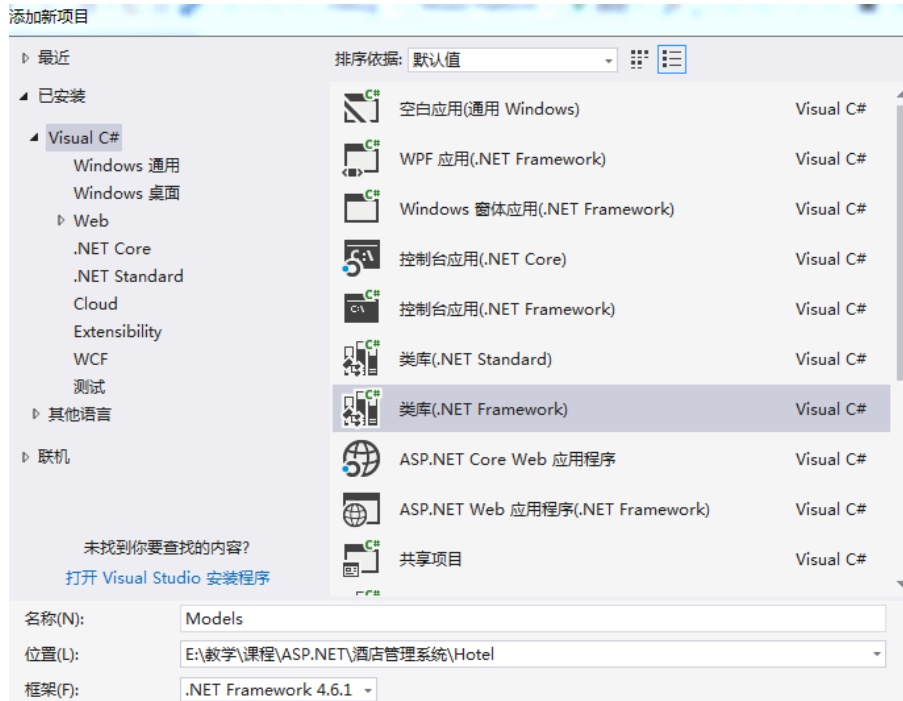


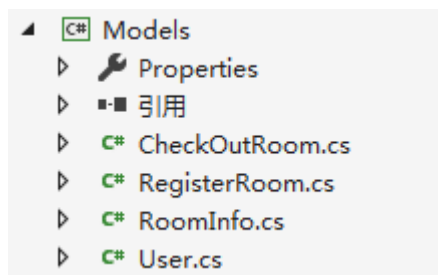
作业二 实体模型设计

实体模型包含了所有的数据信息，这些数据信息以各种 Entity 实例的形式存在。实体模型类库 Models 由 4 个核心类组成，分别为 User.cs、RoomInfo.cs、CheckInRoom.cs 和 CheckOutRoom.cs。

一、新建解决方案 Hotel，并在 Hotel 解决方案中新建类库项目 Models



二、在 Models 项目中新建如下类，并完成类的封装。



1. User 类

User 类用于封装 Hotel 数据库中的 user 数据表的用户数据，代码如下：

```
public class User
{
    private string name;    //映射userName字段
    private string pwd;    //映射userPwd字段
    private int role;      //映射role字段
    public string Name
    {
        get { return name; }
        set { name = value; }
    }
    public string Pwd
    {
```

```

        get { return pwd; }
        set { pwd = value; }
    }

    public int Role
    {
        get { return role; }
        set { role = value; }
    }

    public User()
    {
        name = "";
        pwd = "";
        role = 0;
    }

    public User(string _name, string _pwd, int _role)
    {
        name = _name;
        pwd = _pwd;
        role = _role;
    }
}

```

2.RoomInfo 类

RoomInfo 类用于封装 Hotel 数据库中的 room 数据表的房间数据，代码如下：

```

public class RoomInfo
{
    private string roomId;    //映射roomId字段
    private string roomType; //映射roomType字段
    private string roomFloor; //映射roomFloor字段
    private double price;    //映射price字段
    private int personNum;   //映射personNum字段
    private int inPerson;    //映射inPerson字段
    private string note;     //映射note字段

    public string RoomId
    {
        get { return roomId; }
        set { roomId = value; }
    }

    public string RoomType
    {
        get { return roomType; }
        set { roomType = value; }
    }

    public string RoomFloor
    {

