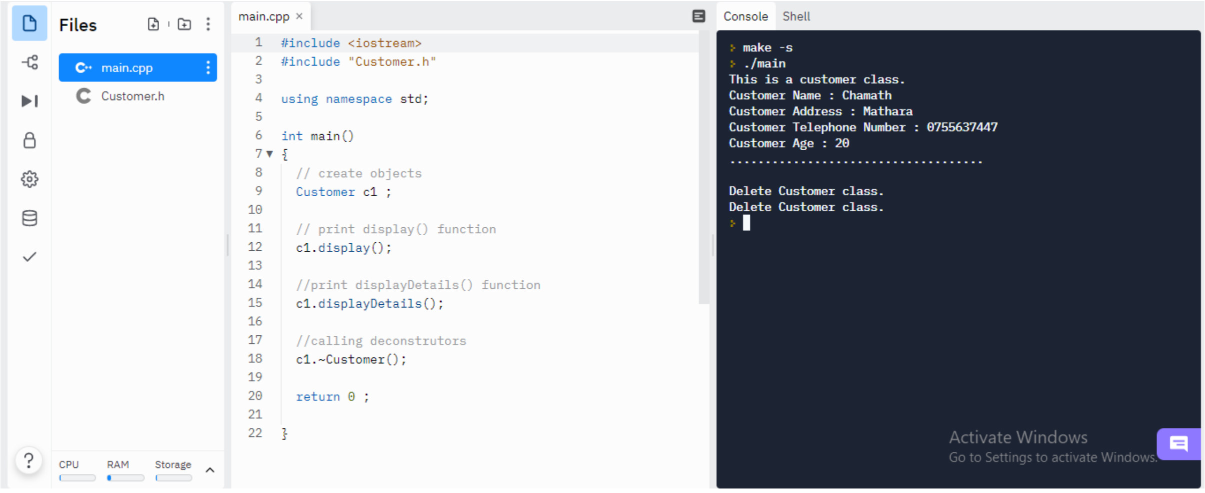
Exercise: 02

01. Customer.h file (created by Kariyapperuma K A D C A)



```cpp
#include <iostream>

using namespace std;

class Customer {
  private :
    string name;
    string address;
    string tel;
    int age;
  public :
    Customer() {
      name = "Chamath";
      address = "Mathara";
      tel = "0755637447";
      age = 20;
    } ;
    void display() {
      cout << "This is a customer class." << endl ;
    }
    void displayDetails() {
      cout << "Customer Name : " << name << endl;
      cout << "Customer Address : " << address << endl;
      cout << "Customer Telephone Number : " << tel << endl;
      cout << "Customer Age : " << age << endl;
      cout << "..................................." << endl << endl;
    }
    ~Customer() {
      cout << "Delete Customer class." << endl;
    }
} ;
```

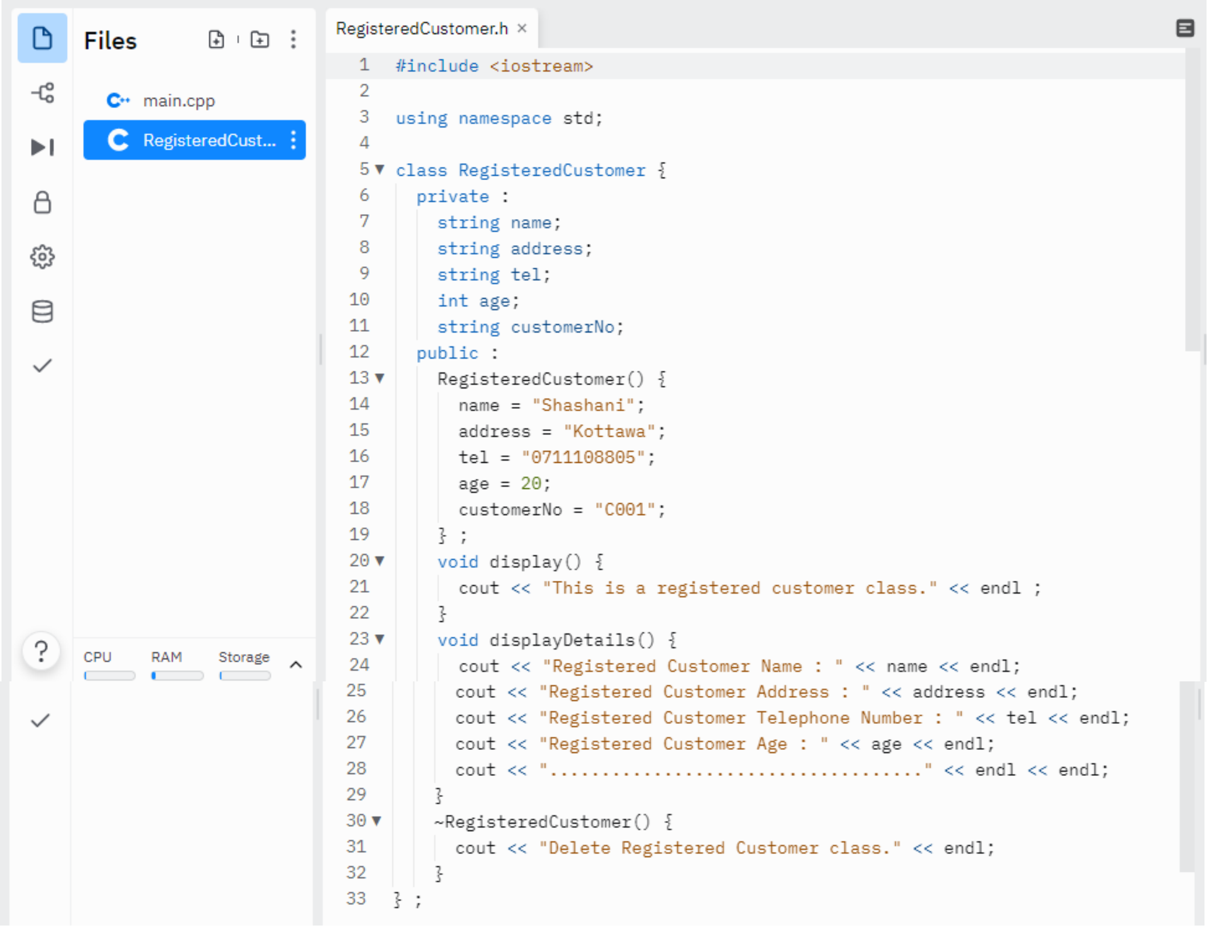
Customer.cpp file (created by Kariyapperuma K A D C A)



```cpp
#include <iostream>
#include "Customer.h"

using namespace std;

int main()
{
  // create objects
  Customer c1 ;

  // print display() function
  c1.display();

  //print displayDetails() function
  c1.displayDetails();

  //calling deconstrutors
  c1.~Customer();

  return 0 ;

}
```

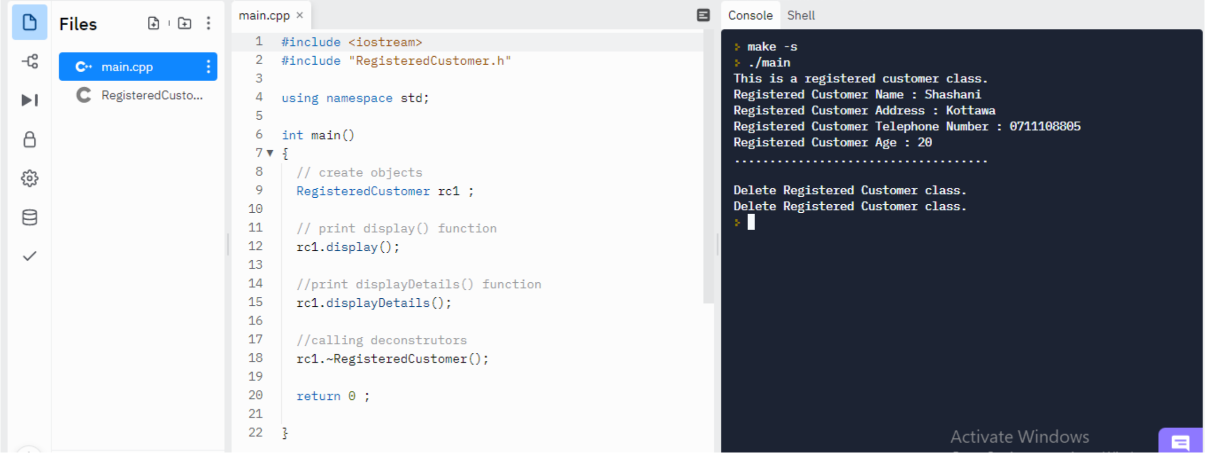
```
> make -s
> ./main
This is a customer class.
Customer Name : Chamath
Customer Address : Mathara
Customer Telephone Number : 0755637447
Customer Age : 20
...................................

Delete Customer class.
Delete Customer class.
> 
```

02. RegisteredCustomer.h file (created by Ruhunage S D P R)



```cpp
#include <iostream>

using namespace std;

class RegisteredCustomer {
  private :
    string name;
    string address;
    string tel;
    int age;
    string customerNo;
  public :
    RegisteredCustomer() {
      name = "Shashani";
      address = "Kottawa";
      tel = "0711108805";
      age = 20;
      customerNo = "C001";
    } ;
    void display() {
      cout << "This is a registered customer class." << endl ;
    }
    void displayDetails() {
      cout << "Registered Customer Name : " << name << endl;
      cout << "Registered Customer Address : " << address << endl;
      cout << "Registered Customer Telephone Number : " << tel << endl;
      cout << "Registered Customer Age : " << age << endl;
      cout << "...................................." << endl << endl;
    }
    ~RegisteredCustomer() {
      cout << "Delete Registered Customer class." << endl;
    }
} ;
```

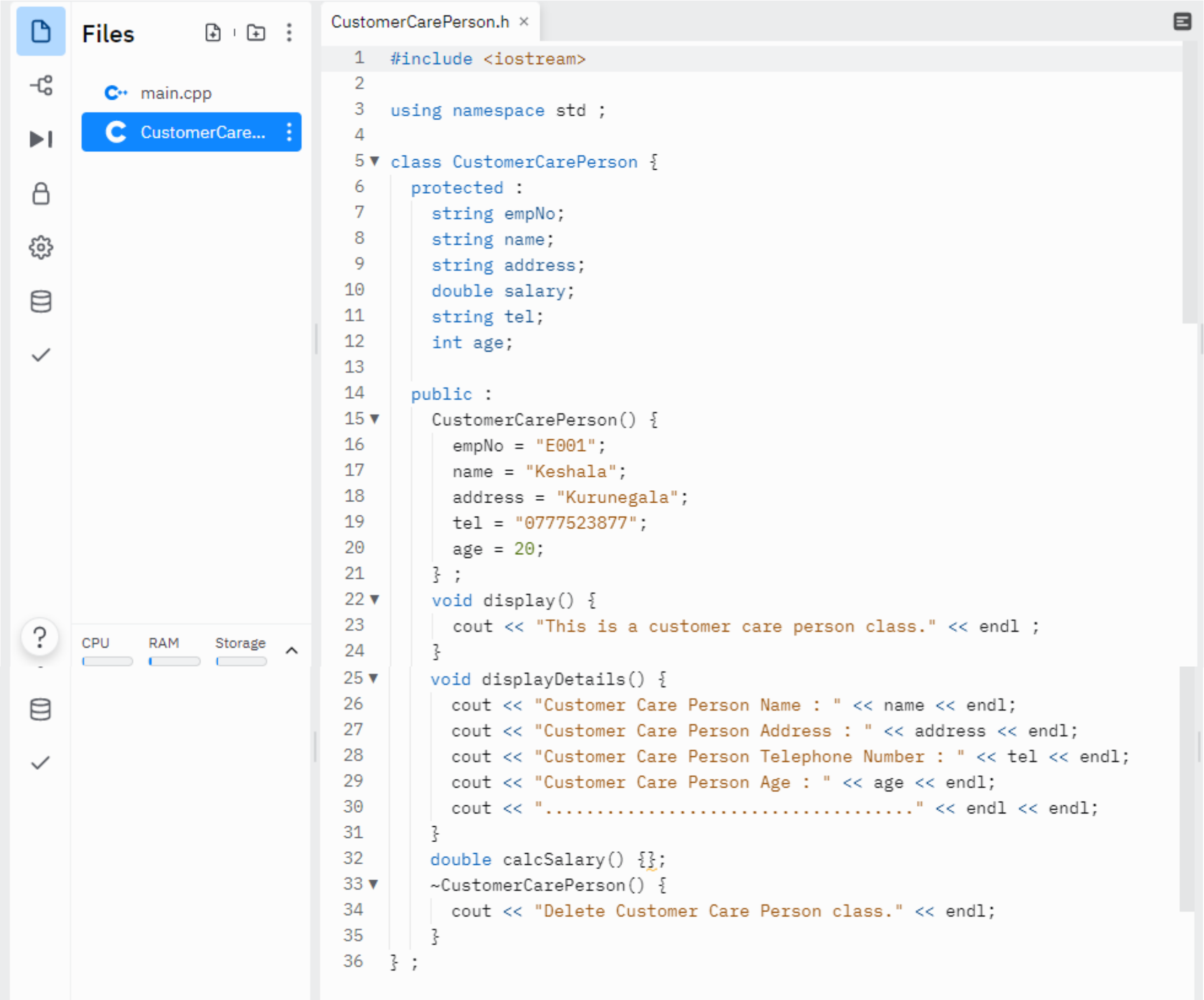
RegisteredCustomer.cpp file (created by Ruhunage S D P R)



```cpp
#include <iostream>
#include "RegisteredCustomer.h"

using namespace std;

int main()
{
  // create objects
  RegisteredCustomer rc1 ;

  // print display() function
  rc1.display();

  //print displayDetails() function
  rc1.displayDetails();

  //calling deconstrutors
  rc1.~RegisteredCustomer();

  return 0 ;

}
```

