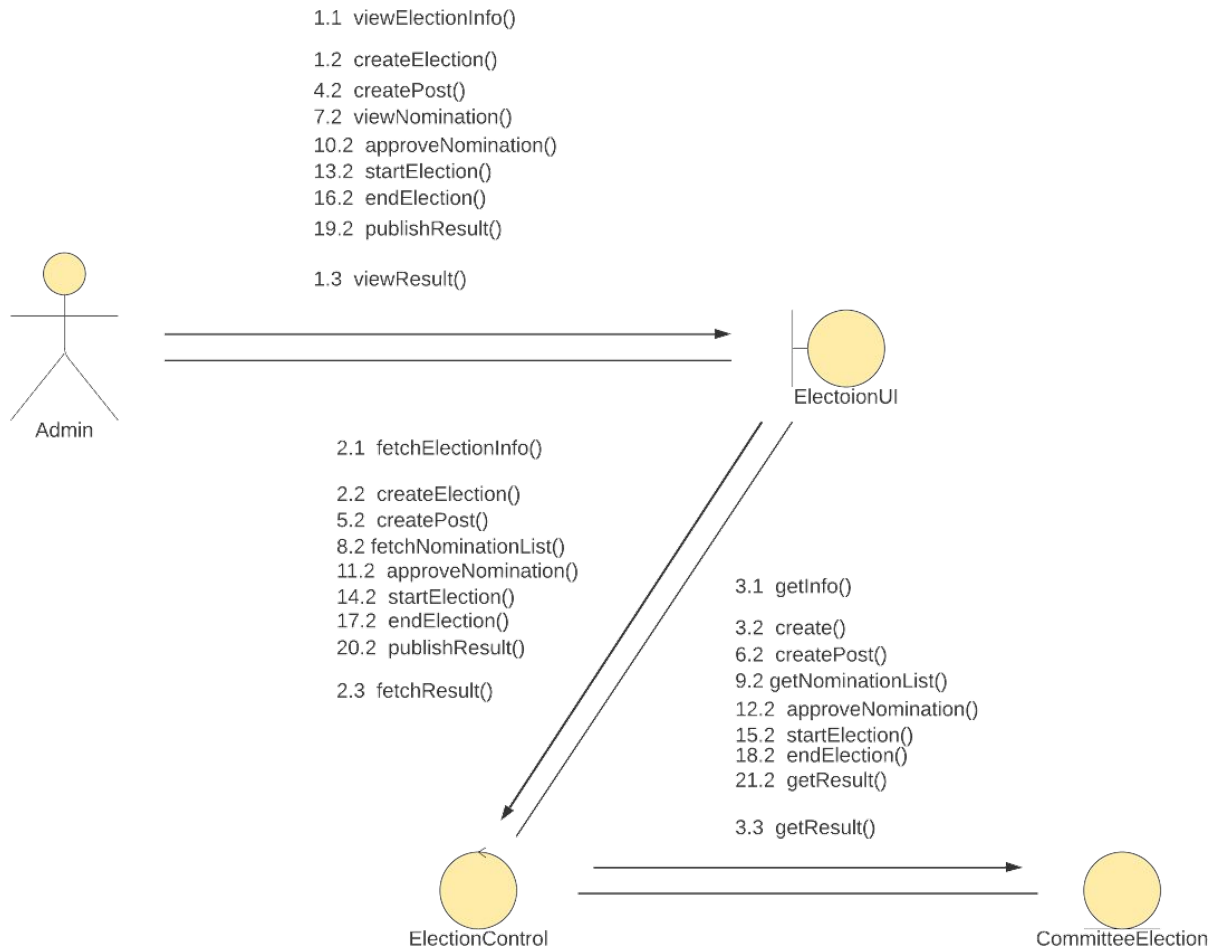# Collaboration Diagram

CSE326(B2)
Group 4
