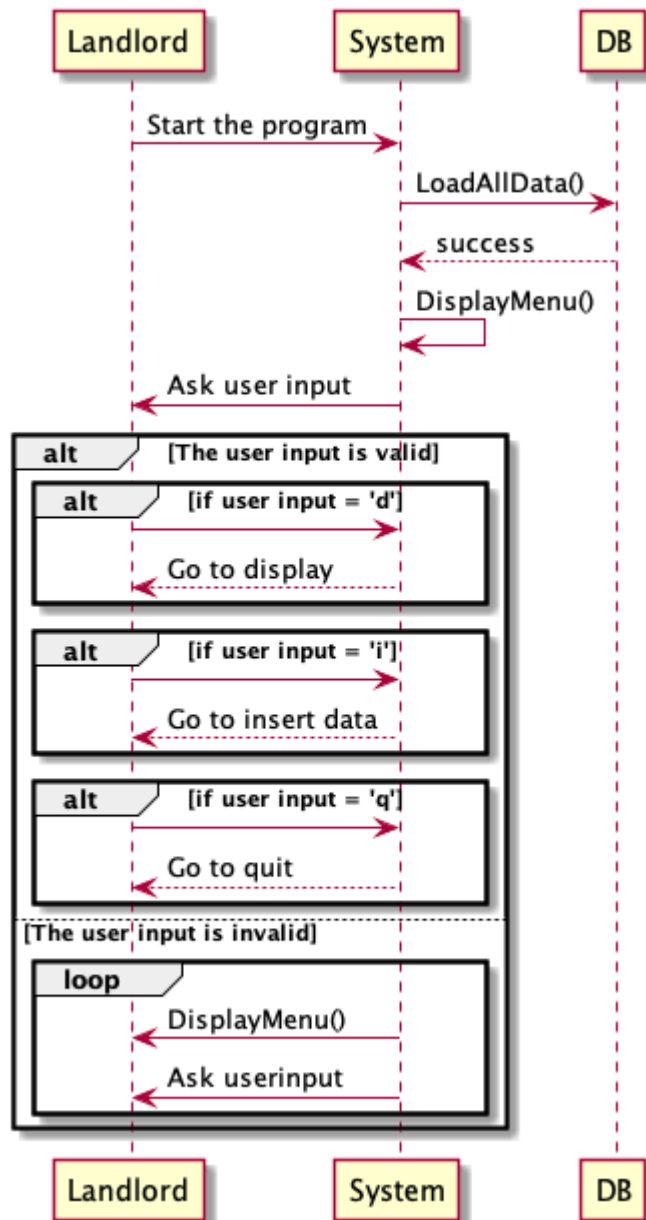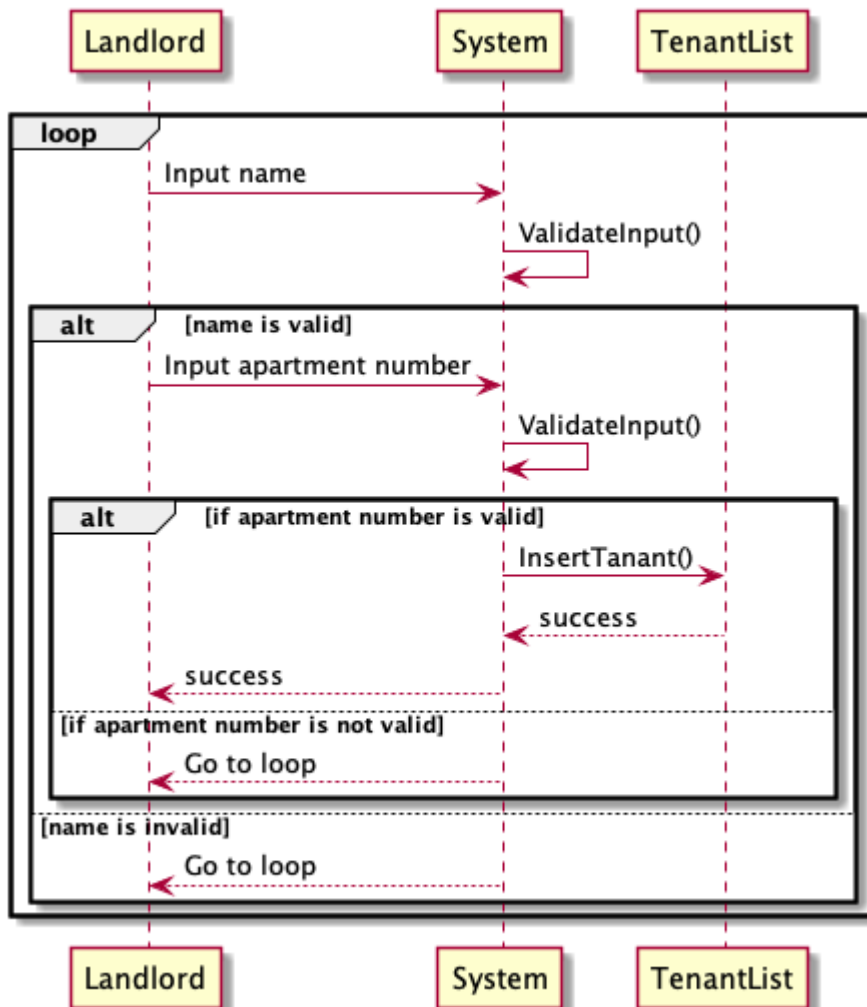# Group 4 - Activity 5