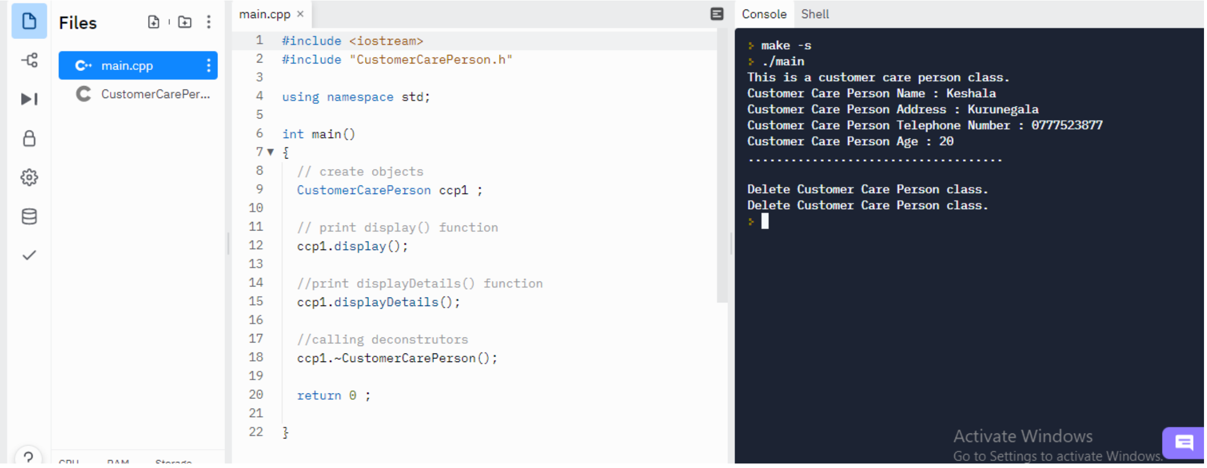
```
› make -s
› ./main
This is a registered customer class.
Registered Customer Name : Shashani
Registered Customer Address : Kottawa
Registered Customer Telephone Number : 0711108805
Registered Customer Age : 20
....................................

Delete Registered Customer class.
Delete Registered Customer class.
›
```

03. CustomerCarePerson.h file (created by Thathsarani H A N N)



```
#include <iostream>

using namespace std ;

class CustomerCarePerson {
  protected :
    string empNo;
    string name;
    string address;
    double salary;
    string tel;
    int age;

  public :
    CustomerCarePerson() {
      empNo = "E001";
      name = "Keshala";
      address = "Kurunegala";
      tel = "0777523877";
      age = 20;
    } ;
    void display() {
      cout << "This is a customer care person class." << endl ;
    }
    void displayDetails() {
      cout << "Customer Care Person Name : " << name << endl;
      cout << "Customer Care Person Address : " << address << endl;
      cout << "Customer Care Person Telephone Number : " << tel << endl;
      cout << "Customer Care Person Age : " << age << endl;
      cout << "....................................." << endl << endl;
    }
    double calcSalary() {};
    ~CustomerCarePerson() {
      cout << "Delete Customer Care Person class." << endl;
    }
} ;
```

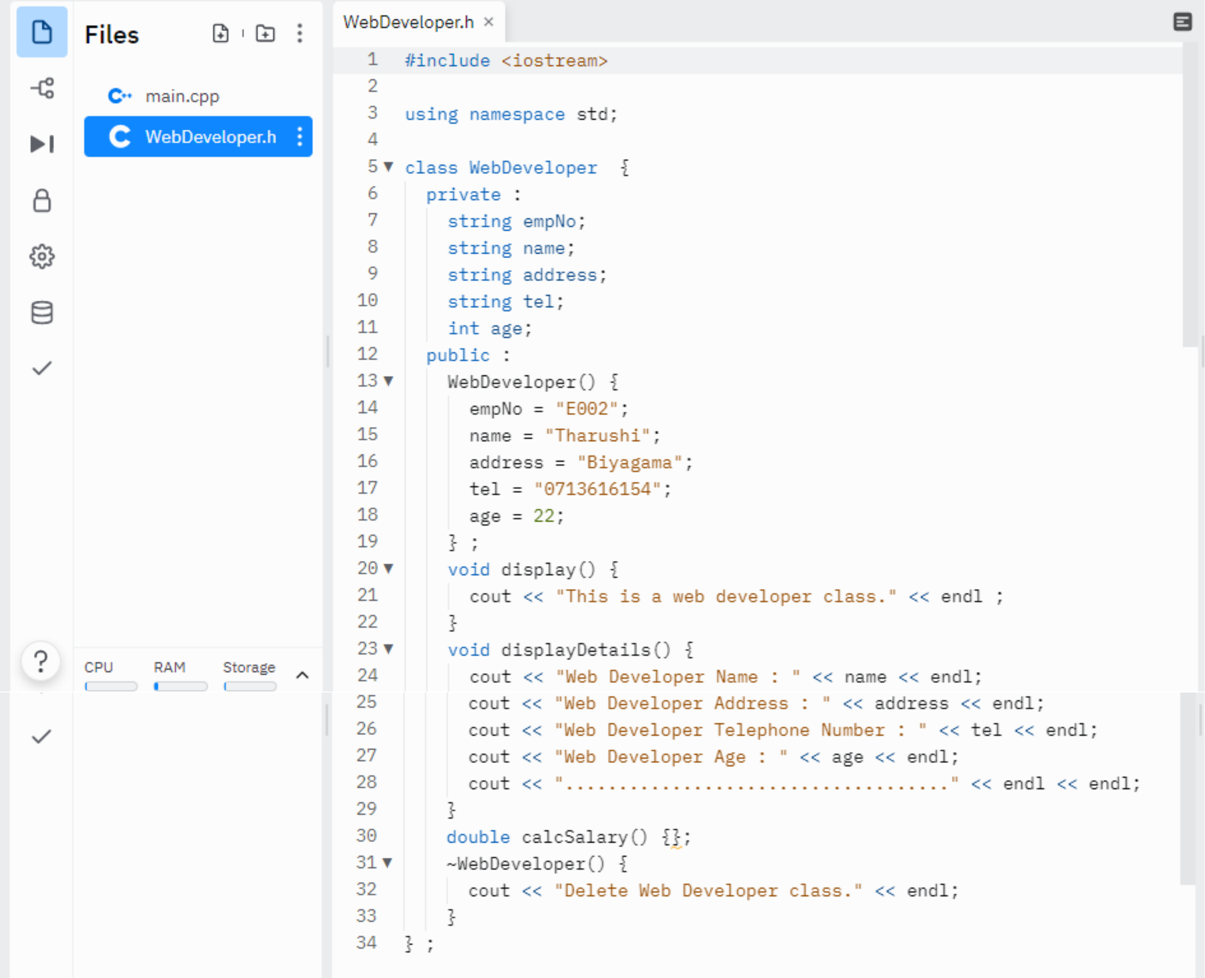
CustomerCarePerson.cpp file (created by Thathsarani H A N N)



```
#include <iostream>
#include "CustomerCarePerson.h"

using namespace std;

int main()
{
  // create objects
  CustomerCarePerson ccp1 ;

  // print display() function
  ccp1.display();

  //print displayDetails() function
  ccp1.displayDetails();

  //calling deconstrutors
  ccp1.~CustomerCarePerson();

  return 0 ;

}
```

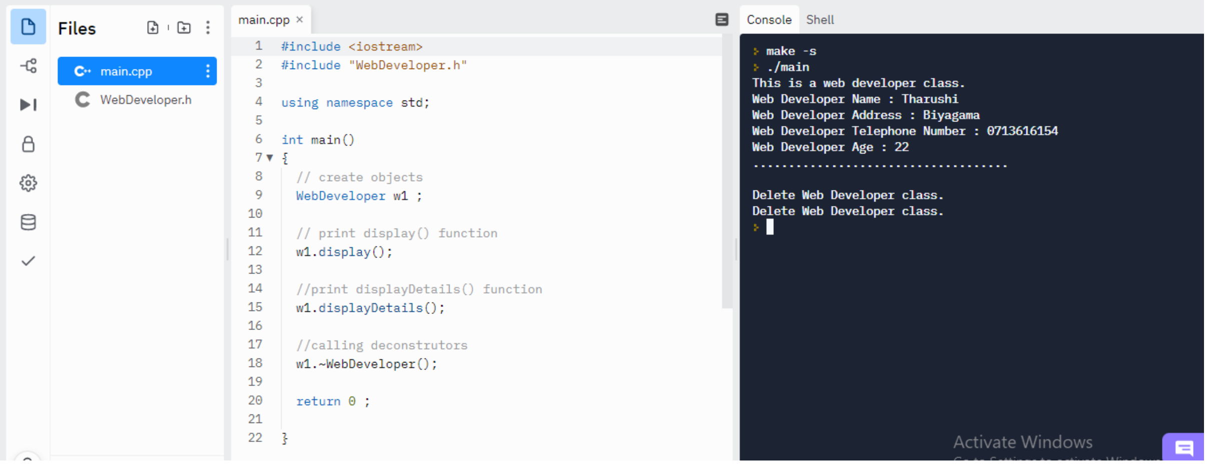
```
> make -s
> ./main
This is a customer care person class.
Customer Care Person Name : Keshala
Customer Care Person Address : Kurunegala
Customer Care Person Telephone Number : 0777523877
Customer Care Person Age : 20
....................................

Delete Customer Care Person class.
Delete Customer Care Person class.
>
```

04. WebDeveloper.h file (created by Dilrukshi A G T)



```cpp
#include <iostream>

using namespace std;

class WebDeveloper  {
  private :
    string empNo;
    string name;
    string address;
    string tel;
    int age;
  public :
    WebDeveloper() {
      empNo = "E002";
      name = "Tharushi";
      address = "Biyagama";
      tel = "0713616154";
      age = 22;
    } ;
    void display() {
      cout << "This is a web developer class." << endl ;
    }
    void displayDetails() {
      cout << "Web Developer Name : " << name << endl;
      cout << "Web Developer Address : " << address << endl;
      cout << "Web Developer Telephone Number : " << tel << endl;
      cout << "Web Developer Age : " << age << endl;
      cout << "...................................." << endl << endl;
    }
    double calcSalary() {};
    ~WebDeveloper() {
      cout << "Delete Web Developer class." << endl;
    }
} ;
```