Presented by : 1705118
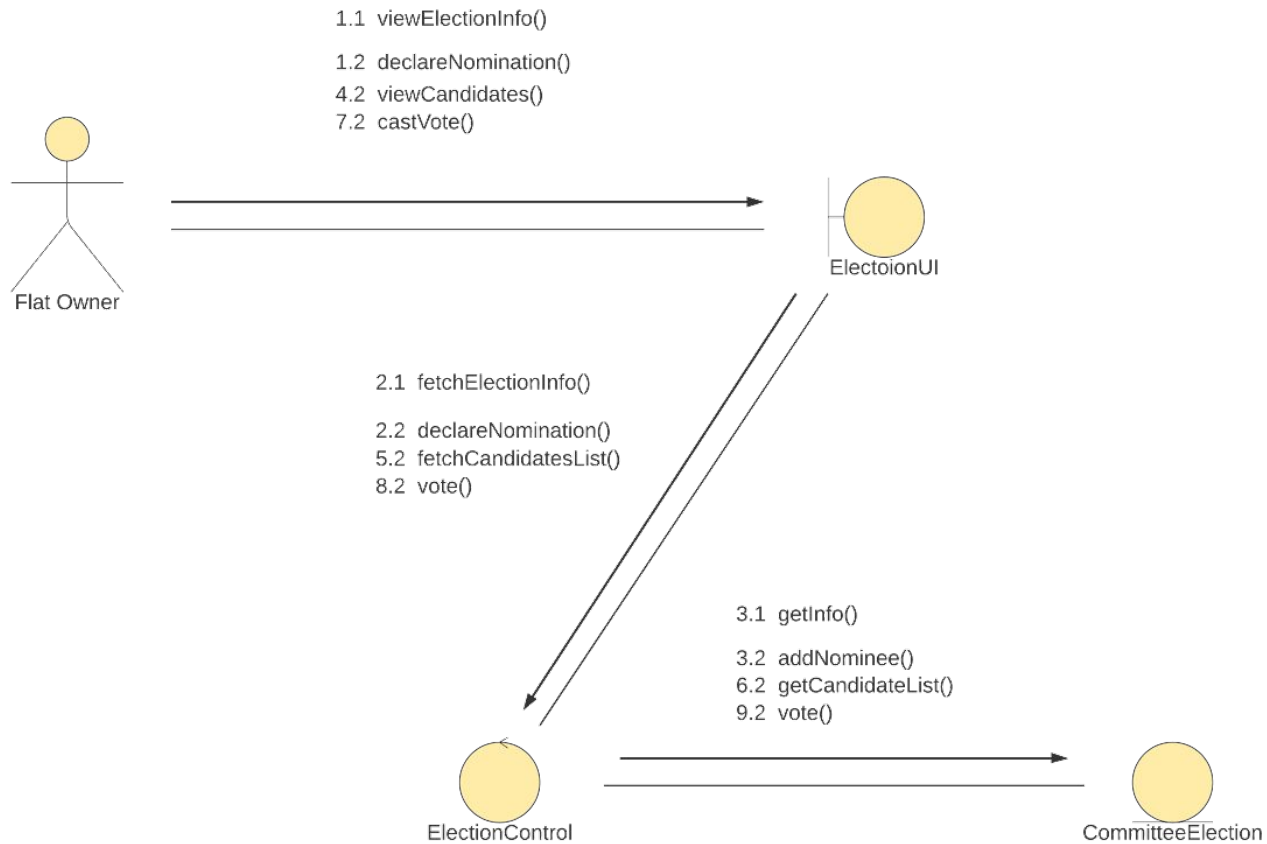
Major Use Cases