```

```

        get { return roomFloor; }
        set { roomFloor = value; }
    }

    public double Price
    {
        get { return price; }
        set { price = value; }
    }

    public int PersonNum
    {
        get { return personNum; }
        set { personNum = value; }
    }

    public int InPerson
    {
        get { return inPerson; }
        set { inPerson = value; }
    }

    public string Note
    {
        get { return note; }
        set { note = value; }
    }
}

```

3.CheckInRoom 类

CheckInRoom 类用于封装 Hotel 数据库中的 checkin 数据表的入住登记数据,代码如下:

```

public class CheckInRoom
{
    private int inId;           //映射inId字段
    private string roomId;      //映射roomId字段
    private double price;       //映射price字段
    private double foregift;    //映射foregift字段
    private DateTime inTime;    //映射inTime字段
    private DateTime outTime;   //映射outTime字段
    private string clientName;  //映射clientName字段
    private bool sex;           //映射sex字段
    private string phone;       //映射phone字段
    private string certType;    //映射certType字段
    private string certId;      //映射certId字段
    private string address;     //映射address字段
    private int personNum;      //映射personNum字段
    private string oper;        //映射oper字段
    private int delMark;        //映射delMard字段
    public int InId

```

```
{
    get { return inId; }
    set { inId = value; }
}

public string RoomId
{
    get { return roomId; }
    set { roomId = value; }
}

public double Price
{
    get { return price; }
    set { price = value; }
}

public double Foregift
{
    get { return foregift; }
    set { foregift = value; }
}

public DateTime InTime
{
    get { return inTime; }
    set { inTime = value; }
}

public DateTime OutTime
{
    get { return outTime; }
    set { outTime = value; }
}

public string ClientName
{
    get { return clientName; }
    set { clientName = value; }
}

public bool Sex
{
    get { return sex; }
    set { sex = value; }
}

public string Phone
{
    get { return phone; }
    set { phone = value; }
}
```

```

public string CertType
{
    get { return certType; }
    set { certType = value; }
}

public string CertId
{
    get { return certId; }
    set { certId = value; }
}

public string Address
{
    get { return address; }
    set { address = value; }
}

public int PersonNum
{
    get { return personNum; }
    set { personNum = value; }
}

public string Oper
{
    get { return oper; }
    set { oper = value; }
}

public int DelMark
{
    get { return delMark; }
    set { delMark = value; }
}
}

```

4.CheckOutRoom 类

CheckOutRoom 类用于封装 Hotel 数据库中的 checkout 数据表的退房登记数据，代码如下：

```

public class CheckOutRoom
{
    private string outId;        //映射outId字段
    private int inId;           //映射inId字段
    private DateTime outTime;    //映射outTime字段
    private string roomId;      //映射roomId字段
    private string clientName;  //映射clientName字段
    private DateTime inTime;     //映射inTime字段
    private double price;       //映射price字段
    private double foregift;    //映射foregift字段
}

```

```
private double total;    //映射total字段
private double account;  //映射account字段
private string note;     //映射note字段
private string oper;     //映射oper字段
public string OutId
{
    get { return outId; }
    set { outId = value; }
}
public int InId
{
    get { return inId; }
    set { inId = value; }
}
public DateTime OutTime
{
    get { return outTime; }
    set { outTime = value; }
}
public string RoomId
{
    get { return roomId; }
    set { roomId = value; }
}
public string ClientName
{
    get { return clientName; }
    set { clientName = value; }
}
public DateTime InTime
{
    get { return inTime; }
    set { inTime = value; }
}
public double Price
{
    get { return price; }
    set { price = value; }
}
public double Foregift
{
    get { return foregift; }
    set { foregift = value; }
}
```

```
public double Total
{
    get { return total; }
    set { total = value; }
}

public double Account
{
    get { return account; }
    set { account = value; }
}

public string Note
{
    get { return note; }
    set { note = value; }
}

public string Oper
{
    get { return oper; }
    set { oper = value; }
}
}
```