

Sequence 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)

Election (admin) UI

The screenshot shows the ManageCasa admin dashboard with the 'Election' section selected in the sidebar. The main area displays a list of running elections:

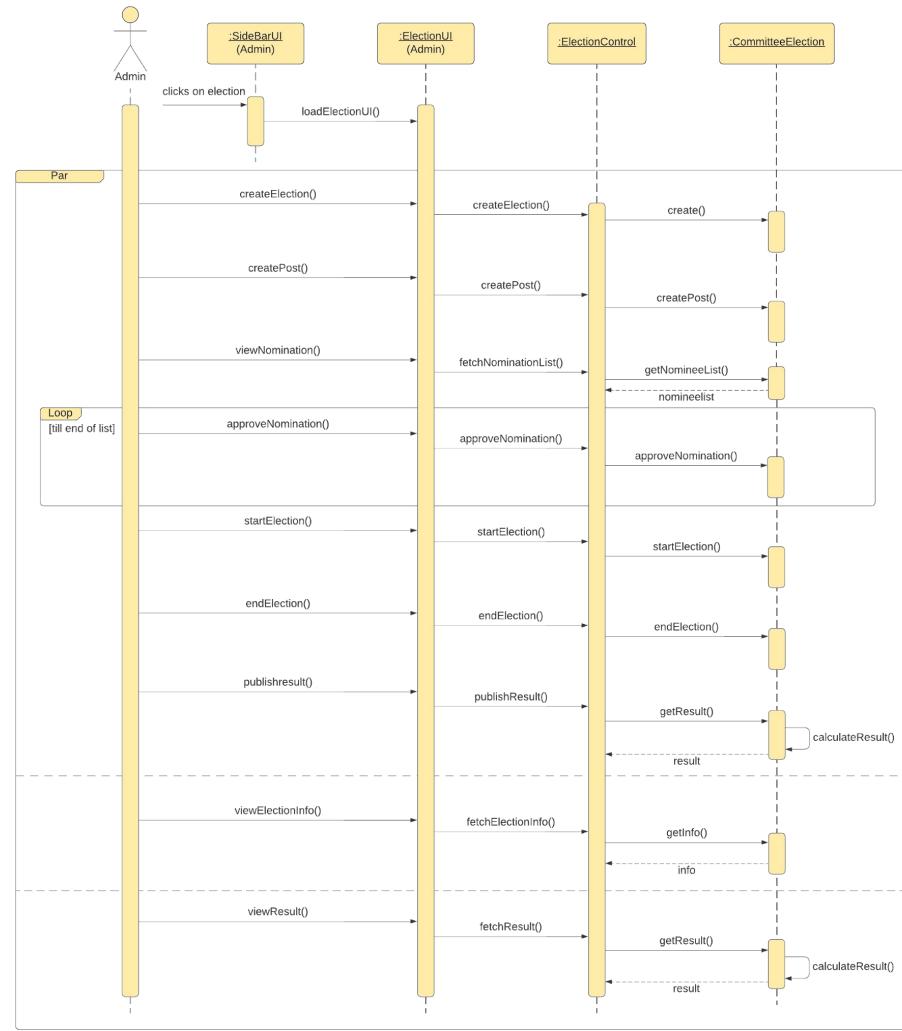
- President**: Status: Running. Start time: 18:55 PM - Jul 15, 2021. End time: 18:55 PM - Jul 15, 2021.
- Secretary**: Status: Nomination Phase. Start time: 18:55 PM - Jul 15, 2021. End time: 18:55 PM - Jul 15, 2021.
- What is Lorem Ipsum?**: Status: Ended. Start time: 18:55 PM - Jul 15, 2021. End time: 18:55 PM - Jul 15, 2021.
- What is Lorem Ipsum?**: Status: Ended. Start time: 18:55 PM - Jul 15, 2021. End time: 18:55 PM - Jul 15, 2021.
- What is Lorem Ipsum?**: Status: Ended. Start time: 18:55 PM - Jul 15, 2021. End time: 18:55 PM - Jul 15, 2021.

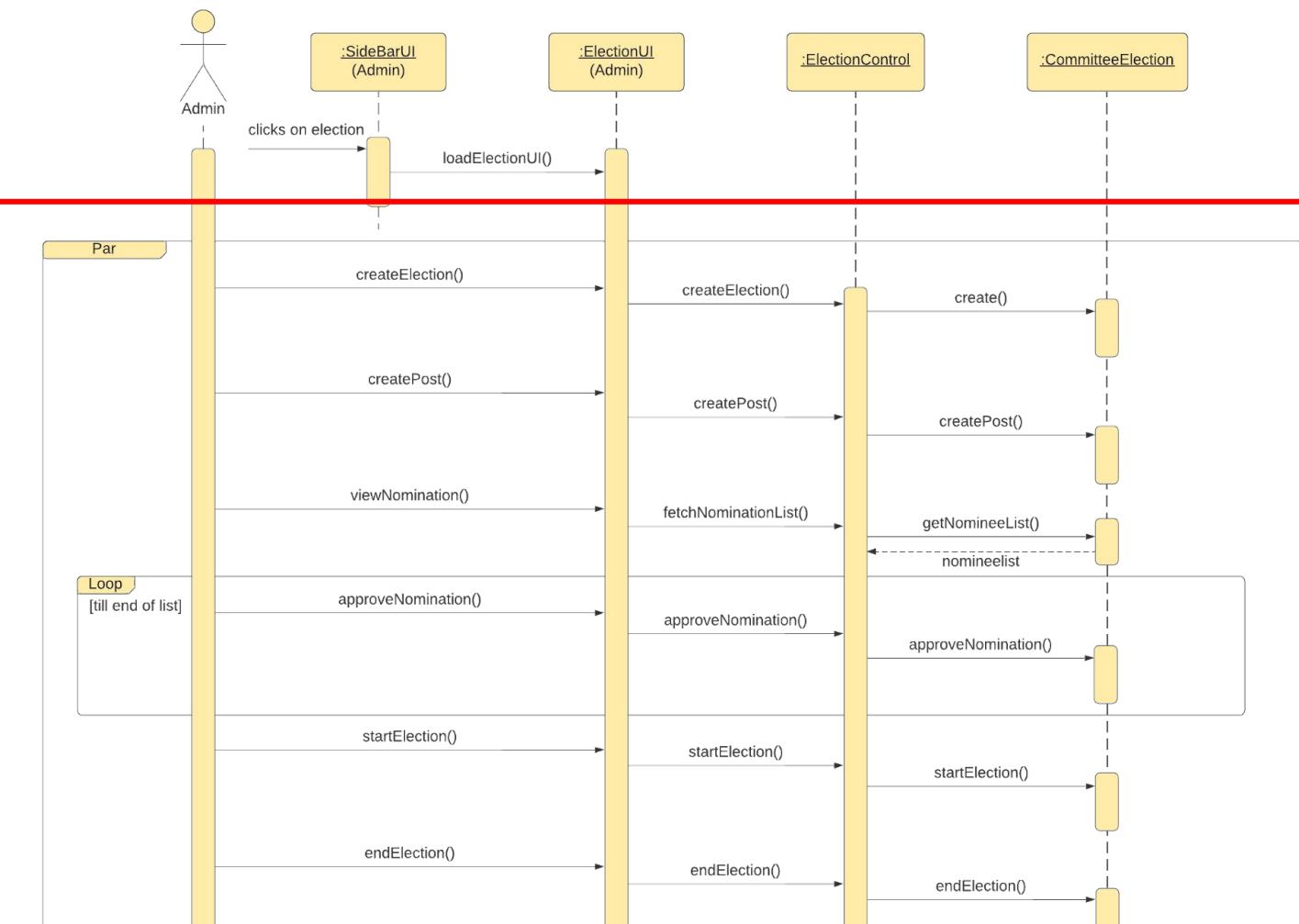
A 'Create New' button is located at the top right of the election list.