1. Committee Election
2. Poll
3. Admin Finance
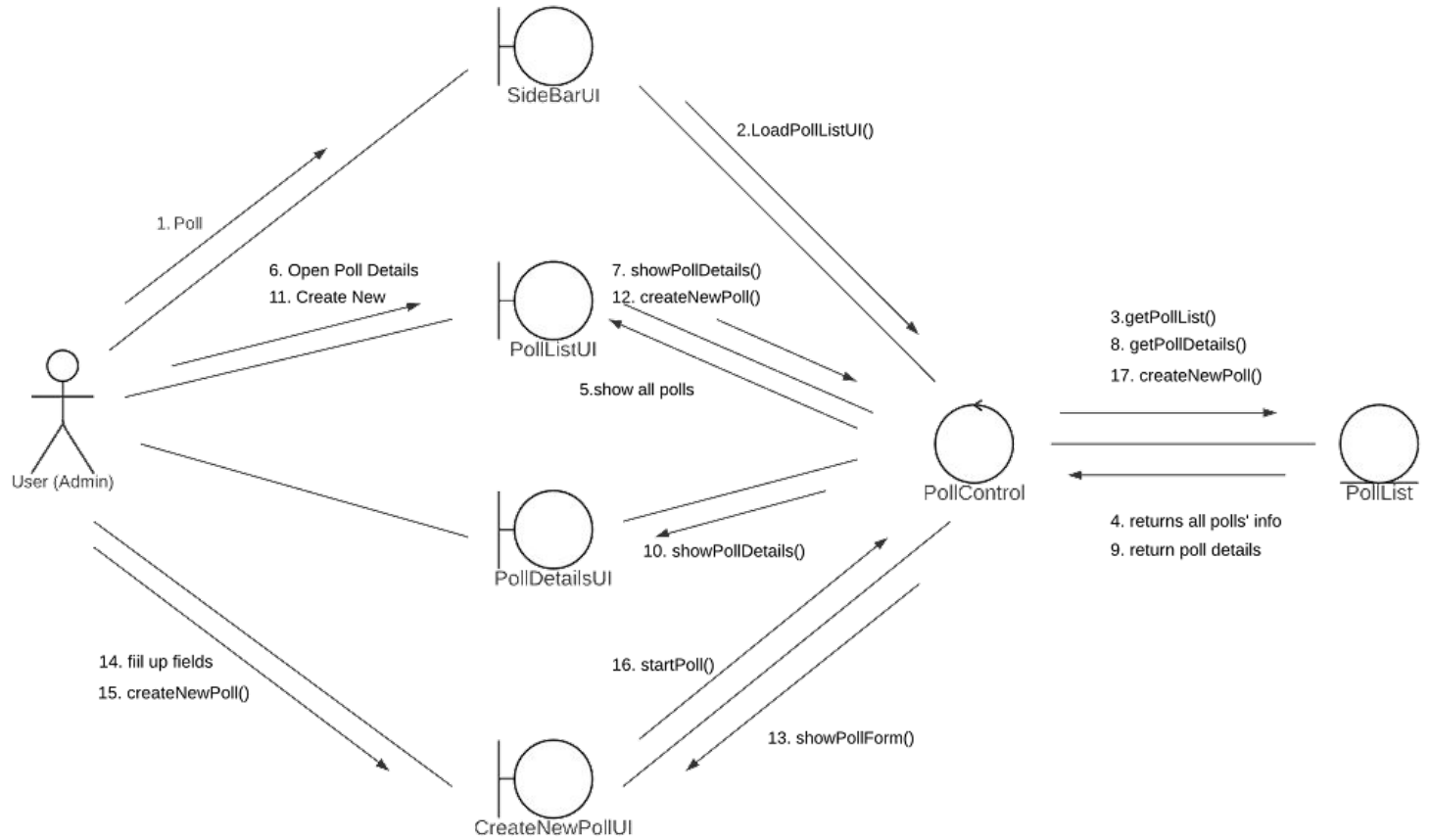4. Bill Pay
5. Add Apartment, Tenant, Service Provider, Packages

Election (Admin)

1.1 viewElectionInfo()

1.2 createElection()
4.2 createPost()
7.2 viewNomination()
10.2 approveNomination()
13.2 startElection()
16.2 endElection()
19.2 publishResult()

1.3 viewResult()

Admin

ElectoionUI

2.1 fetchElectionInfo()

2.2 createElection()
5.2 createPost()
8.2 fetchNominationList()
11.2 approveNomination()
14.2 startElection()
17.2 endElection()
20.2 publishResult()

2.3 fetchResult()

3.1 getInfo()

3.2 create()
6.2 createPost()
9.2 getNominationList()
12.2 approveNomination()
15.2 startElection()
18.2 endElection()
21.2 getResult()

3.3 getResult()

ElectionControl

CommitteeElection

Election (Flat Owner)

1.1 viewElectionInfo()

1.2 declareNomination()
4.2 viewCandidates()
7.2 castVote()

ElectoionUI

Flat Owner

2.1 fetchElectionInfo()

2.2 declareNomination()
5.2 fetchCandidatesList()
8.2 vote()

3.1 getInfo()