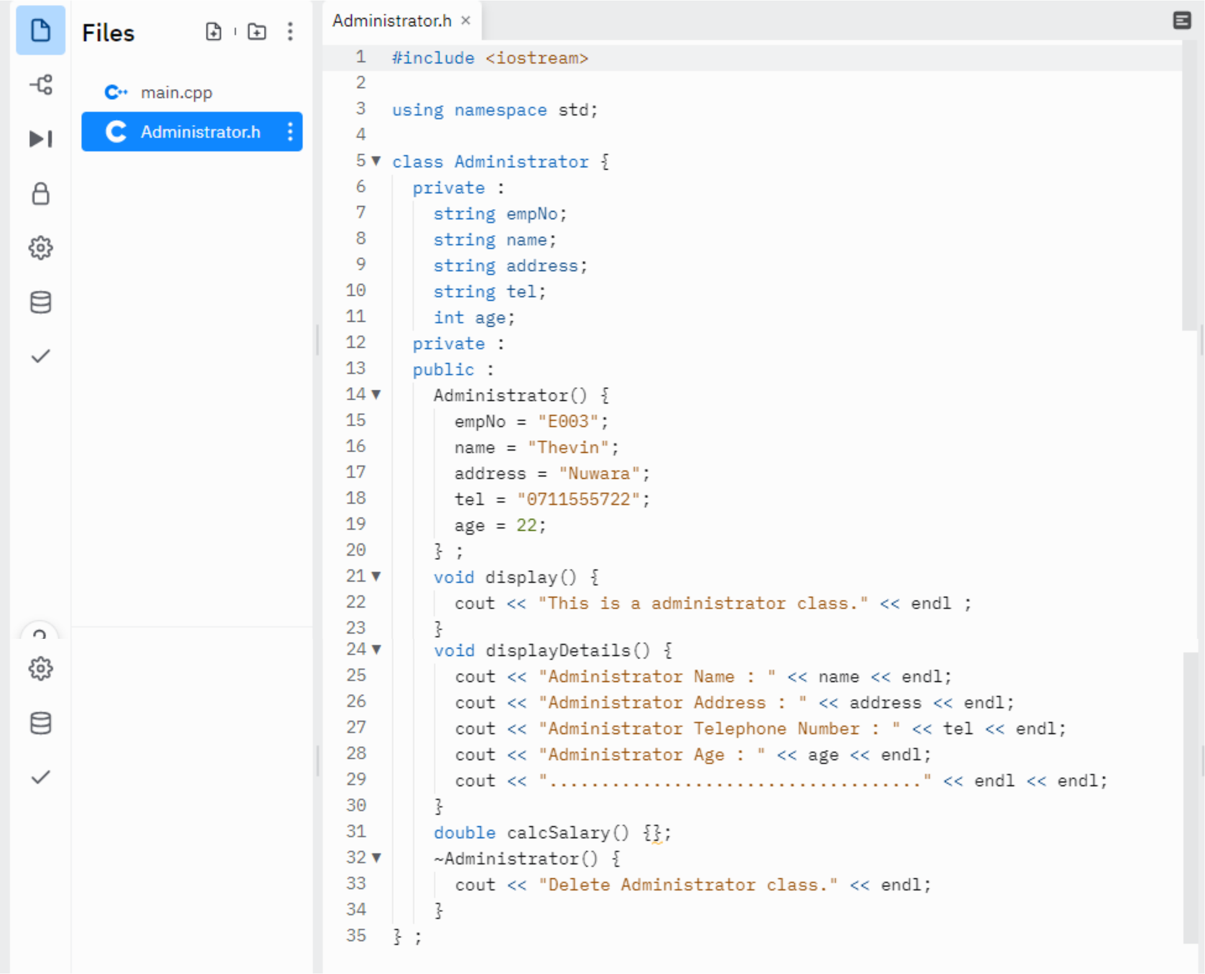
WebDeveloper.cpp file (created by Dilrukshi A G T)



```cpp
#include <iostream>
#include "WebDeveloper.h"

using namespace std;

int main()
{
  // create objects
  WebDeveloper w1 ;

  // print display() function
  w1.display();

  //print displayDetails() function
  w1.displayDetails();

  //calling deconstrutors
  w1.~WebDeveloper();

  return 0 ;

}
```

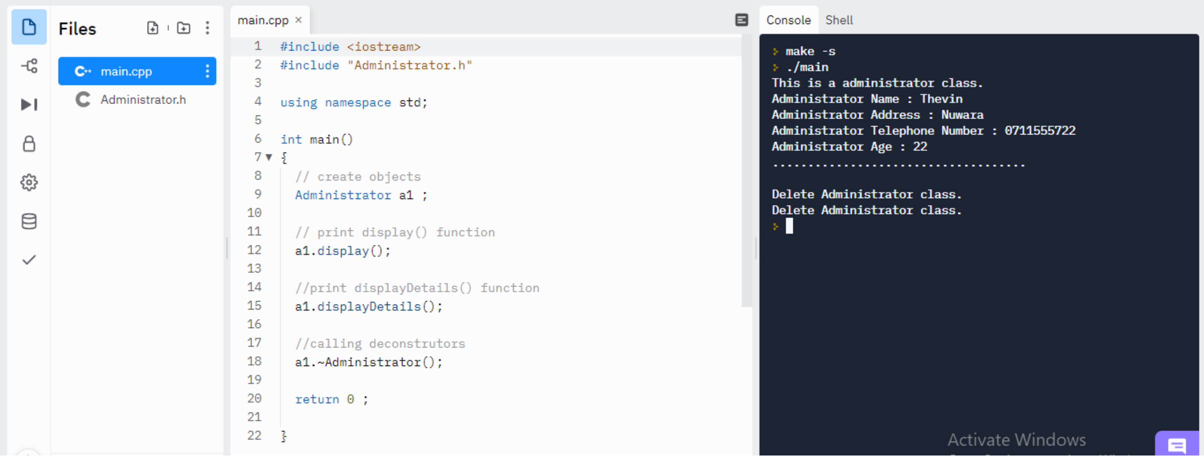
```
> make -s
> ./main
This is a web developer class.
Web Developer Name : Tharushi
Web Developer Address : Biyagama
Web Developer Telephone Number : 0713616154
Web Developer Age : 22
....................................

Delete Web Developer class.
Delete Web Developer class.
> 
```

05. Administrator.h file (created by Abeykoon M W T H B)



```cpp
#include <iostream>

using namespace std;

class Administrator {
  private :
    string empNo;
    string name;
    string address;
    string tel;
    int age;
  private :
  public :
    Administrator() {
      empNo = "E003";
      name = "Thevin";
      address = "Nuwara";
      tel = "0711555722";
      age = 22;
    } ;
    void display() {
      cout << "This is a administrator class." << endl ;
    }
    void displayDetails() {
      cout << "Administrator Name : " << name << endl;
      cout << "Administrator Address : " << address << endl;
      cout << "Administrator Telephone Number : " << tel << endl;
      cout << "Administrator Age : " << age << endl;
      cout << "..................................." << endl << endl;
    }
    double calcSalary() {};
    ~Administrator() {
      cout << "Delete Administrator class." << endl;
    }
} ;
```

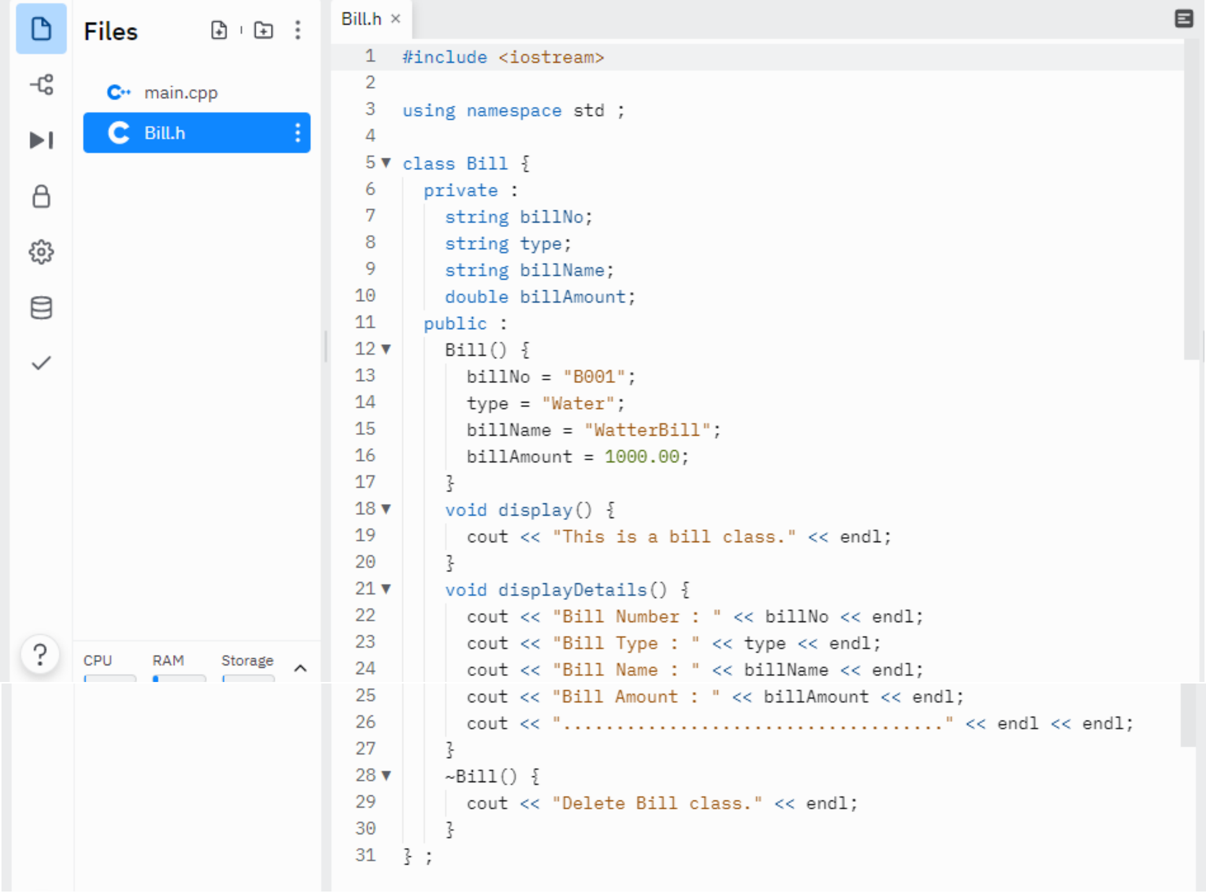
Administrator.cpp file (created by Abeykoon M W T H B)



```cpp
#include <iostream>
#include "Administrator.h"

using namespace std;

int main()
{
  // create objects
  Administrator a1 ;

  // print display() function
  a1.display();

  //print displayDetails() function
  a1.displayDetails();

  //calling deconstrutors
  a1.~Administrator();

  return 0 ;

}
```