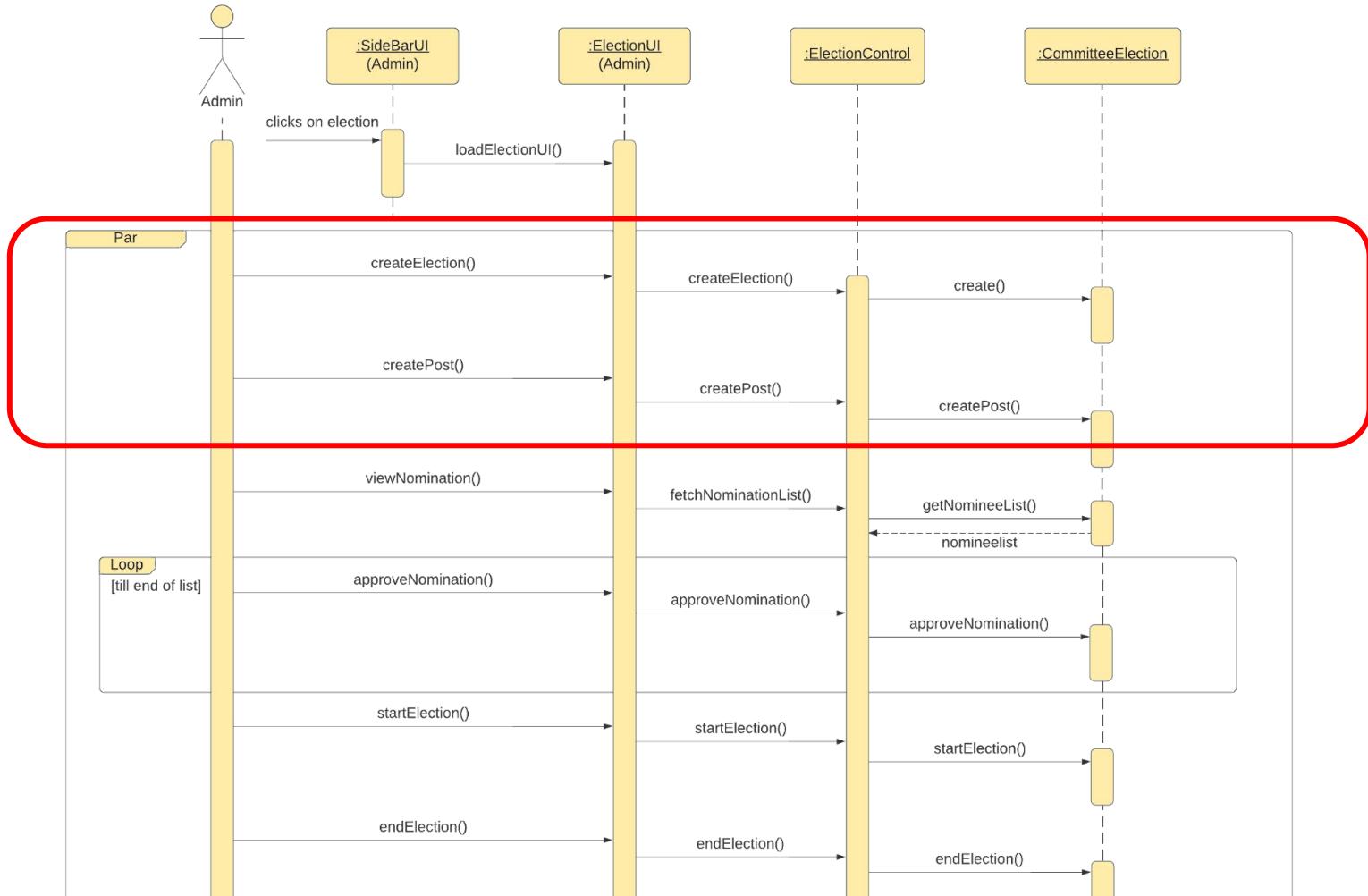
The screenshot shows the 'Create New Committee Election' dialog box. The sidebar on the left lists various committee member categories. The 'Committee Member Position' dropdown is set to 'Select member position'. The nomination and voting times are all set to 18:55 PM - Jul 15, 2021. A purple 'create' button is visible at the bottom right.

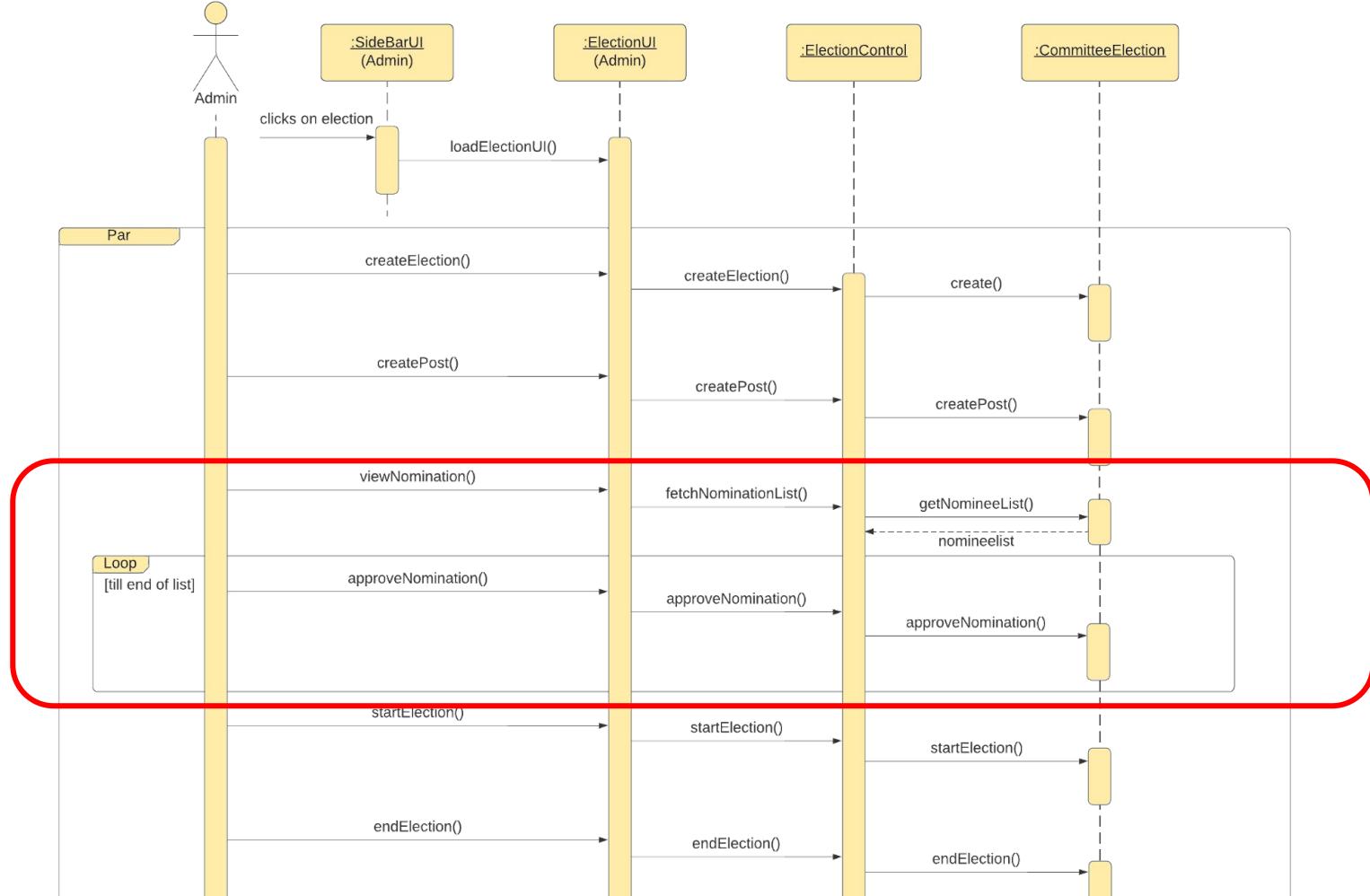
The screenshot shows the 'Create New Committee Election' dialog box with specific member positions selected: President, Secretary, and Cashier. The nomination and voting times are all set to 18:55 PM - Jul 15, 2021. A purple 'create' button is visible at the bottom right.