3.2 addNominee()
6.2 getCandidateList()
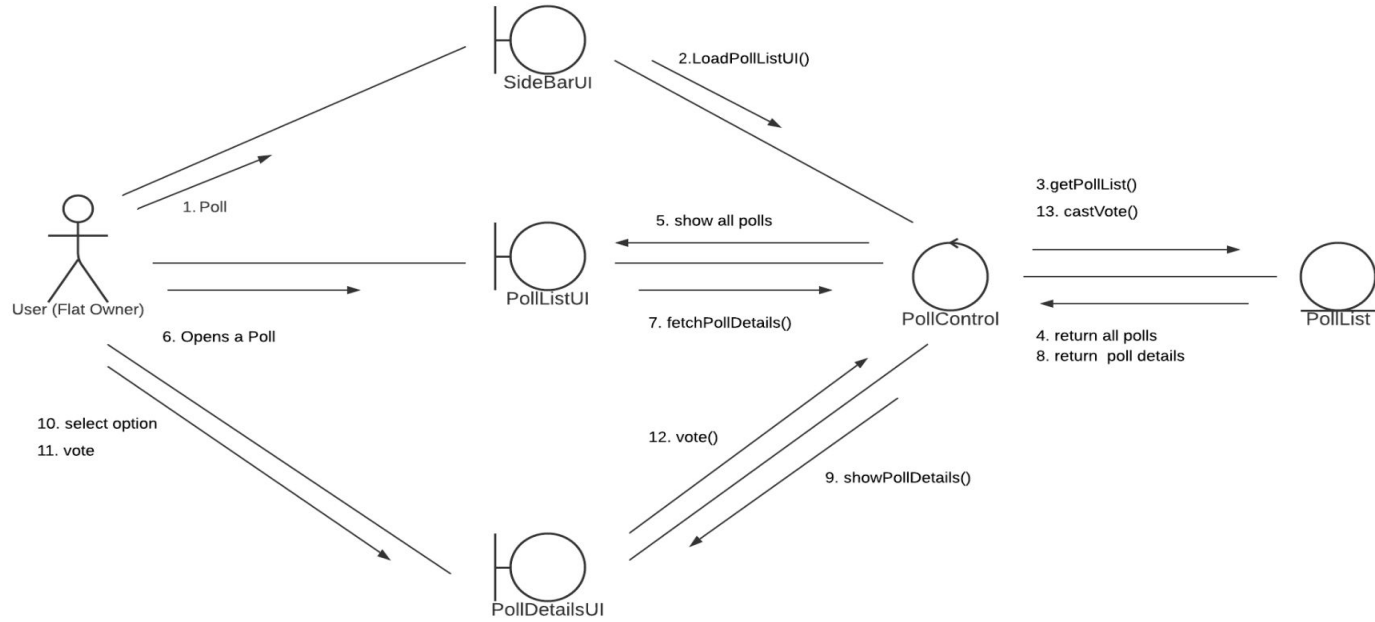9.2 vote()

ElectionControl

CommitteeElection

Poll (Admin)

Poll (User)

Poll (User) Collaboration Diagram

Admin Finance

Admin Finance Collaboration Diagram

8.1.1. Update current payable amount

8.2.1. Expense Stat

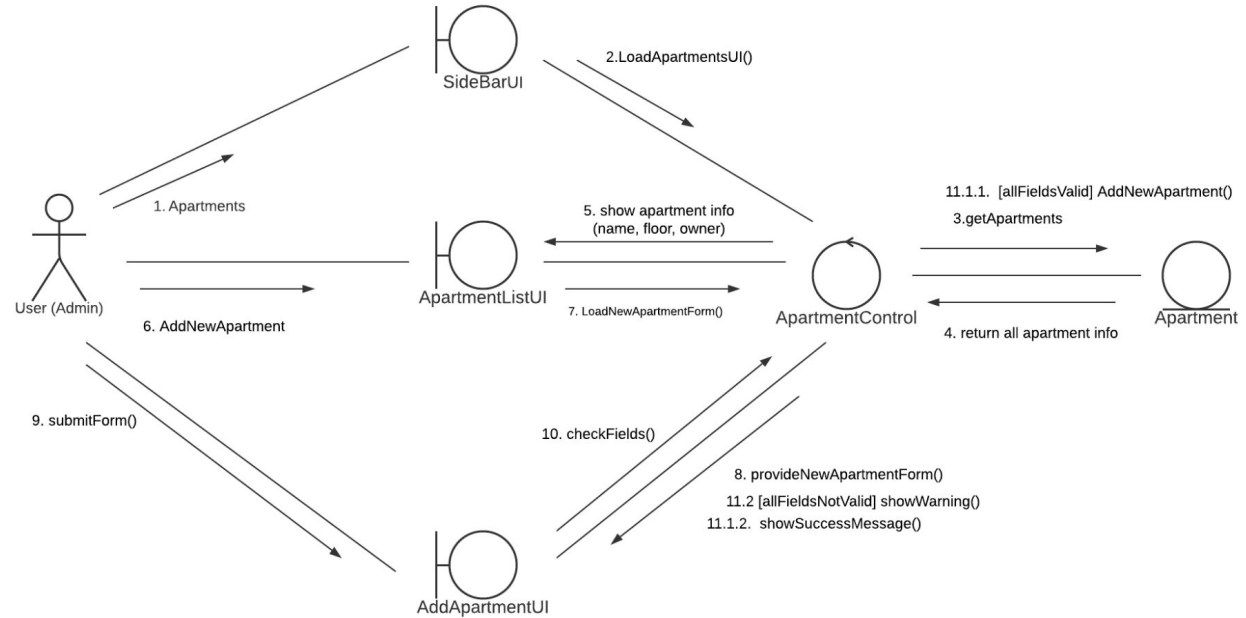8.1.2 setCurrPayableAmnt(amount)