## 1. Start the program

## 2. Add new tenant

**Landlord**  **System**  **TenantList**

**loop**

Landlord → System: Input name

System: ValidateInput()

**alt** [name is valid]

Landlord → System: Input apartment number

System: ValidateInput()

**alt** [if apartment number is valid]

System → TenantList: InsertTanant()

TenantList ⇠ System: success

System ⇠ Landlord: success

[if apartment number is not valid]

System ⇠ Landlord: Go to loop

[name is invalid]

System ⇠ Landlord: Go to loop

**Landlord**  **System**  **TenantList**

# 3. Input a rental payment
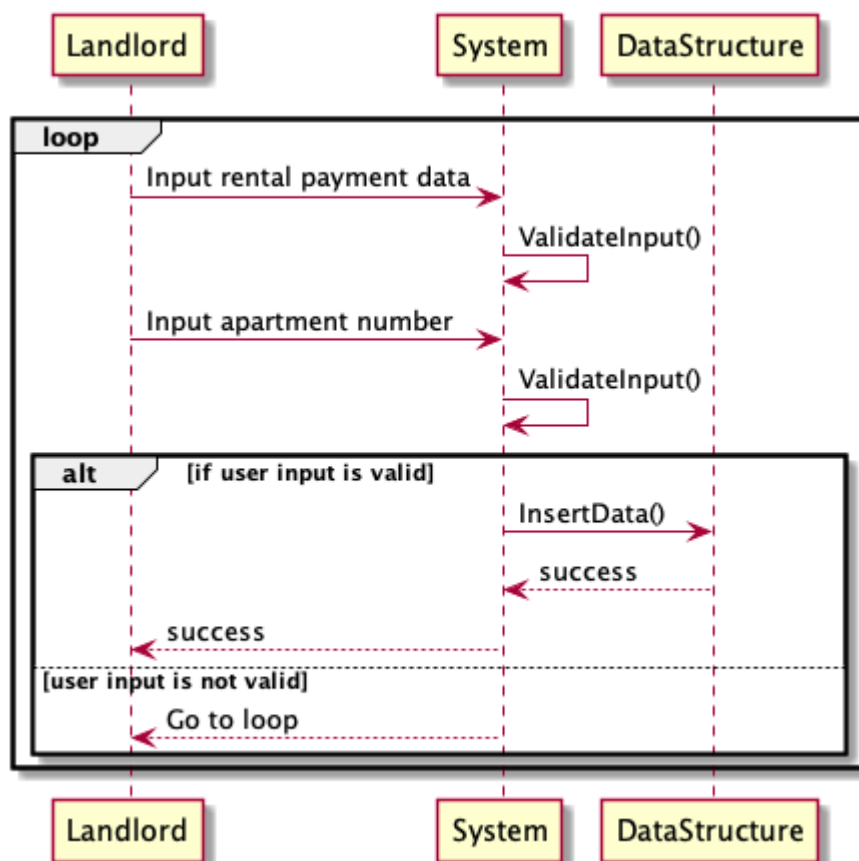
## 4. Display the Tenant List

```
Landlord          OutputScreen          TenantList
   │                   │                     │
   │  Display Tenants  │                     │
   │──────────────────>│                     │
   │                   │     Display()       │
   │                   │────────────────────>│
   │      Output       │                     │
   │<- - - - - - - - - - - - - - - - - - - - │
Landlord          OutputScreen          TenantList