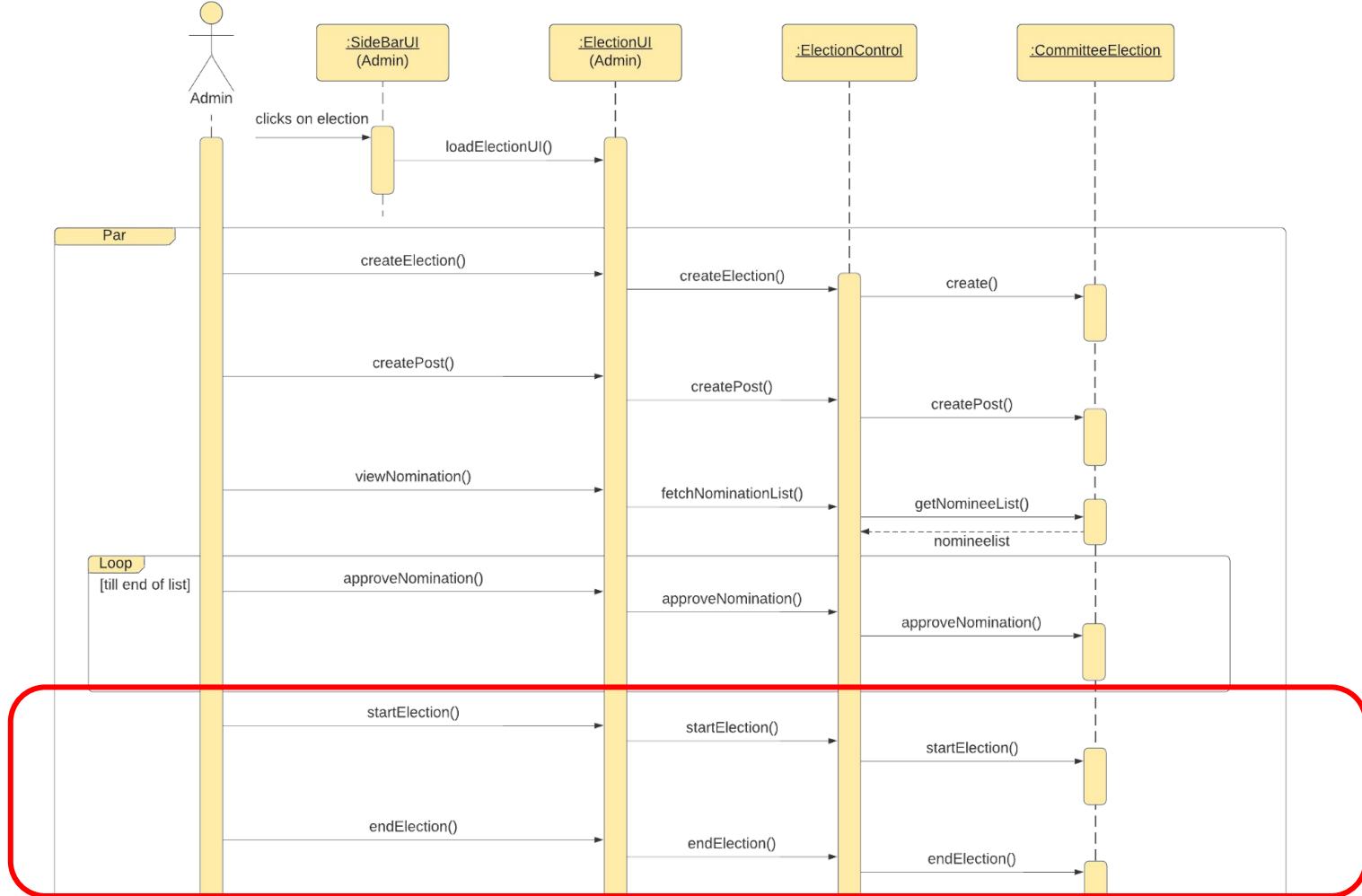
Full Diagram



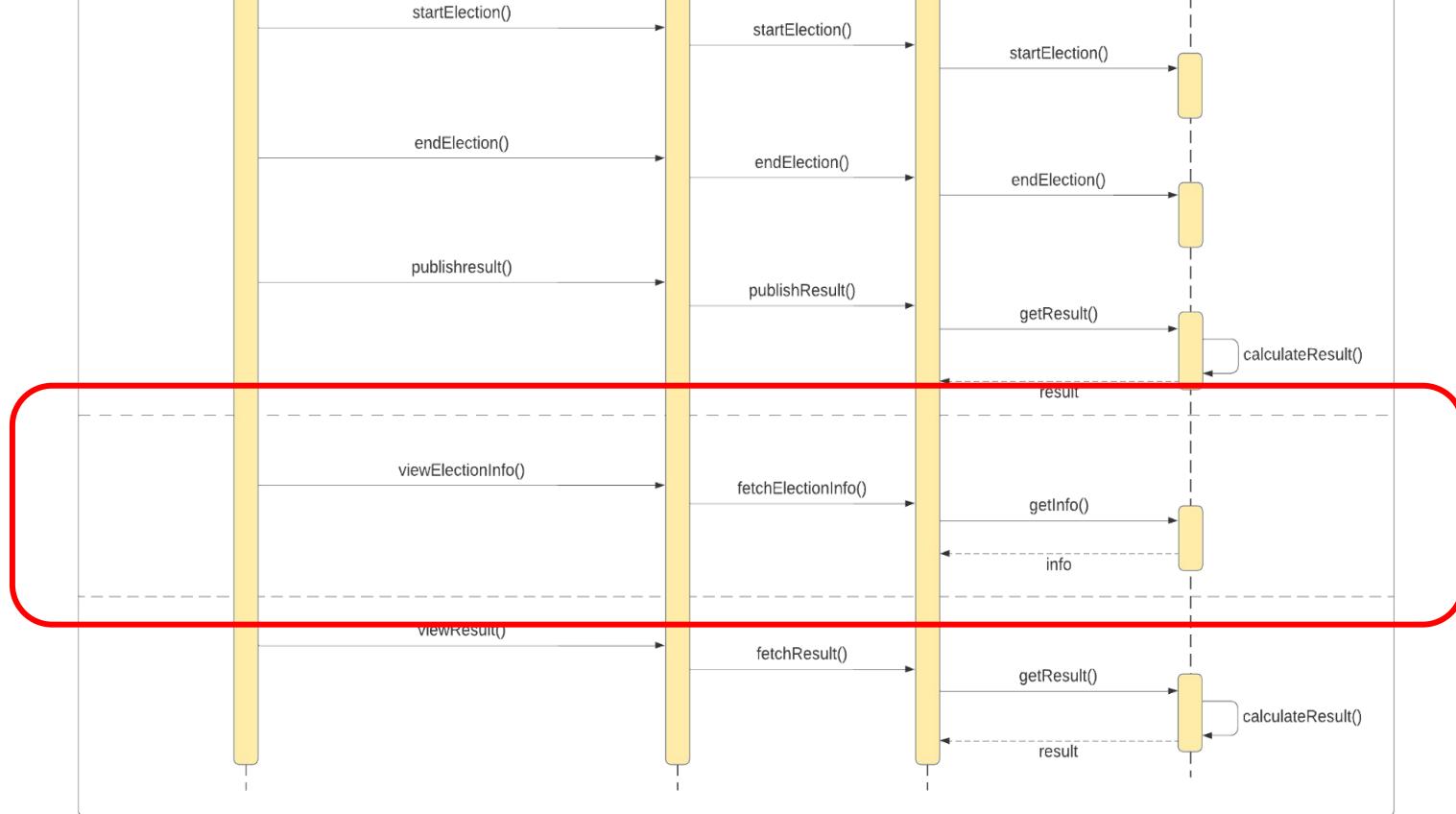














Election (Flat Owner)

