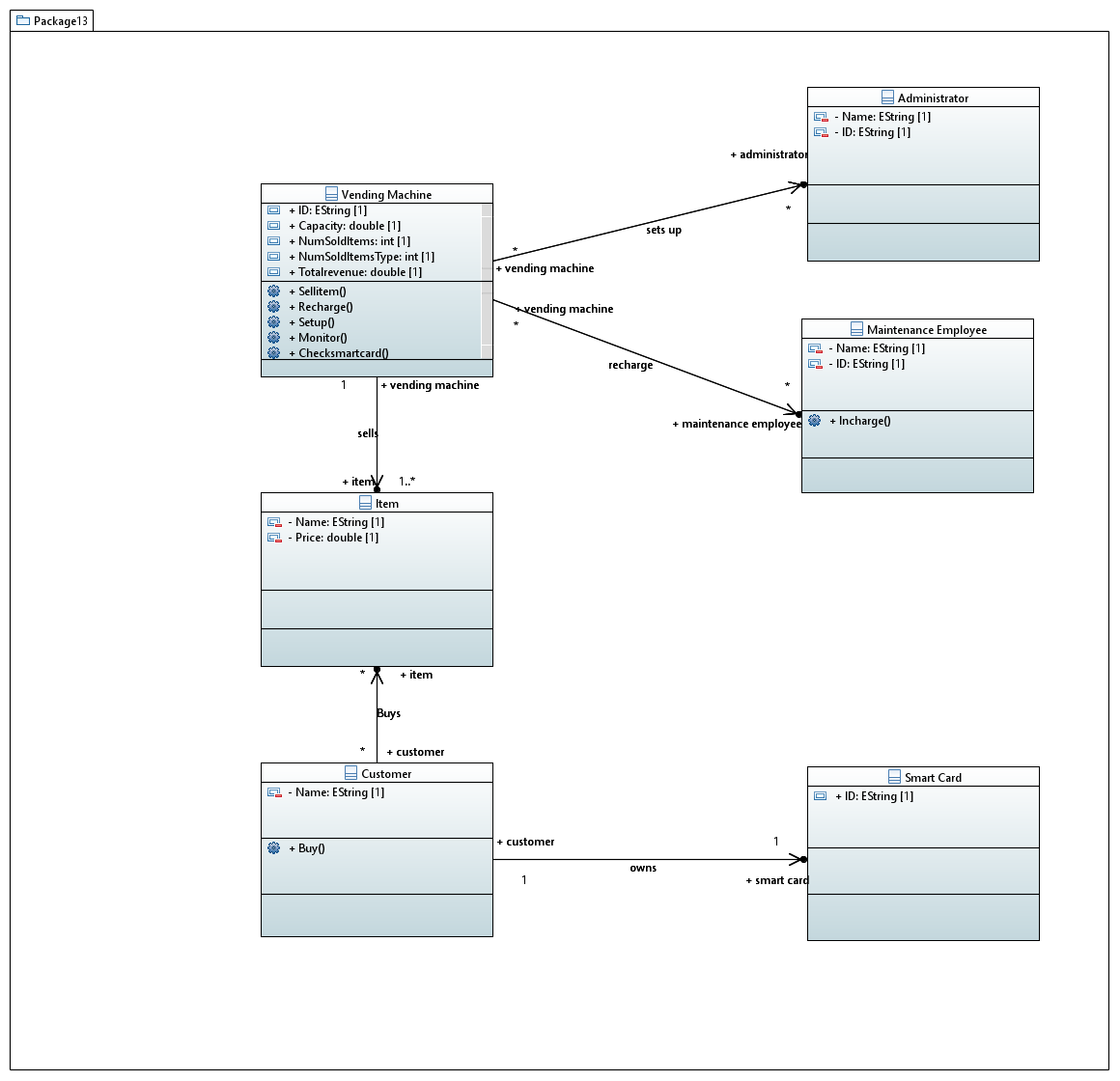
**LAB 4(22K-5192)**

**Task 1:**



CODE(TASK 1):