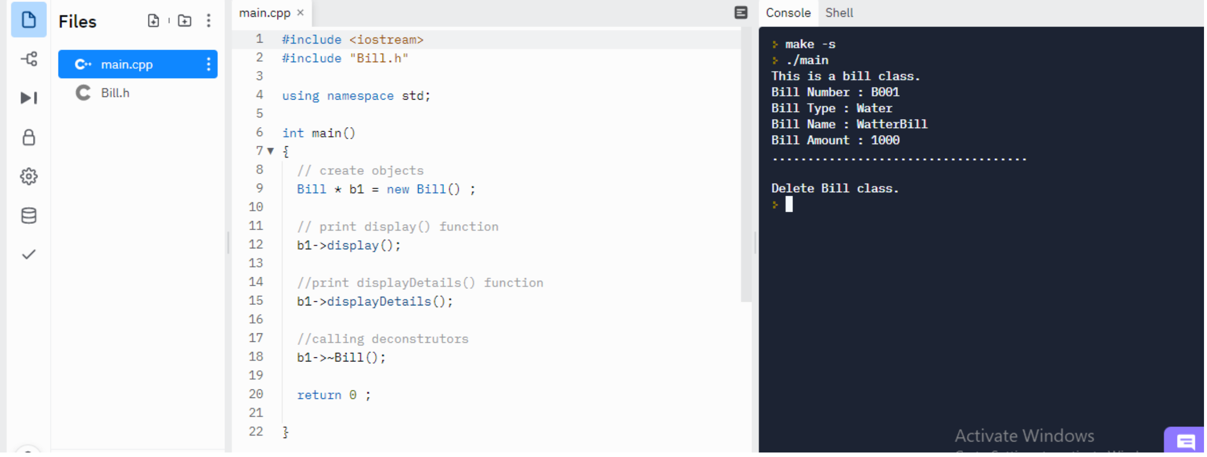
```
> make -s
> ./main
This is a administrator class.
Administrator Name : Thevin
Administrator Address : Nuwara
Administrator Telephone Number : 0711555722
Administrator Age : 22
...................................

Delete Administrator class.
Delete Administrator class.
> 
```

06. Bill.h file (created by Ruhunage S D P R)



```cpp
#include <iostream>

using namespace std ;

class Bill {
  private :
    string billNo;
    string type;
    string billName;
    double billAmount;
  public :
    Bill() {
      billNo = "B001";
      type = "Water";
      billName = "WatterBill";
      billAmount = 1000.00;
    }
    void display() {
      cout << "This is a bill class." << endl;
    }
    void displayDetails() {
      cout << "Bill Number : " << billNo << endl;
      cout << "Bill Type : " << type << endl;
      cout << "Bill Name : " << billName << endl;
      cout << "Bill Amount : " << billAmount << endl;
      cout << "....................................." << endl << endl;
    }
    ~Bill() {
      cout << "Delete Bill class." << endl;
    }
} ;
```

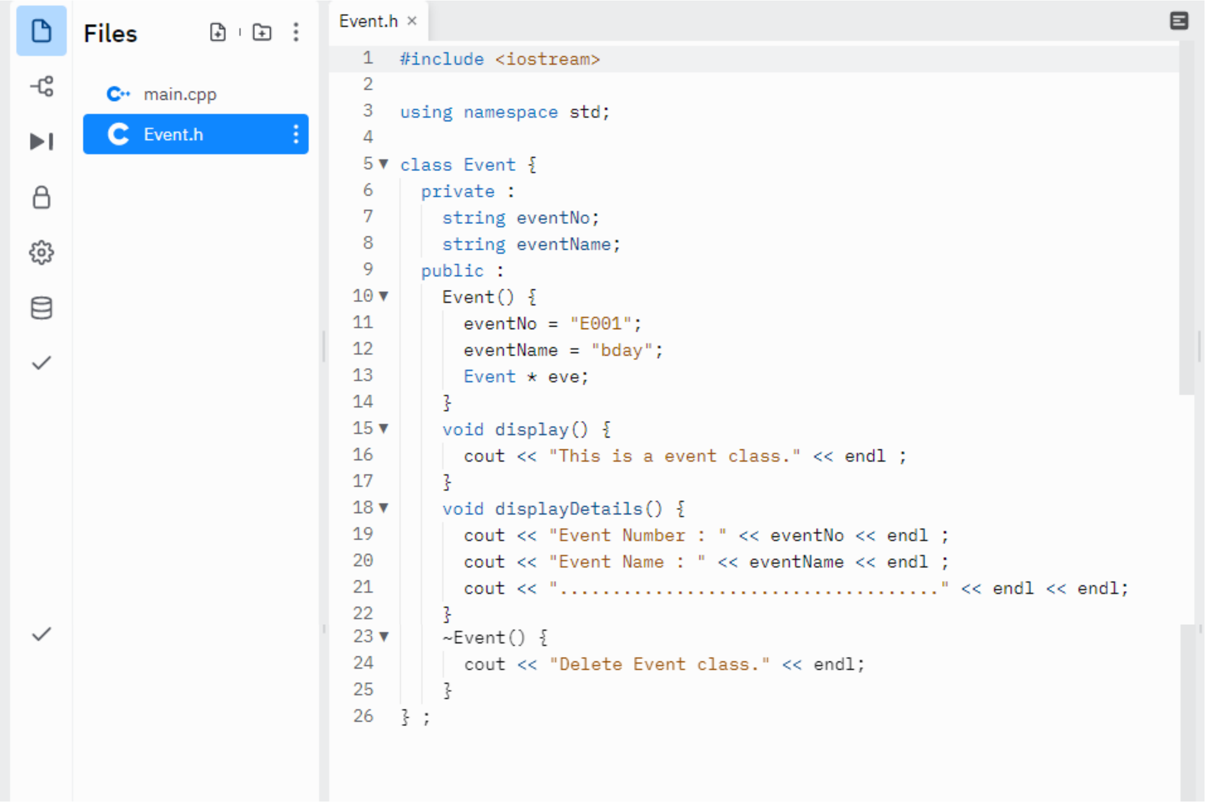
Bill.cpp file (created by Ruhunage S D P R)



```cpp
#include <iostream>
#include "Bill.h"

using namespace std;

int main()
{
  // create objects
  Bill * b1 = new Bill() ;

  // print display() function
  b1->display();

  //print displayDetails() function
  b1->displayDetails();

  //calling deconstrutors
  b1->~Bill();

  return 0 ;

}
```

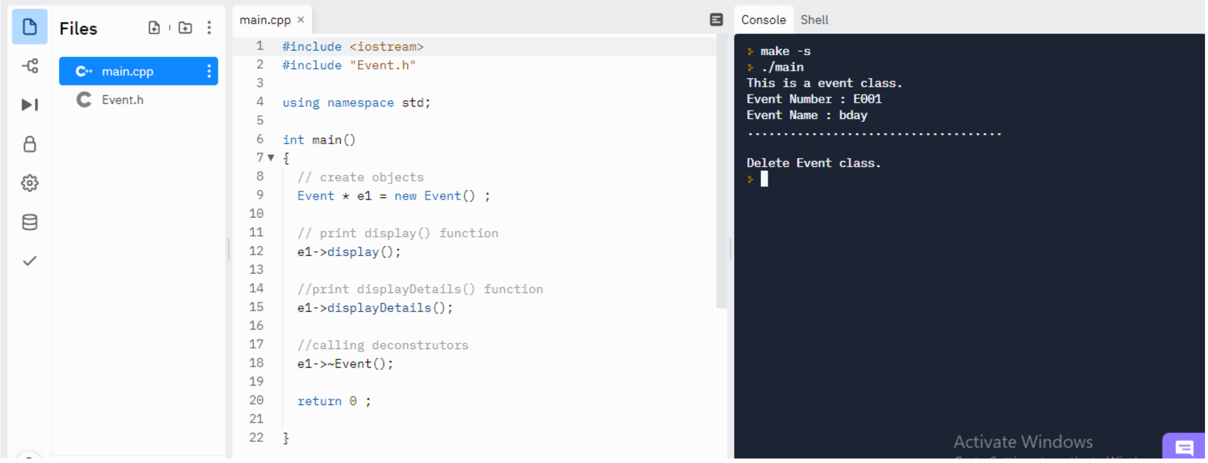
```
> make -s
> ./main
This is a bill class.
Bill Number : B001
Bill Type : Water
Bill Name : WatterBill
Bill Amount : 1000
.....................................

Delete Bill class.
> 
```

07. Event.h file (created by Dilrukshi A G T)



```cpp
#include <iostream>

using namespace std;

class Event {
  private :
    string eventNo;
    string eventName;
  public :
    Event() {
      eventNo = "E001";
      eventName = "bday";
      Event * eve;
    }
    void display() {
      cout << "This is a event class." << endl ;
    }
    void displayDetails() {
      cout << "Event Number : " << eventNo << endl ;
      cout << "Event Name : " << eventName << endl ;
      cout << "....................................." << endl << endl;
    }
    ~Event() {
      cout << "Delete Event class." << endl;
    }
} ;
```

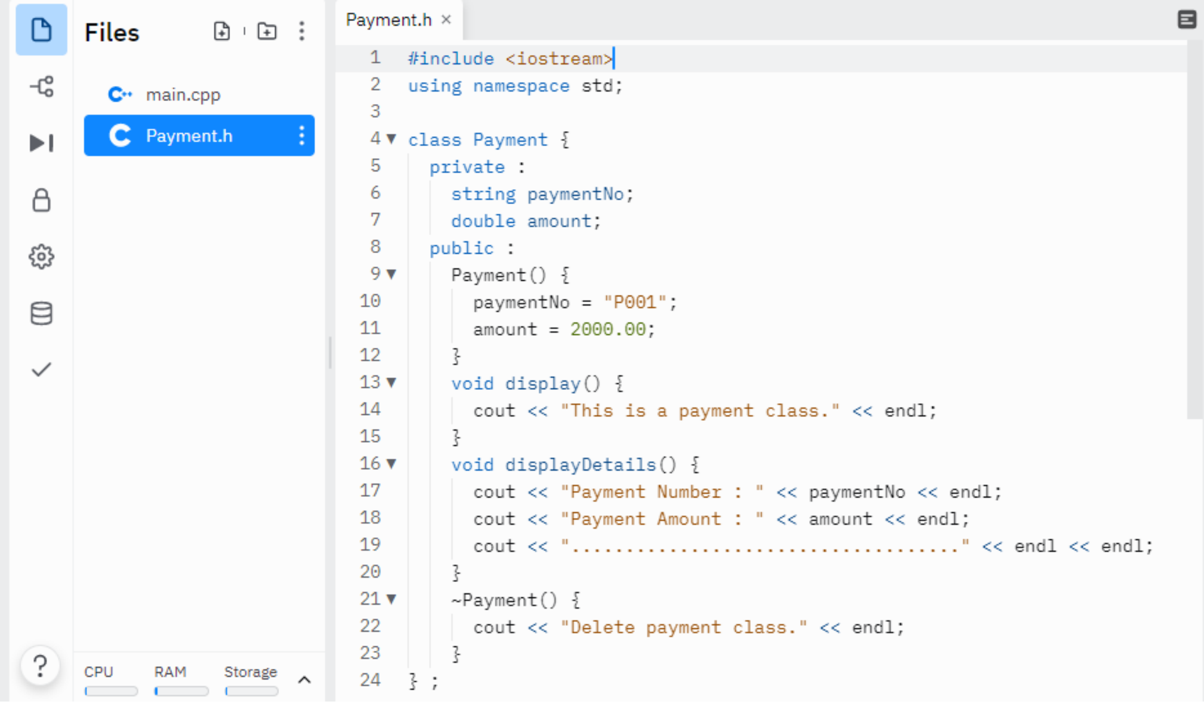
Event.cpp file (created by Dilrukshi A G T)



```cpp
#include <iostream>
#include "Event.h"

using namespace std;

int main()
{
  // create objects
  Event * e1 = new Event() ;

  // print display() function
  e1->display();

  //print displayDetails() function
  e1->displayDetails();

  //calling deconstrutors
  e1->~Event();

  return 0 ;
}
```