Election (flat owner) UI

9:27

ManageCasa 1A 1000, New Road, Shako

Poll Committee Election

Running

President

Start time : 18:55 PM - Jul 15, 2021
End time : 18:55 PM - Jul 15, 2021

Nomination Phase

Secretary

Start time : 18:55 PM - Jul 15, 2021
End time : 18:55 PM - Jul 15, 2021

Ended

What is Lorem Ipsum?

Start time : 18:55 PM - Jul 15, 2021
End time : 18:55 PM - Jul 15, 2021

Ended

What is Lorem Ipsum?

Start time : 18:55 PM - Jul 15, 2021
End time : 18:55 PM - Jul 15, 2021

9:27

ManageCasa 1A 1000, New Road, Shako

Poll Committee Election

Nomination Phase

Committee Election

Committee Member Position :

Nomination Start time : 18:55 PM - Jul 15, 2021
Nomination End time : 18:55 PM - Jul 15, 2021
Voting Start time : 18:55 PM - Jul 15, 2021
Voting End time : 18:55 PM - Jul 15, 2021

Nominees

Nomination phase ends in : 18:55:25

	Antwi Apartment no. A1	Approved
	Antwi Apartment no. A1	Approval pending
	Antwi Apartment no. A1	Approval pending
	Antwi Apartment no. A1	Approval pending

Nominate yourself

9:27

ManageCasa 1A 1000, New Road, Shako

Poll Committee Election

Running

Committee Election

Committee Member Position :

Nomination Start time : 18:55 PM - Jul 15, 2021
Nomination End time : 18:55 PM - Jul 15, 2021
Voting Start time : 18:55 PM - Jul 15, 2021
Voting End time : 18:55 PM - Jul 15, 2021

Candidates

Voting phase ends in : 18:55:25

	Antwi Apartment no. A1	Approved
	Antwi Apartment no. A1	Approval pending
	Antwi Apartment no. A1	Approval pending
	Antwi Apartment no. A1	Approval pending

submit vote

9:27

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Poll Committee Election

Ended

Committee Election

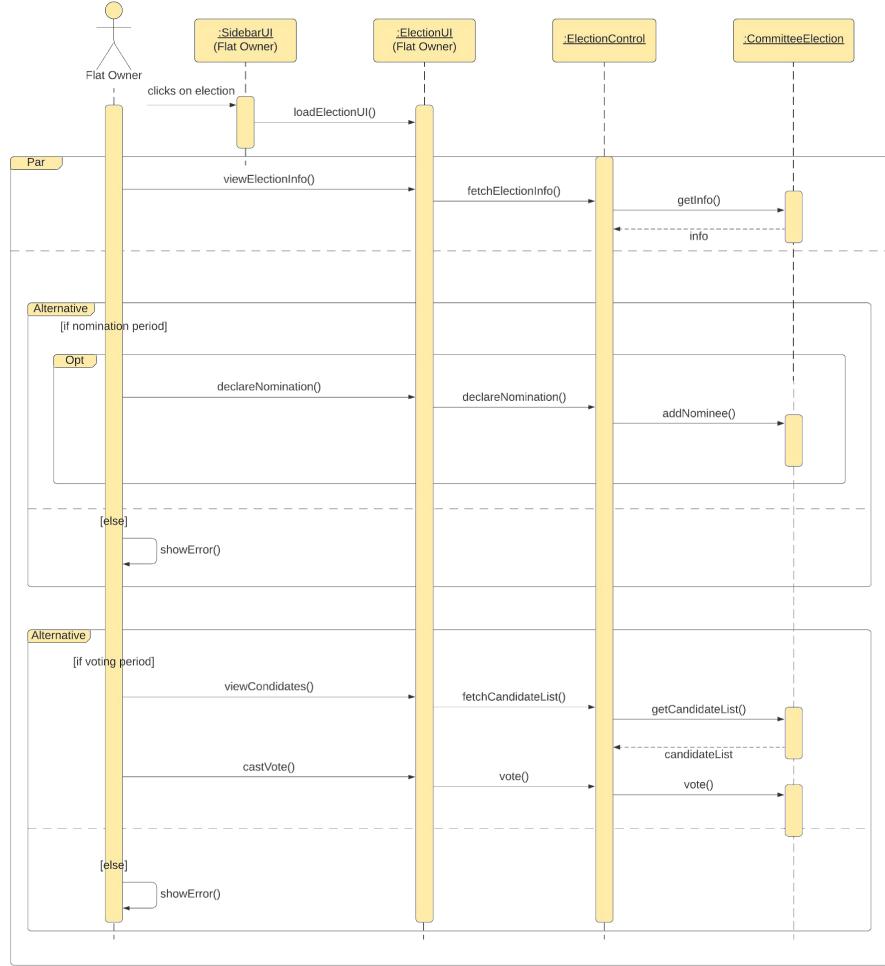
Committee Member Position :