```
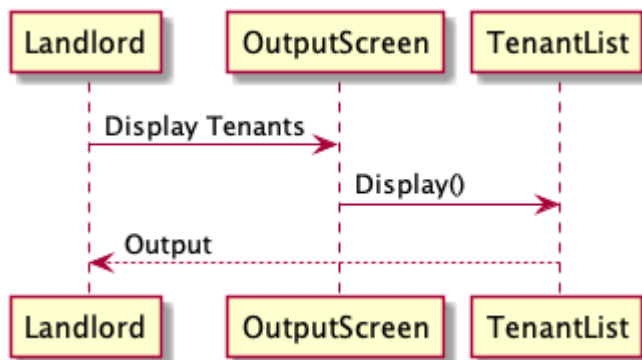
## 5. Display the Rent Record

```
Landlord           OutputScreen       RentRecord
   │                    │                  │
   │ Display RentRecord │                  │
   │───────────────────>│                  │
   │                    │    Display()     │
   │                    │─────────────────>│
   │      Output        │                  │
   │<- - - - - - - - - - - - - - - - - - - │
Landlord           OutputScreen       RentRecord
```
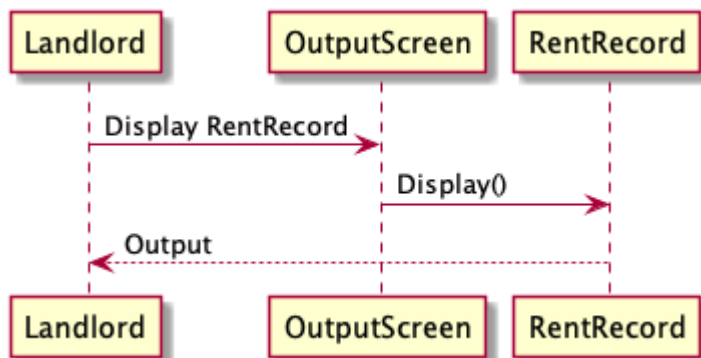
## 6. Display the Expense Record

```
Landlord            OutputScreen     ExpenseRecord
   │                     │                 │
   │ Display ExpenseRecord                 │
   │────────────────────>│                 │
   │                     │    Display()    │
   │                     │────────────────>│
   │      Output         │                 │
   │<- - - - - - - - - - - - - - - - - - - │
Landlord            OutputScreen     ExpenseRecord
```
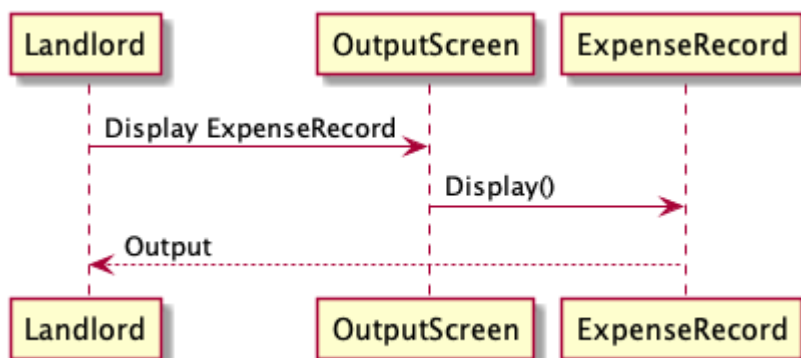
## 7. Display the Annual Summary