**package** Package13;

**import** java.util.List;

**public** **class** Administrator {

/\*\*

\*

\*/

**private** String Name;

/\*\*

\*

\*/

**private** String ID;

/\*\*

\* Getter of Name

\*/

**public** String getName() {

**return** Name;

}

/\*\*

\* Setter of Name

\*/

**public** **void** setName(String Name) {

**this**.Name = Name;

}

/\*\*

\* Getter of ID

\*/

**public** String getID() {

**return** ID;

}

/\*\*

\* Setter of ID

\*/

**public** **void** setID(String ID) {

**this**.ID = ID;

}

}

**public** **class** Customer {

/\*\*

\*

\*/

**private** String Name;

/\*\*

\*

\*/

**public** List<Item> item;

**public** SmartCard smartcard;

/\*\*

\* Getter of Name

\*/

**public** String getName() {

**return** Name;

}

/\*\*

\* Setter of Name

\*/

**public** **void** setName(String Name) {

**this**.Name = Name;

}

/\*\*

\* Getter of item

\*/

**public** List<Item> getItem() {

**return** item;

}

/\*\*

\* Setter of item

\*/

**public** **void** setItem(List<Item> item) {

**this**.item = item;

}

}

**public** **class** Item {

/\*\*

\*

\*/

**private** **double** Price;

/\*\*

\*

\*/

**private** String Name;

/\*\*

\* Getter of Price

\*/

**public** **double** getPrice() {

**return** Price;

}

/\*\*

\* Setter of Price

\*/

**public** **void** setPrice(**double** Price) {

**this**.Price = Price;

}

/\*\*

\* Getter of Name

\*/

**public** String getName() {

**return** Name;

}

/\*\*

\* Setter of Name

\*/

**public** **void** setName(String Name) {

**this**.Name = Name;

}