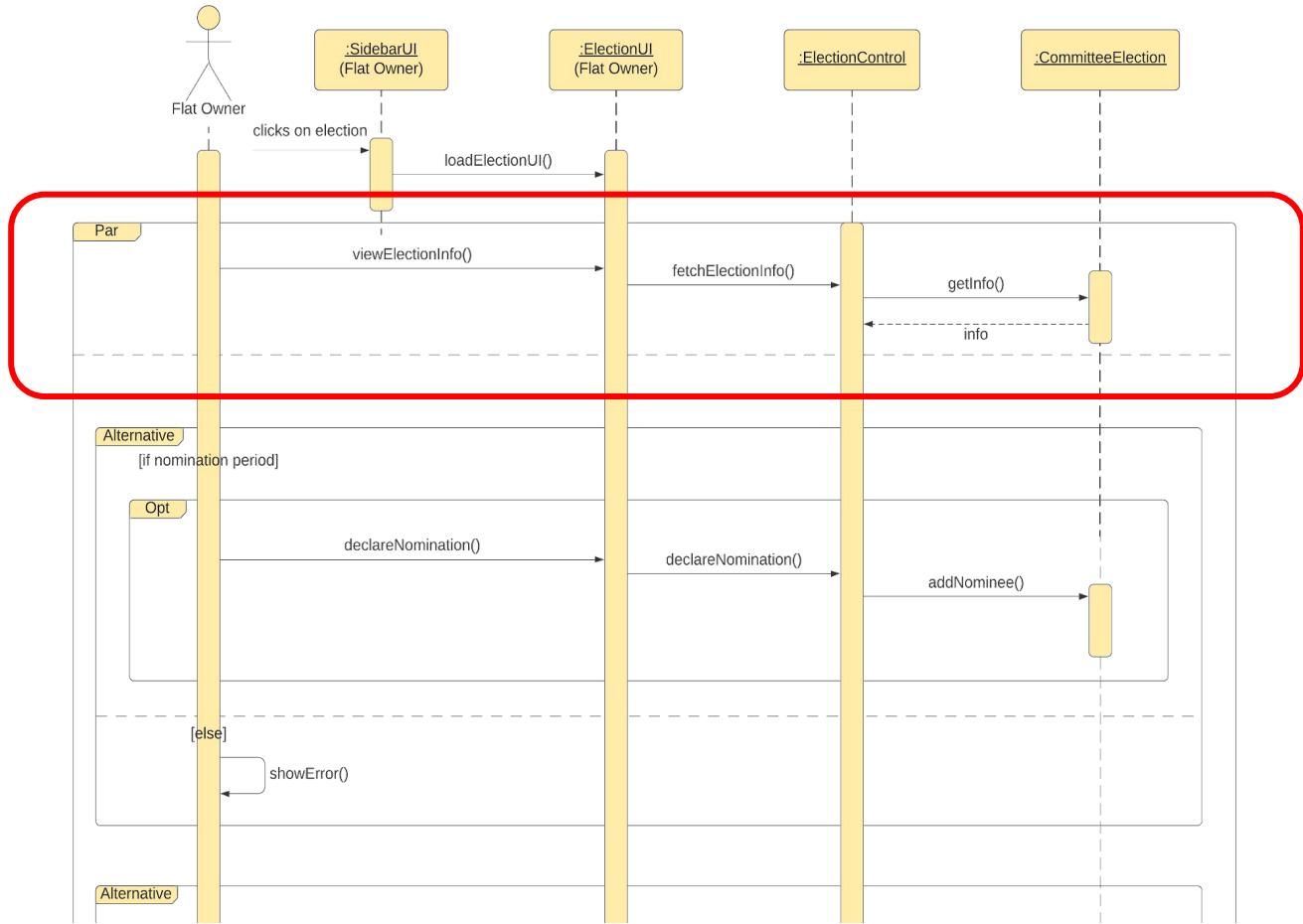
Nomination Start time : 18:55 PM - Jul 15, 2021
Nomination End time : 18:55 PM - Jul 15, 2021
Voting Start time : 18:55 PM - Jul 15, 2021
Voting End time : 18:55 PM - Jul 15, 2021