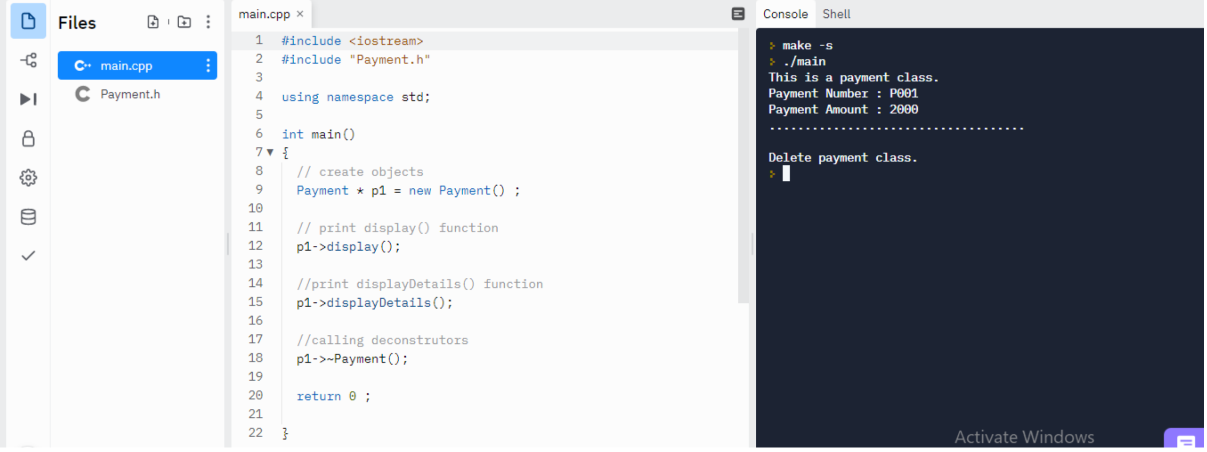
```
> make -s
> ./main
This is a event class.
Event Number : E001
Event Name : bday
...................................

Delete Event class.
> 
```

08. Payment.h file (created by Kariyapperuma K A D C A)



```cpp
#include <iostream>
using namespace std;

class Payment {
  private :
    string paymentNo;
    double amount;
  public :
    Payment() {
      paymentNo = "P001";
      amount = 2000.00;
    }
    void display() {
      cout << "This is a payment class." << endl;
    }
    void displayDetails() {
      cout << "Payment Number : " << paymentNo << endl;
      cout << "Payment Amount : " << amount << endl;
      cout << "..................................." << endl << endl;
    }
    ~Payment() {
      cout << "Delete payment class." << endl;
    }
} ;
```

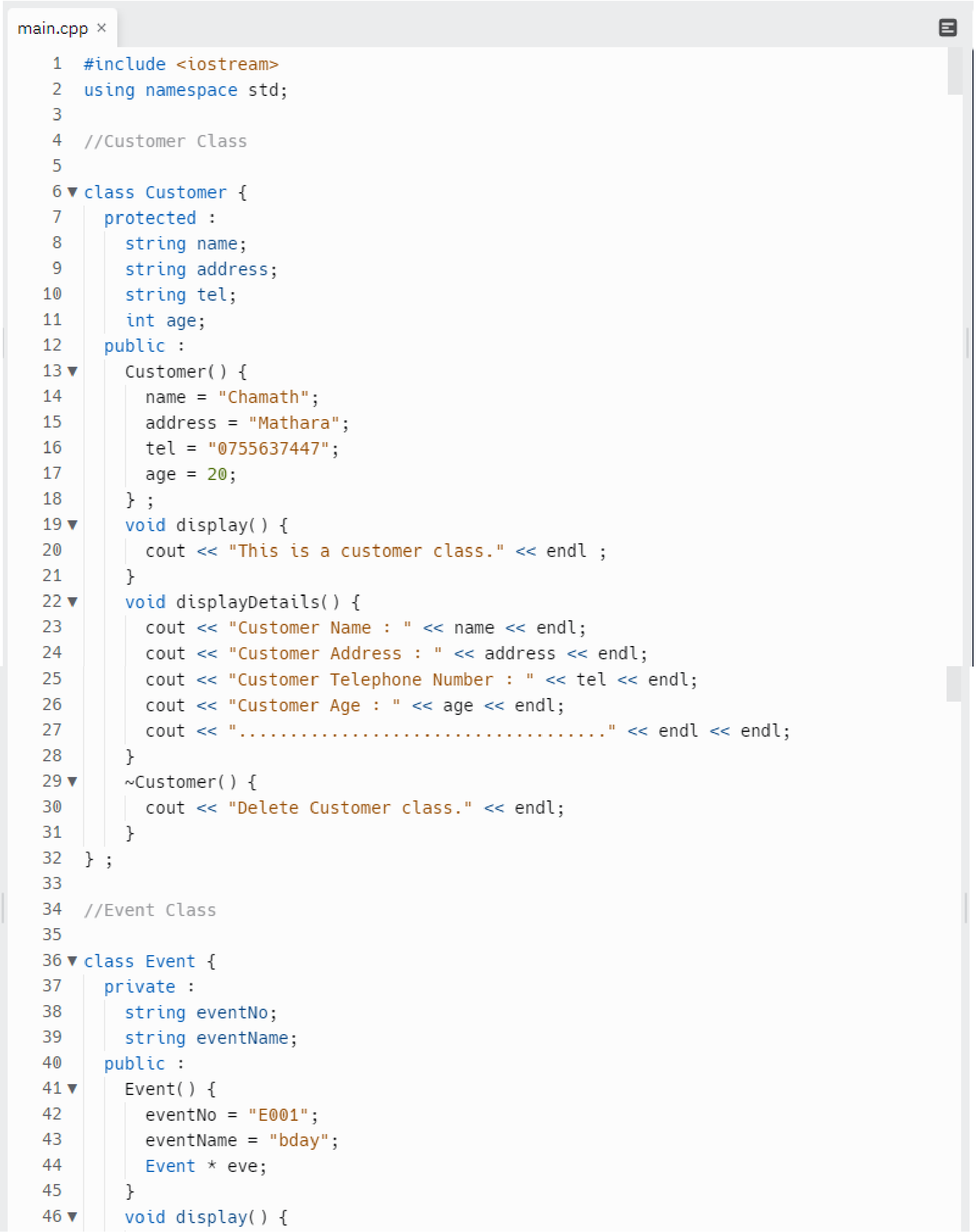
Payment.cpp file (created by Kariyapperuma K A D C A)



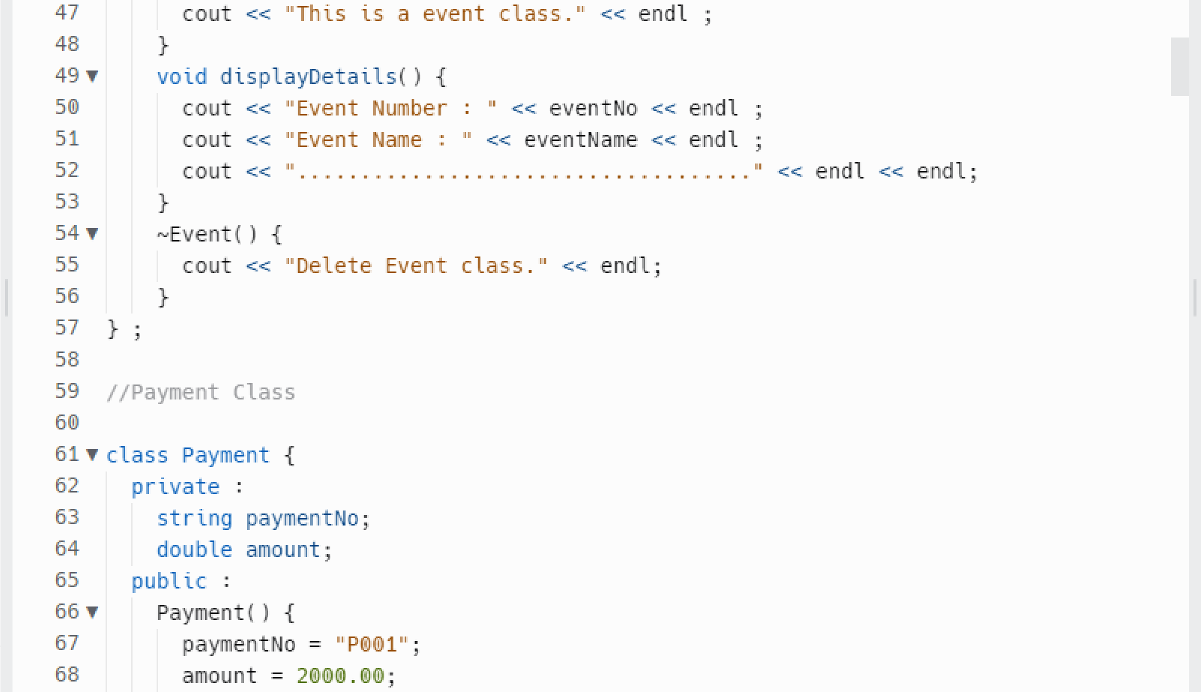
```cpp
#include <iostream>
#include "Payment.h"

using namespace std;

int main()
{
  // create objects
  Payment * p1 = new Payment() ;

  // print display() function
  p1->display();

  //print displayDetails() function
  p1->displayDetails();

  //calling deconstrutors
  p1->~Payment();

  return 0 ;

}
```

```
> make -s
> ./main
This is a payment class.
Payment Number : P001
Payment Amount : 2000
..................................

Delete payment class.
> 
```