8.2.2. LoadExpenseStatUI()

3.getTotalFund()

4. getCurrentPayableAmount()

5. generateFundCollectionLog()

8.1.3 setCurrPayableAmnt(amount)

8.2.6 updateFund(expense amount)

7. show collection log and necessary data

8.1.5.[successful] show updated or error

ServiceChargeUI

1. Finance

2.LoadServiceChargeUI()

6. return collection log and necessary data

8.1.4. return update status

User (Admin)

SideBarUI

FinanceControl

Fund

8.2.5. addExpense(expenseInfo)

8.2.4. Add new Expense

8.2.3. show generated ExpenseStatUI()

8.2.7 updateUI() or show error

ExpenseStatUI

Bill Pay

Bill Pay Collaboration Diagram

1. ViewDues()
5. SelectField()
10. PayBill()

2. ViewDues()
6. SelectField()
11. PayBill()

User

BillPayUI

4. ShowDues()
9. ShowTotalBill()
14. ShowPaymentConfirmation()

BillPay

[isServiceCharge=tfalse] 8.2. TotalBill += Bill
[isServiceCharge=tfalse] 12.2 bill = paid

3.1. getServiceCharge()
7. IsServiceCharge()

3.2. getBill()

[isServiceCharge=true] 8.1. TotalBill += ServiceCharge
[isServiceCharge=true] 12.1. bill = paid