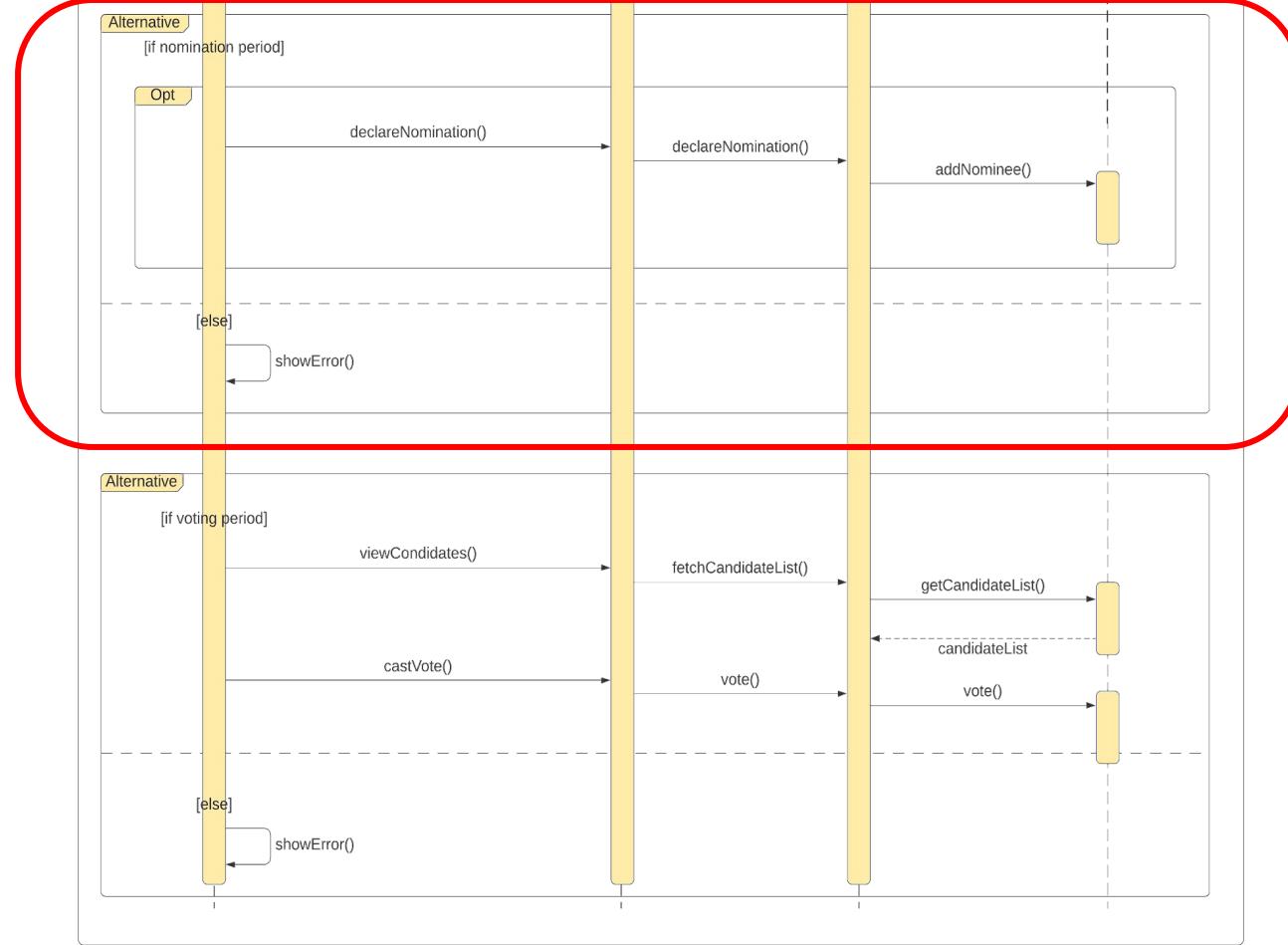
Result

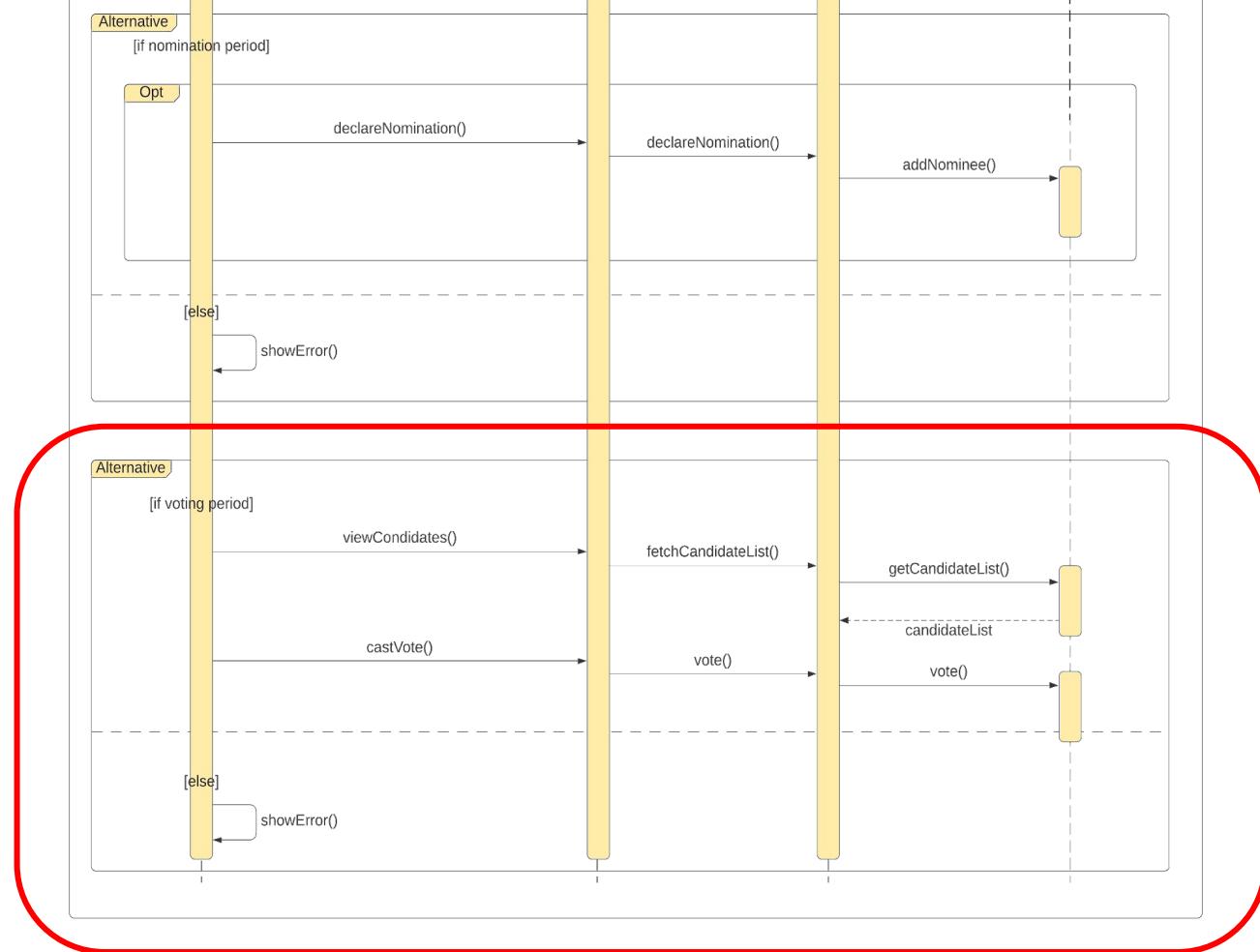
	Antwi Apartment no. A1	21/115
	Antwi Apartment no. A1	21/115
	Antwi Apartment no. A1	21/115
	Antwi Apartment no. A1	21/115

Full Diagram









Poll (Admin)

Poll (admin) UI

ManageCasa

100/A, New Road, Dhaka Admin Access

Poll Committee Election

< July 2021 > All

Create New

Running As the number of covid positive cases is rising again at an alarming rate, do you think it's plausible to consider shifting back to online class? 18:55 PM - Jul 15, 2021

Running What is Lorem Ipsum? 18:55 PM - Jul 15, 2021

Ended What is Lorem Ipsum? 18:55 PM - Jul 15, 2021

Ended What is Lorem Ipsum? 18:55 PM - Jul 15, 2021

Ended What is Lorem Ipsum? 18:55 PM - Jul 15, 2021

Dashboard Apartments Committee Members Owners Tenants Employees Service Providers Forum Finance Complaints Notice Election Visitors

ManageCasa

100/A, New Road, Dhaka

Poll Committee Election

Topic: Why do we use it? (@ Ended)

Description: It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with

Start time: 18:55 PM - Jul 15, 2021

End time: 18:55 PM - Jul 15, 2021

Total number of participants: 27

Result:

Option	Participants
Option 1	10/27
Option 2	13/27
Option 3	4/27

back

Dashboard Apartments Committee Members Owners Tenants Employees Service Providers Forum Finance Complaints Notice Election Visitors

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100/A, New Road, Dhaka

Poll Committee Election

Topic: Why do we use it?

Description: It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with

Start time: 18:55 PM - Jul 15, 2021

End time: 18:55 PM - Jul 15, 2021

Poll options:

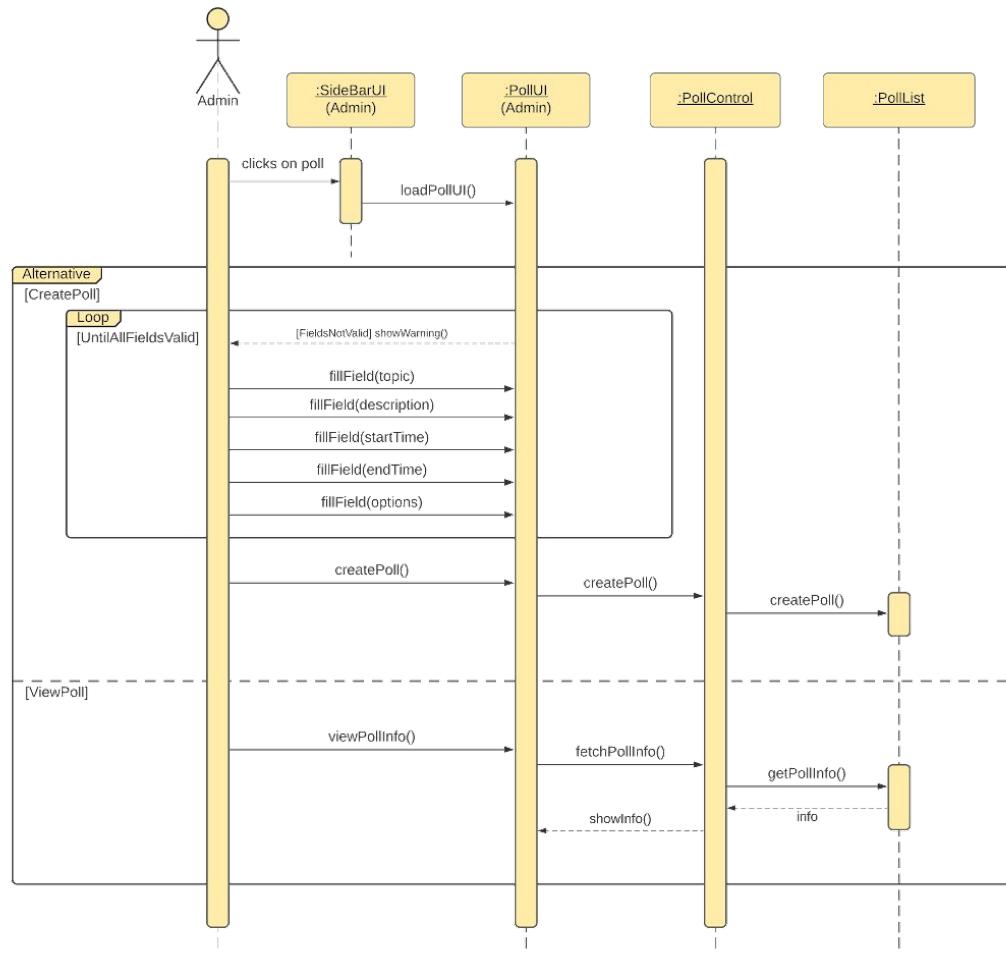
- Option 1
- Option 2
- Option 3

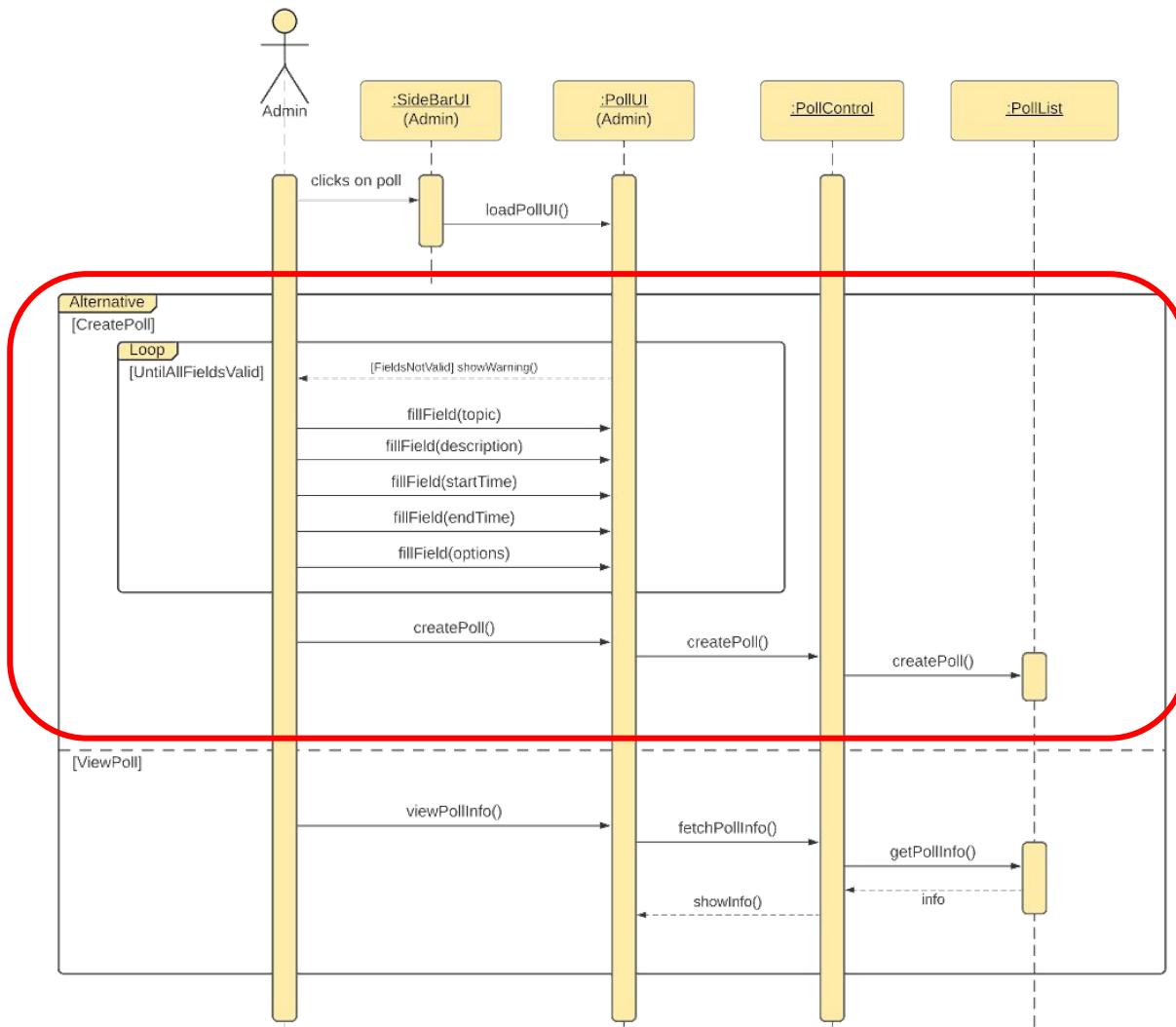
Option 4 Add

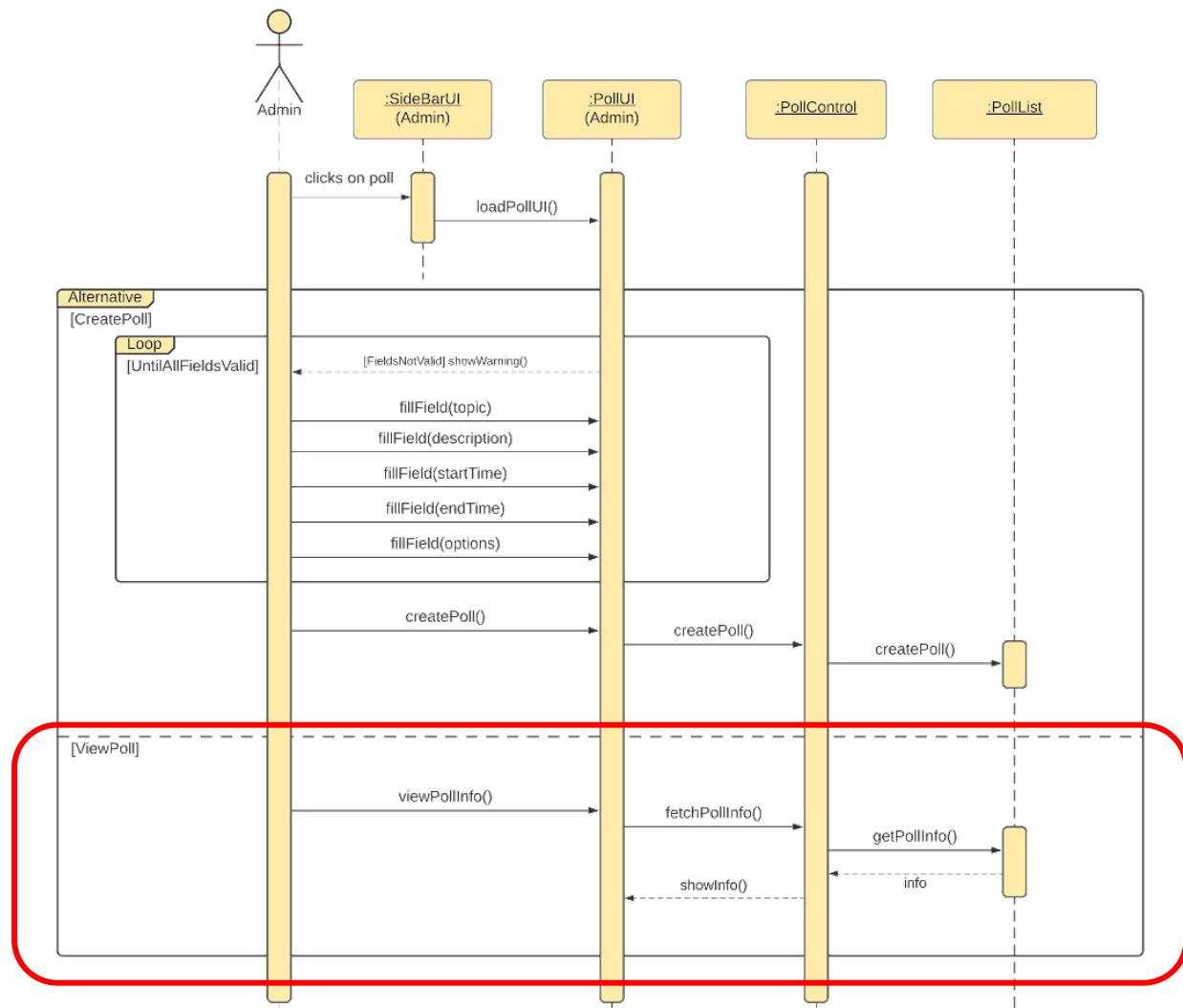
Create Poll

Dashboard Apartments Committee Members Owners Tenants Employees Service Providers Forum Finance Complaints Notice Election Visitors

Full Diagram







Poll (User)

Poll (user) UI

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Poll Committee Election

< July 2021 > All

Running As the number of covid positive cases is rising again at an alarming rate, do you think it's plausible to consider shifting back to online class? 18:55 PM - Jul 15, 2021

Running What is Lorem Ipsum? 18:55 PM - Jul 15, 2021

Ended What is Lorem Ipsum? 18:55 PM - Jul 15, 2021

Ended What is Lorem Ipsum? 18:55 PM - Jul 15, 2021

Ended What is Lorem Ipsum? 18:55 PM - Jul 15, 2021

Dashboard Apartments Committee Members Owners Tenants Employees Service Providers Forum Finance Complaints Notice Election Visitors

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Poll Committee Election (@ Ended)

Topic: Why do we use it?