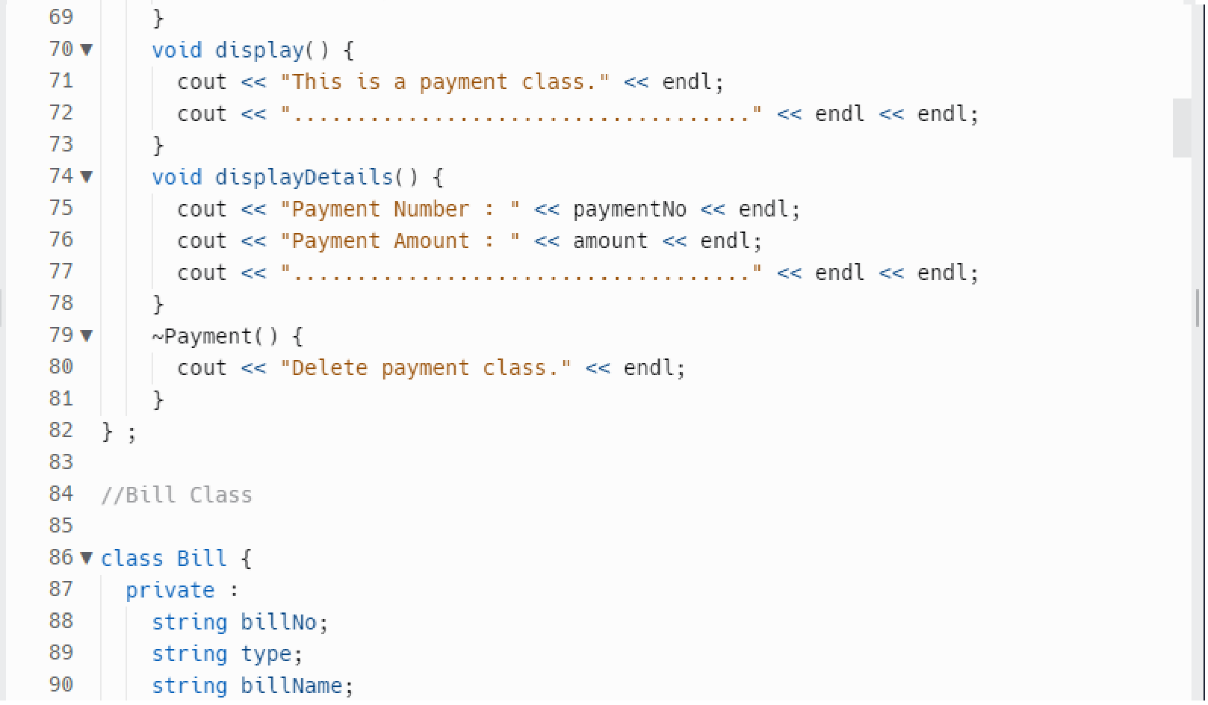
Whole Code of System



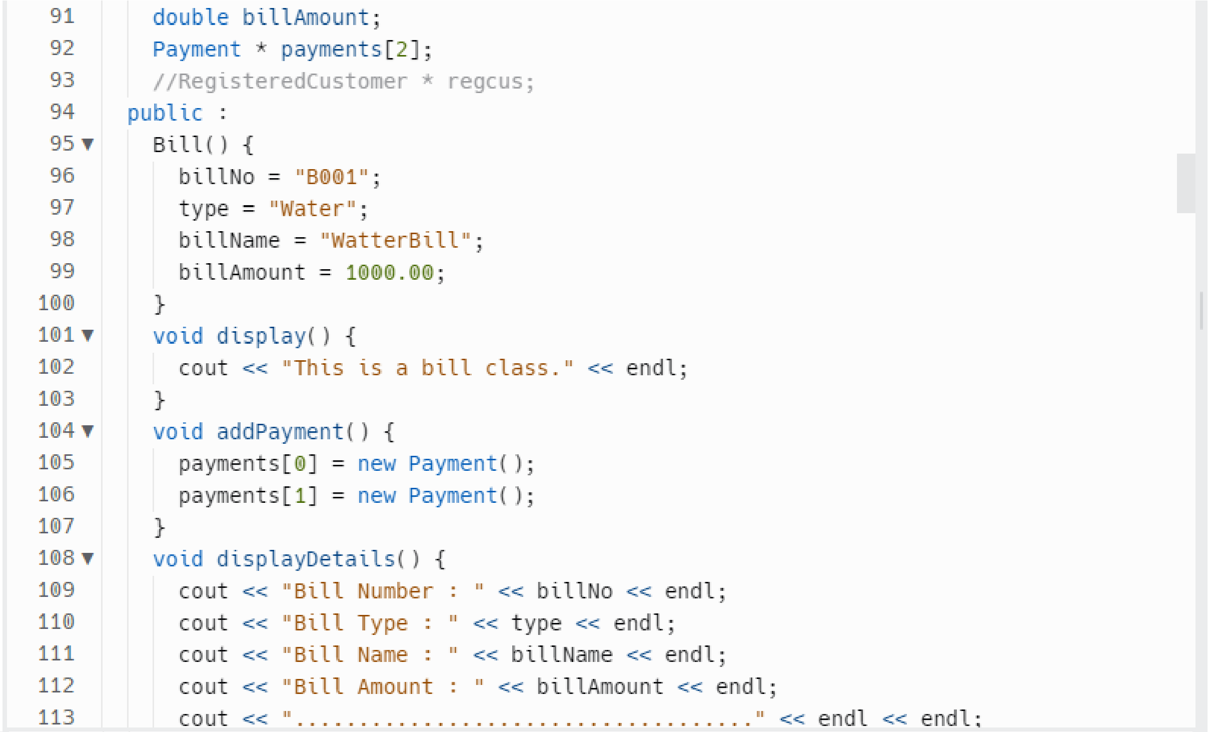
```cpp
#include <iostream>
using namespace std;

//Customer Class

class Customer {
  protected :
    string name;
    string address;
    string tel;
    int age;
  public :
    Customer( ) {
      name = "Chamath";
      address = "Mathara";
      tel = "0755637447";
      age = 20;
    } ;
    void display( ) {
      cout << "This is a customer class." << endl ;
    }
    void displayDetails( ) {
      cout << "Customer Name : " << name << endl;
      cout << "Customer Address : " << address << endl;
      cout << "Customer Telephone Number : " << tel << endl;
      cout << "Customer Age : " << age << endl;
      cout << "...................................." << endl << endl;
    }
    ~Customer( ) {
      cout << "Delete Customer class." << endl;
    }
} ;

//Event Class

class Event {
  private :
    string eventNo;
    string eventName;
  public :
    Event( ) {
      eventNo = "E001";
      eventName = "bday";
      Event * eve;
    }
    void display( ) {
```



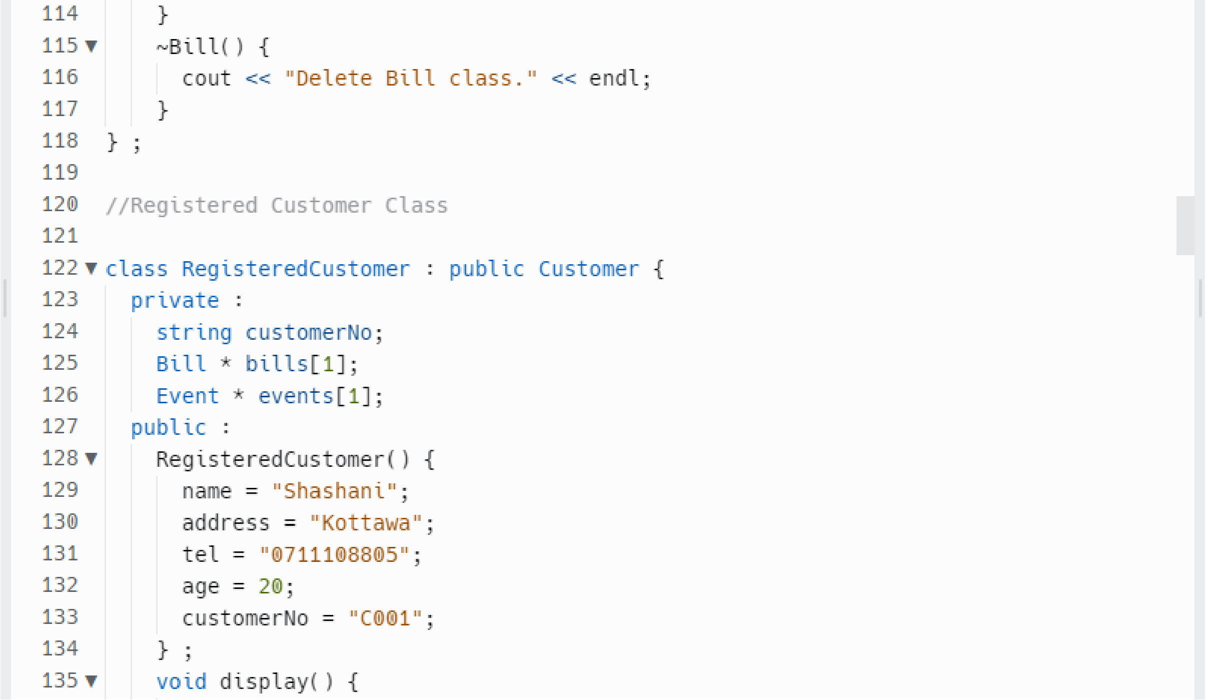
```cpp
      cout << "This is a event class." << endl ;
    }
    void displayDetails() {
      cout << "Event Number : " << eventNo << endl ;
      cout << "Event Name : " << eventName << endl ;
      cout << "...................................." << endl << endl;
    }
    ~Event() {
      cout << "Delete Event class." << endl;
    }
} ;

//Payment Class

class Payment {
  private :
    string paymentNo;
    double amount;
  public :
    Payment() {
      paymentNo = "P001";
      amount = 2000.00;
```



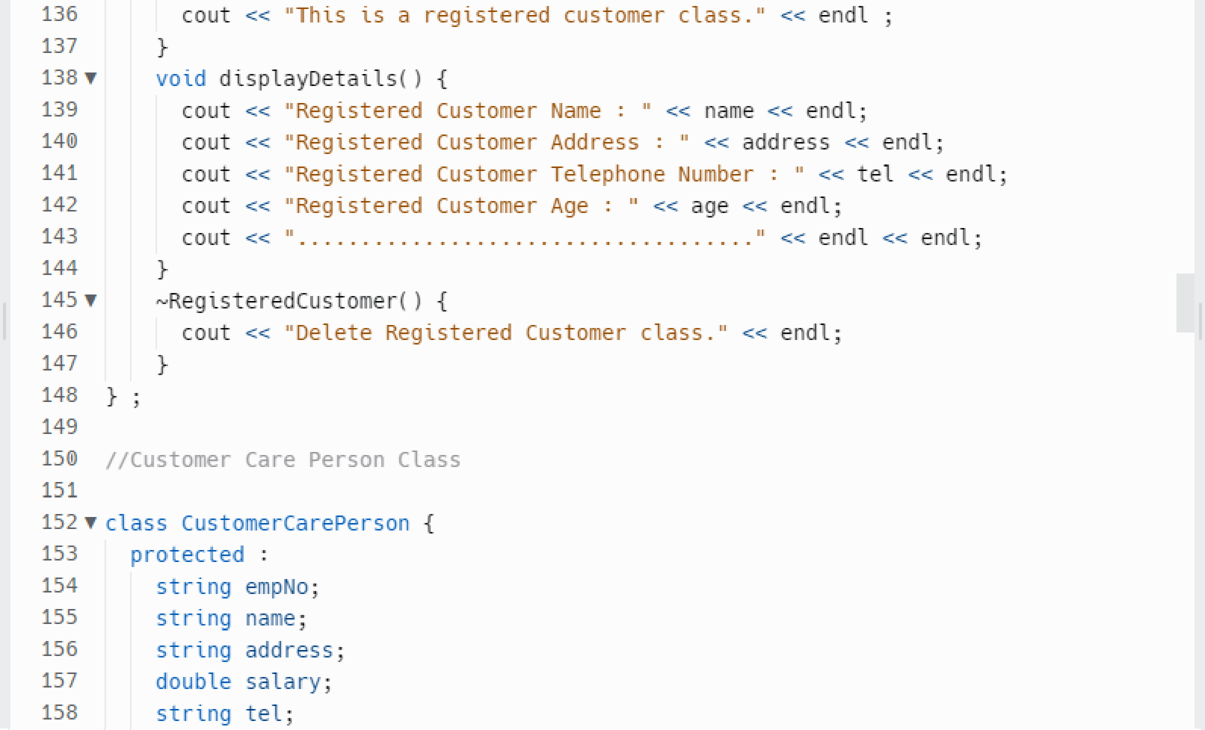
```cpp
    }
    void display() {
      cout << "This is a payment class." << endl;
      cout << "...................................." << endl << endl;
    }
    void displayDetails() {
      cout << "Payment Number : " << paymentNo << endl;
      cout << "Payment Amount : " << amount << endl;
      cout << "...................................." << endl << endl;
    }
    ~Payment() {
      cout << "Delete payment class." << endl;
    }
} ;

//Bill Class

class Bill {
  private :
    string billNo;
    string type;
    string billName;
```



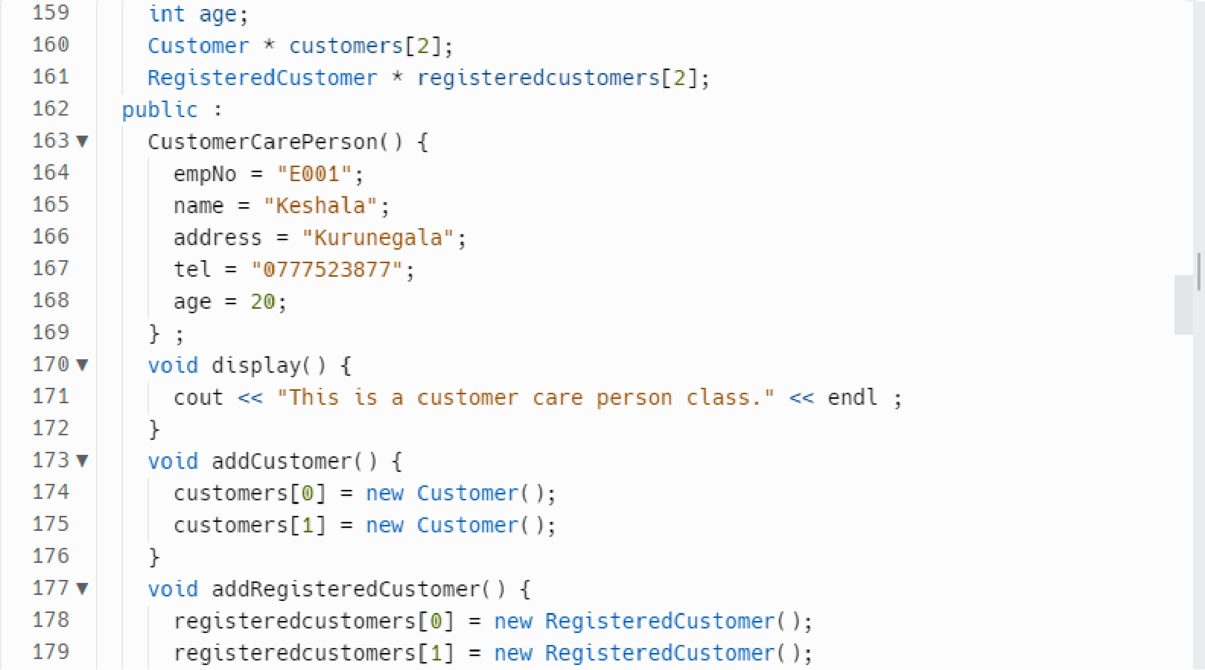
```
    double billAmount;
    Payment * payments[2];
    //RegisteredCustomer * regcus;
  public :
    Bill() {
      billNo = "B001";
      type = "Water";
      billName = "WatterBill";
      billAmount = 1000.00;
    }
    void display() {
      cout << "This is a bill class." << endl;
    }
    void addPayment() {
      payments[0] = new Payment();
      payments[1] = new Payment();
    }
    void displayDetails() {
      cout << "Bill Number : " << billNo << endl;
      cout << "Bill Type : " << type << endl;
      cout << "Bill Name : " << billName << endl;
      cout << "Bill Amount : " << billAmount << endl;
      cout << "...................................." << endl << endl;
```