Flat

13. IncreaseFund()

Fund

IndividualBills
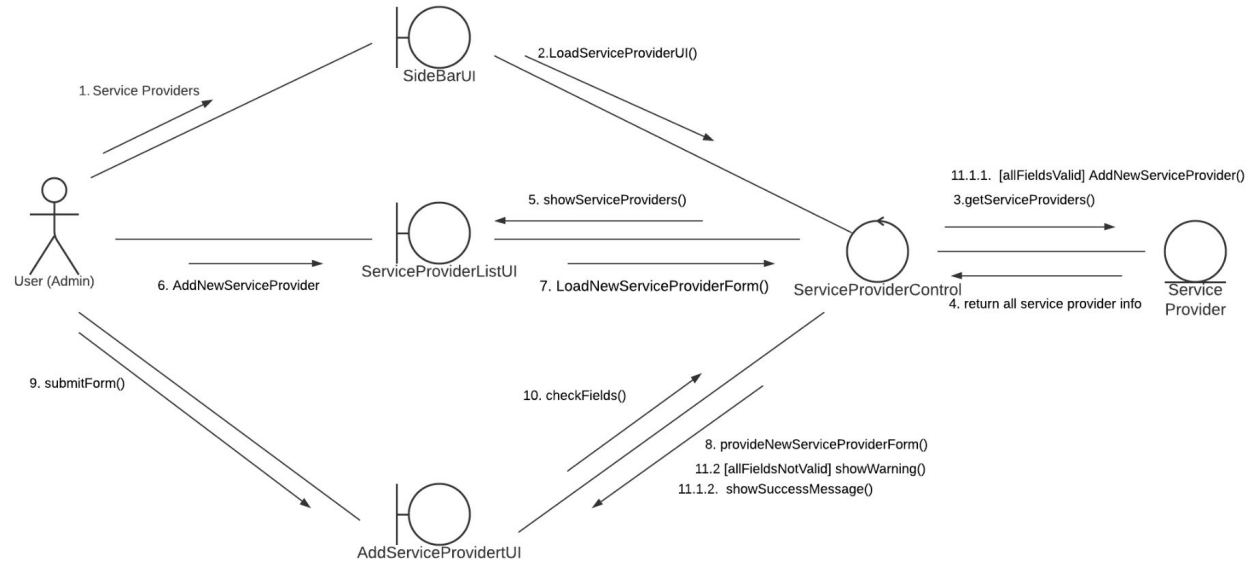
Add Apartment

Add Apartment Collaboration Diagram

Add Tenant

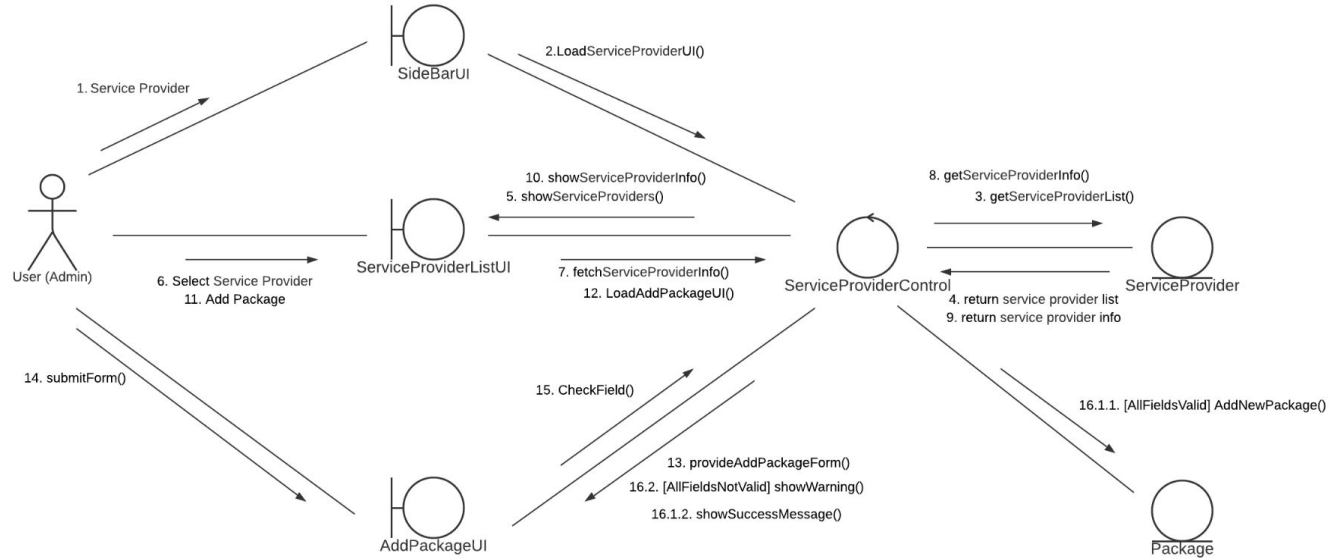# Add Tenant Collaboration Diagram
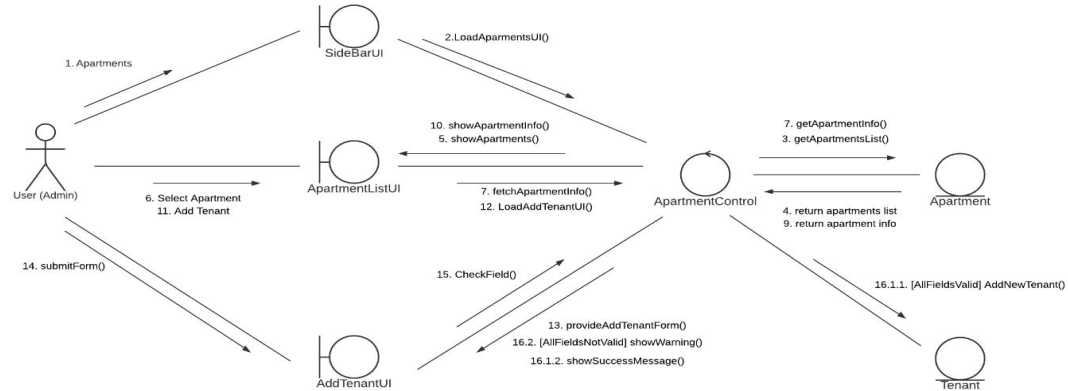
Add Service Provider

Add Service Provider Collaboration Diagram

Add Packages

Add Package Collaboration Diagram

Thank You