}

**public** **class** SmartCard {

/\*\*

\*

\*/

**public** String ID;

/\*\*

\* Getter of ID

\*/

**public** String getID() {

**return** ID;

}

/\*\*

\* Setter of ID

\*/

**public** **void** setID(String ID) {

**this**.ID = ID;

}

}

**public** **class** VendingMachine {

/\*\*

\*

\*/

**public** List<MaintenanceEmployee> maintenance;

/\*\*

\*

\*/

**public** **int** NumSoldItemsType;

/\*\*

\*

\*/

**public** **double** Capacity;

/\*\*

\*

\*/

**public** List<Administrator> administrator;

/\*\*

\*

\*/

**public** List<Item> item;

/\*\*

\*

\*/

**public** String ID;

/\*\*

\*

\*/

**public** **double** Totalrevenue;

**public** **int** NumSoldItems;

}

**public** **class** MaintenanceEmployee {

/\*\*

\*

\*/

**private** String ID;

/\*\*

\*

\*/

**private** String Name;

/\*\*

\* Getter of ID

\*/

**public** String getID() {

**return** ID;

}

/\*\*

\* Setter of ID

\*/

**public** **void** setID(String ID) {

**this**.ID = ID;

}

/\*\*

\* Getter of Name

\*/

**public** String getName() {

**return** Name;

}

/\*\*

\* Setter of Name

\*/

**public** **void** setName(String Name) {

**this**.Name = Name;

}

/\*\*

\*

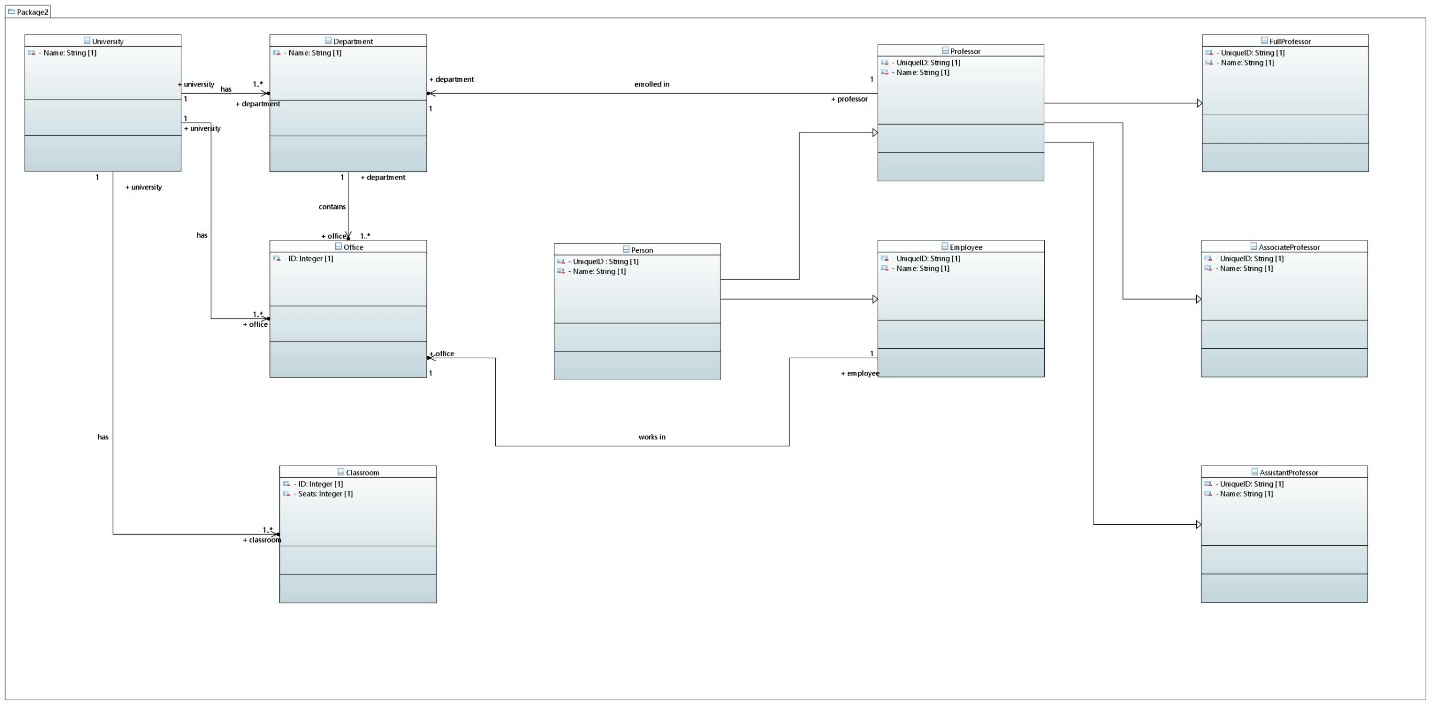
\*/

**public** **void** Incharge() {

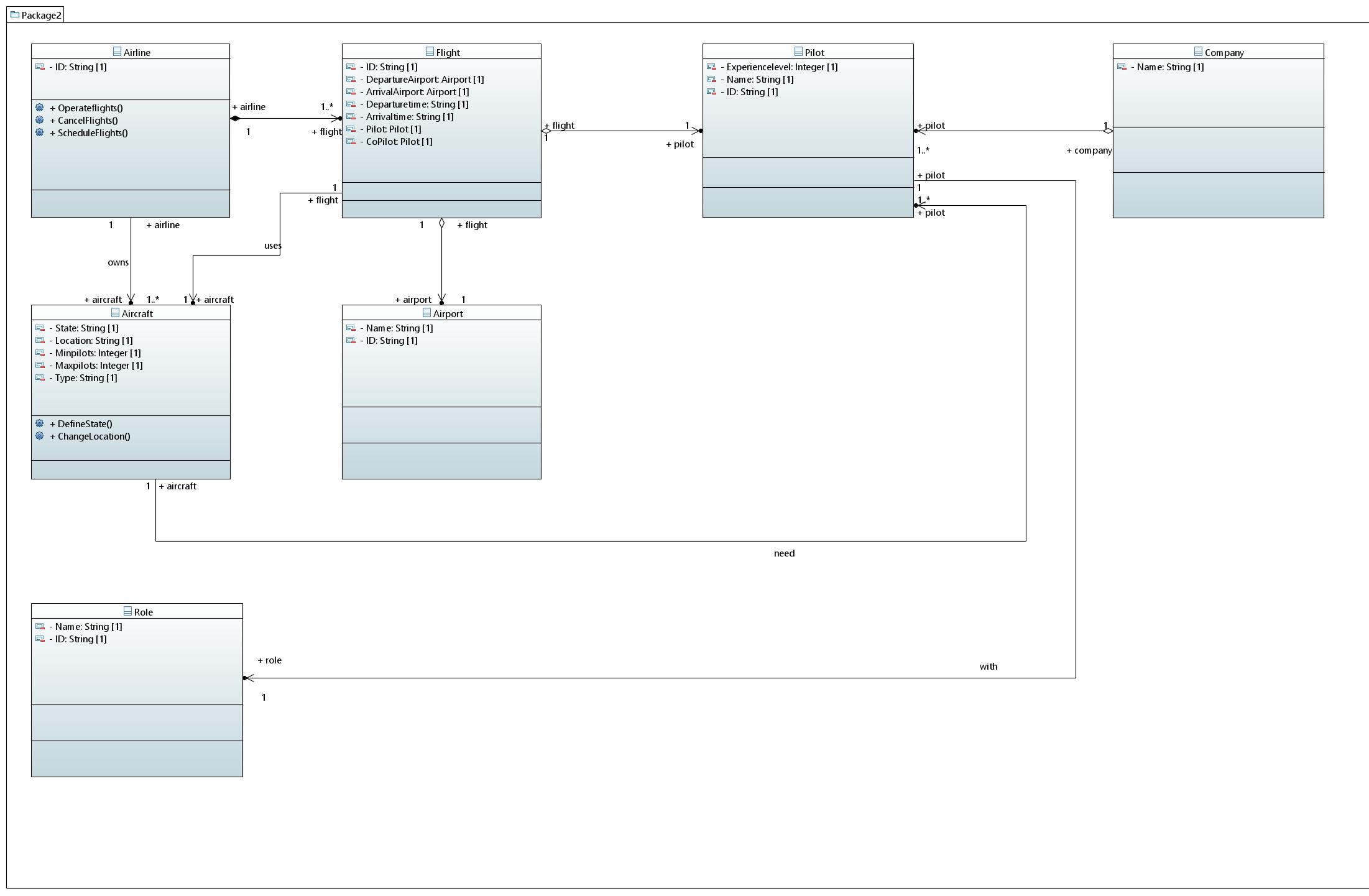
// **TODO** Auto-generated method

}

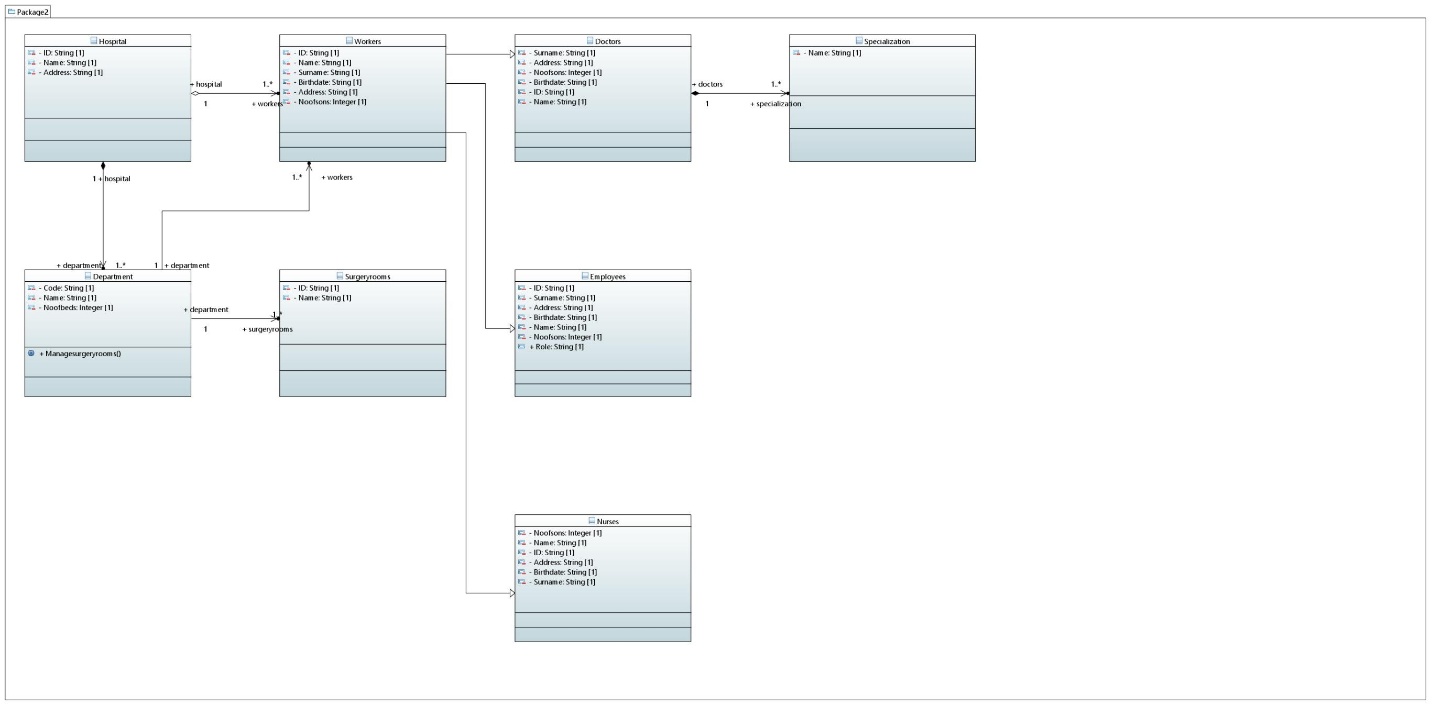
}

**TASK 2:**

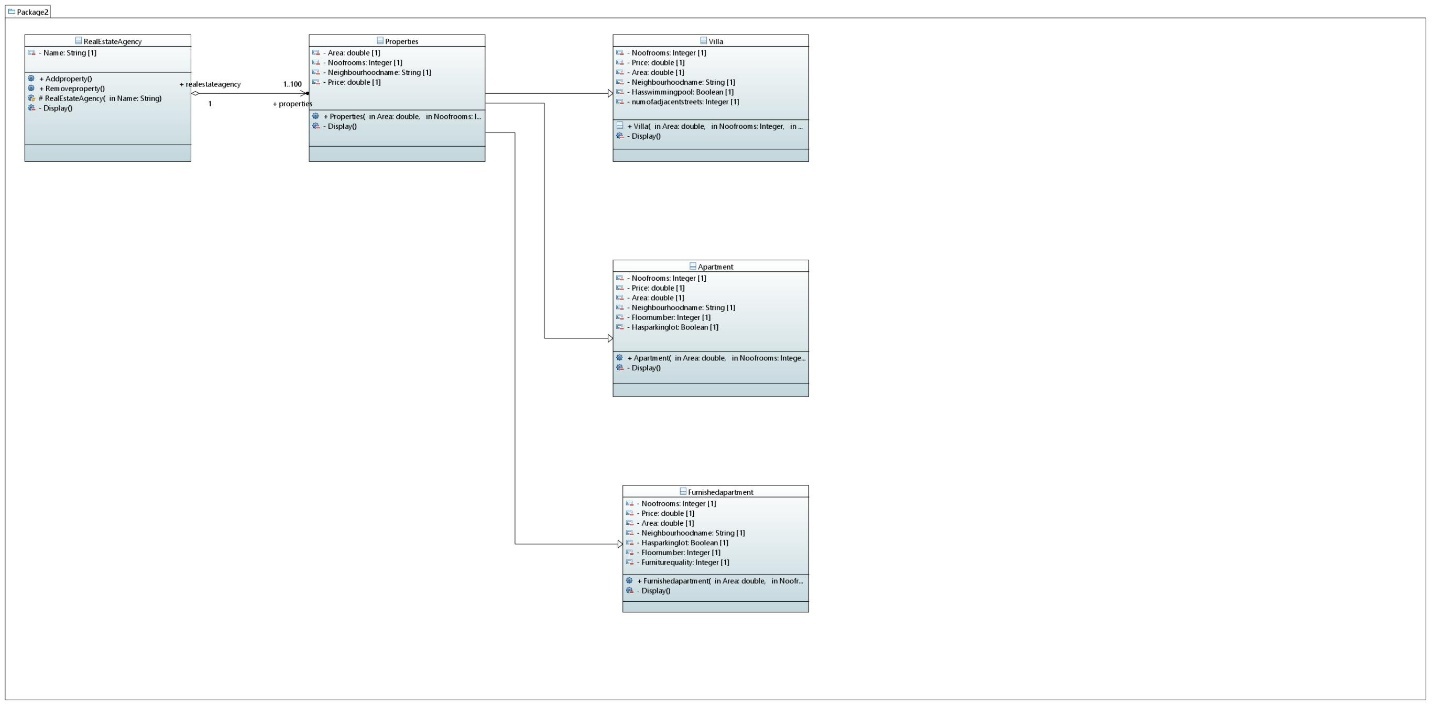
**TASK 3:**

****

**TASK 4:**

****

**TASK 5:**

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