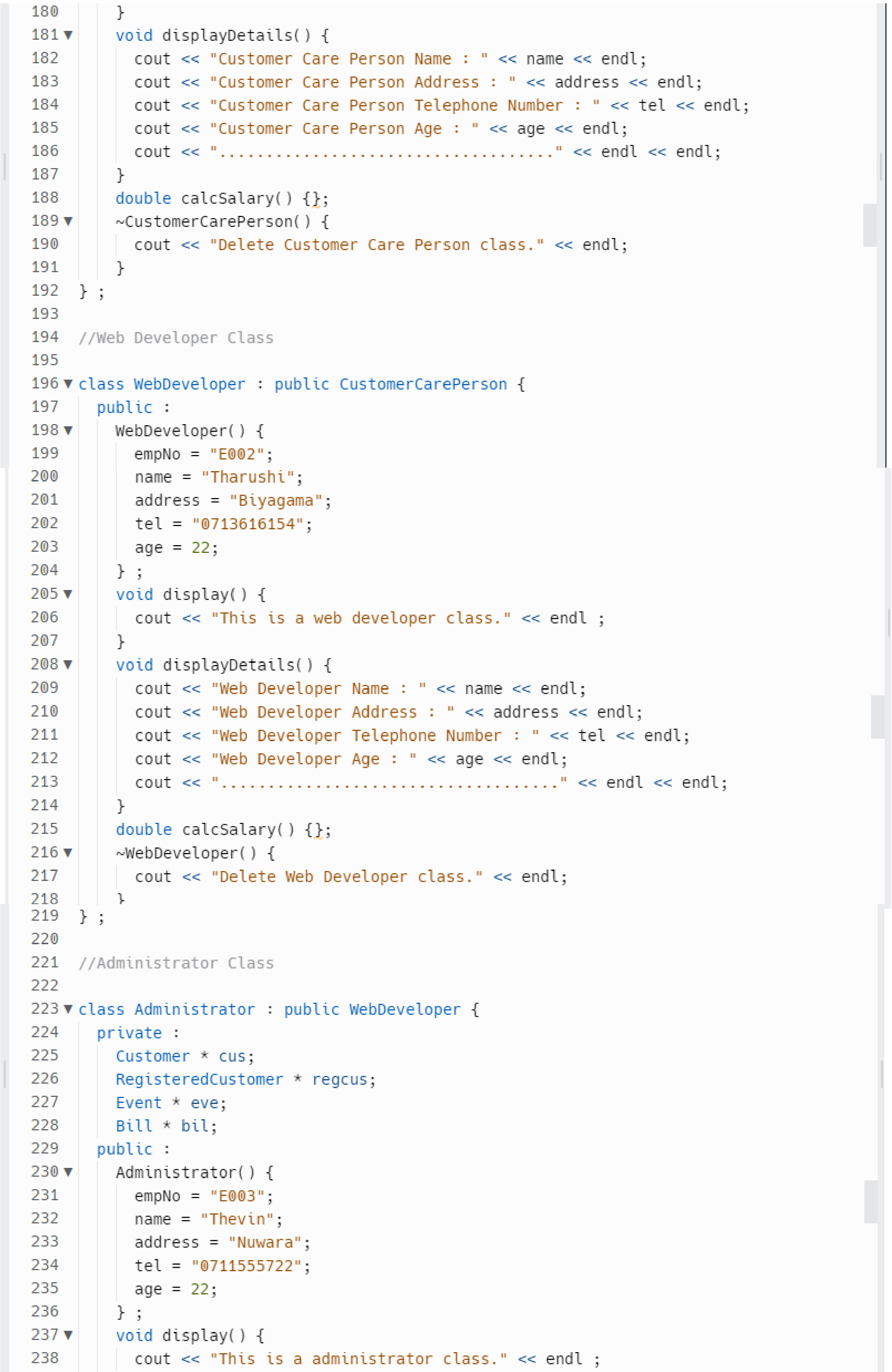
```
    }
    ~Bill() {
      cout << "Delete Bill class." << endl;
    }
} ;

//Registered Customer Class

class RegisteredCustomer : public Customer {
  private :
    string customerNo;
    Bill * bills[1];
    Event * events[1];
  public :
    RegisteredCustomer() {
      name = "Shashani";
      address = "Kottawa";
      tel = "0711108805";
      age = 20;
      customerNo = "C001";
    } ;
    void display() {
```



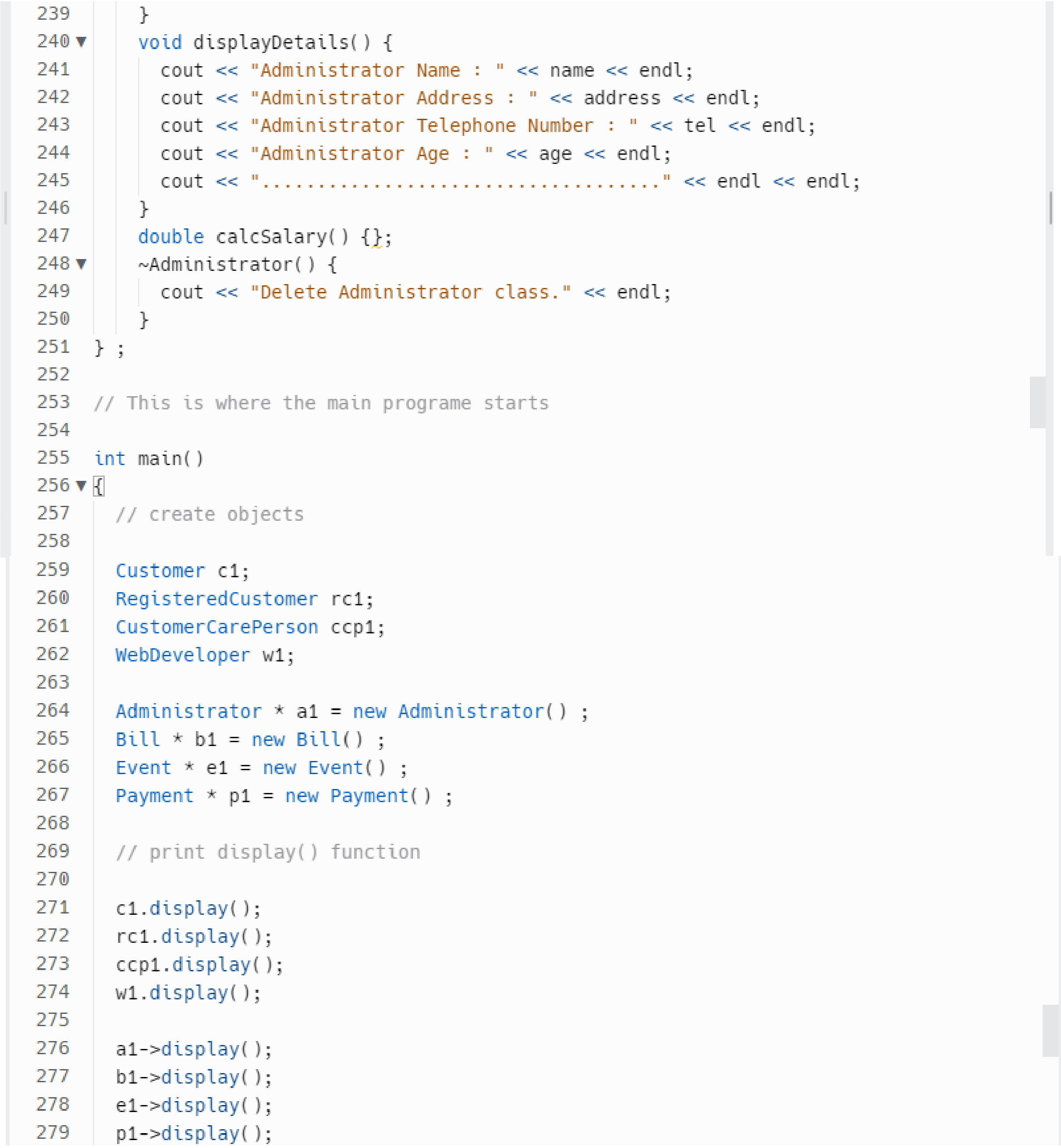
```
      cout << "This is a registered customer class." << endl ;
    }
    void displayDetails() {
      cout << "Registered Customer Name : " << name << endl;
      cout << "Registered Customer Address : " << address << endl;
      cout << "Registered Customer Telephone Number : " << tel << endl;
      cout << "Registered Customer Age : " << age << endl;
      cout << "...................................." << endl << endl;
    }
    ~RegisteredCustomer() {
      cout << "Delete Registered Customer class." << endl;
    }
} ;

//Customer Care Person Class

class CustomerCarePerson {
  protected :
    string empNo;
    string name;
    string address;
    double salary;
    string tel;
```



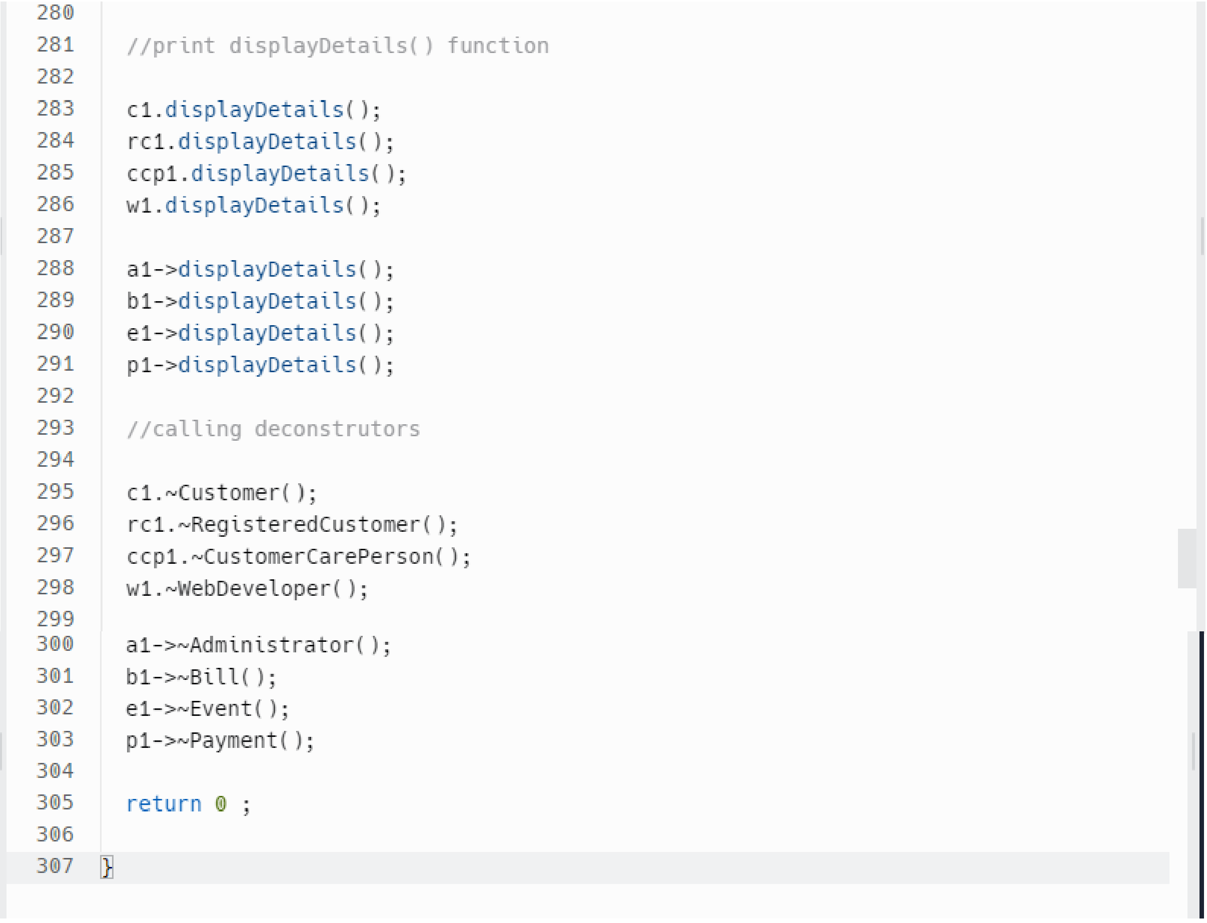
```
    int age;
    Customer * customers[2];
    RegisteredCustomer * registeredcustomers[2];
  public :
    CustomerCarePerson() {
      empNo = "E001";
      name = "Keshala";
      address = "Kurunegala";
      tel = "0777523877";
      age = 20;
    } ;
    void display() {
      cout << "This is a customer care person class." << endl ;
    }
    void addCustomer() {
      customers[0] = new Customer();
      customers[1] = new Customer();
    }
    void addRegisteredCustomer() {
      registeredcustomers[0] = new RegisteredCustomer();
      registeredcustomers[1] = new RegisteredCustomer();
```



```cpp
    }
    void displayDetails() {
      cout << "Customer Care Person Name : " << name << endl;
      cout << "Customer Care Person Address : " << address << endl;
      cout << "Customer Care Person Telephone Number : " << tel << endl;
      cout << "Customer Care Person Age : " << age << endl;
      cout << "...................................." << endl << endl;
    }
    double calcSalary() {};
    ~CustomerCarePerson() {
      cout << "Delete Customer Care Person class." << endl;
    }
} ;

//Web Developer Class

class WebDeveloper : public CustomerCarePerson {
  public :
    WebDeveloper() {
      empNo = "E002";
      name = "Tharushi";
      address = "Biyagama";
      tel = "0713616154";
      age = 22;
    } ;
    void display() {
      cout << "This is a web developer class." << endl ;
    }
    void displayDetails() {
      cout << "Web Developer Name : " << name << endl;
      cout << "Web Developer Address : " << address << endl;
      cout << "Web Developer Telephone Number : " << tel << endl;
      cout << "Web Developer Age : " << age << endl;
      cout << "...................................." << endl << endl;
    }
    double calcSalary() {};
    ~WebDeveloper() {
      cout << "Delete Web Developer class." << endl;
    }
} ;

//Administrator Class

class Administrator : public WebDeveloper {
  private :
    Customer * cus;
    RegisteredCustomer * regcus;
    Event * eve;
    Bill * bil;
  public :
    Administrator() {
      empNo = "E003";
      name = "Thevin";
      address = "Nuwara";
      tel = "0711555722";
      age = 22;
    } ;
    void display() {
      cout << "This is a administrator class." << endl ;
```

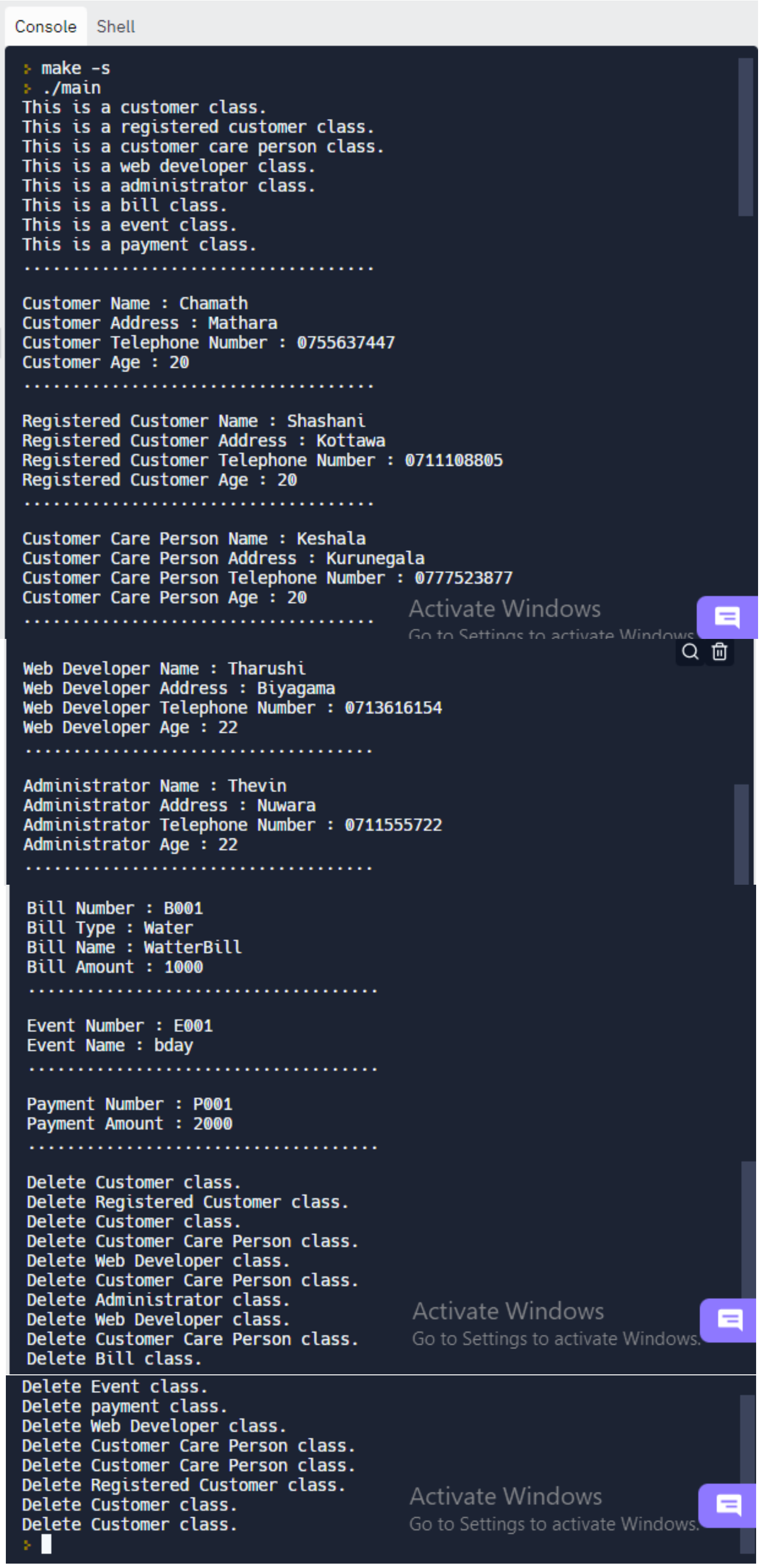


```
    }
    void displayDetails() {
      cout << "Administrator Name : " << name << endl;
      cout << "Administrator Address : " << address << endl;
      cout << "Administrator Telephone Number : " << tel << endl;
      cout << "Administrator Age : " << age << endl;
      cout << "...................................." << endl << endl;
    }
    double calcSalary() {};
    ~Administrator() {
      cout << "Delete Administrator class." << endl;
    }
} ;

// This is where the main programe starts

int main()
{
  // create objects

  Customer c1;
  RegisteredCustomer rc1;
  CustomerCarePerson ccp1;
  WebDeveloper w1;

  Administrator * a1 = new Administrator() ;
  Bill * b1 = new Bill() ;
  Event * e1 = new Event() ;
  Payment * p1 = new Payment() ;

  // print display() function

  c1.display();
  rc1.display();
  ccp1.display();
  w1.display();

  a1->display();
  b1->display();
  e1->display();
  p1->display();
```



```
    //print displayDetails() function

    c1.displayDetails();
    rc1.displayDetails();
    ccp1.displayDetails();
    w1.displayDetails();

    a1->displayDetails();
    b1->displayDetails();
    e1->displayDetails();
    p1->displayDetails();

    //calling deconstrutors

    c1.~Customer();
    rc1.~RegisteredCustomer();
    ccp1.~CustomerCarePerson();
    w1.~WebDeveloper();

    a1->~Administrator();
    b1->~Bill();
    e1->~Event();
    p1->~Payment();

    return 0 ;

}
```

Output



```
› make -s
› ./main
This is a customer class.
This is a registered customer class.
This is a customer care person class.
This is a web developer class.
This is a administrator class.
This is a bill class.
This is a event class.
This is a payment class.
....................................

Customer Name : Chamath
Customer Address : Mathara
Customer Telephone Number : 0755637447
Customer Age : 20
....................................

Registered Customer Name : Shashani
Registered Customer Address : Kottawa
Registered Customer Telephone Number : 0711108805
Registered Customer Age : 20
....................................

Customer Care Person Name : Keshala
Customer Care Person Address : Kurunegala
Customer Care Person Telephone Number : 0777523877
Customer Care Person Age : 20
....................................

Web Developer Name : Tharushi
Web Developer Address : Biyagama
Web Developer Telephone Number : 0713616154
Web Developer Age : 22
....................................

Administrator Name : Thevin
Administrator Address : Nuwara
Administrator Telephone Number : 0711555722
Administrator Age : 22
....................................

Bill Number : B001
Bill Type : Water
Bill Name : WatterBill
Bill Amount : 1000
....................................

Event Number : E001
Event Name : bday
....................................

Payment Number : P001
Payment Amount : 2000
....................................

Delete Customer class.
Delete Registered Customer class.
Delete Customer class.
Delete Customer Care Person class.
Delete Web Developer class.
Delete Customer Care Person class.
Delete Administrator class.
Delete Web Developer class.
Delete Customer Care Person class.
Delete Bill class.
Delete Event class.
Delete payment class.
Delete Web Developer class.
Delete Customer Care Person class.
Delete Customer Care Person class.
Delete Registered Customer class.
Delete Customer class.
Delete Customer class.
› 
```
]

Contribution of Projects

Student ID	Student Name	Individual Contribution
IT21108822	Abeykoon M W T H B	• Write requirement analysis description • Identify classes • Write CRC cards of administrator • Design class diagram of administrator • Code of administrator class • Code of whole class
IT21044304	Kariyapperuma K A D C A	• Write requirement analysis description • Identify classes • Write CRC cards of customer and payment • Design class diagram of customer and payment • Code of customer and payment class • Code of whole class
IT21224966	Dilrukshi A G T	• Write requirement analysis description • Identify classes • Write CRC cards of web developer and event • Design class diagram of web developer and event • Code of web developer and event class • Code of whole class
IT21237522	Thathsarani H A N N	• Write requirement analysis description • Identify classes • Write CRC cards of customer care person • Design class diagram of customer care person • Code of customer care person class • Code of whole class
IT21227486	Ruhunage S D P R	• Write requirement analysis description • Identify classes • Write CRC cards of registered customer and event • Design class diagram of web developer and event • Code of web developer and event class • Code of whole class