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Start time: 18:55 PM - Jul 15, 2021

End time: 18:55 PM - Jul 15, 2021

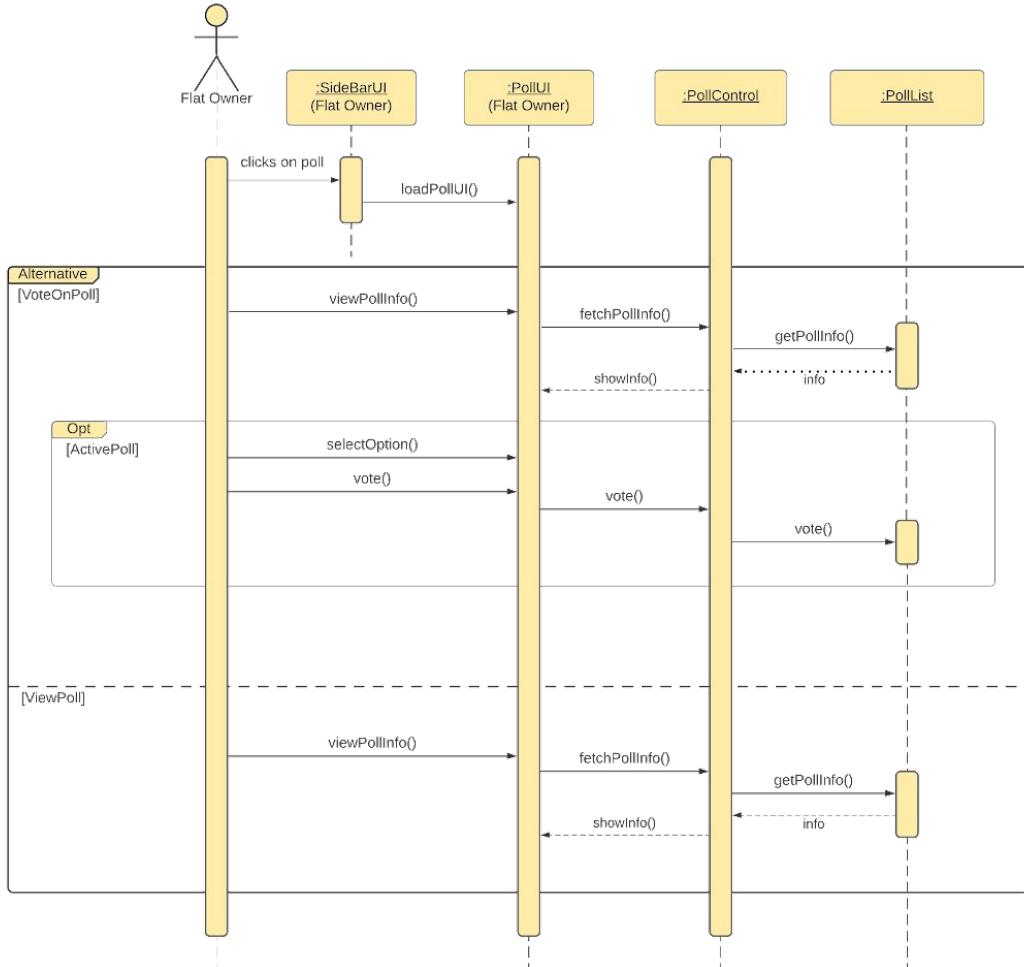
Total number of participants: 27

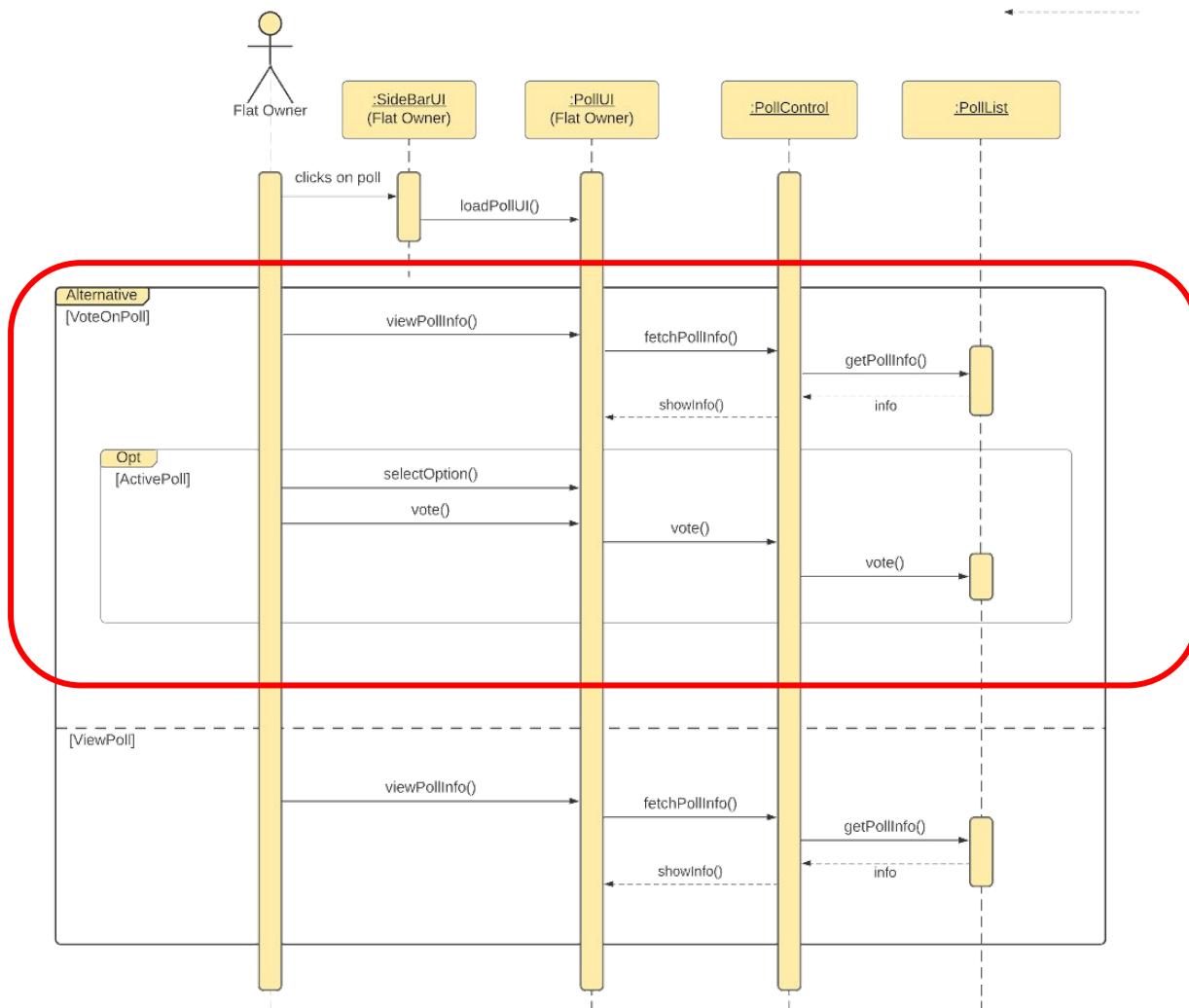
Result:

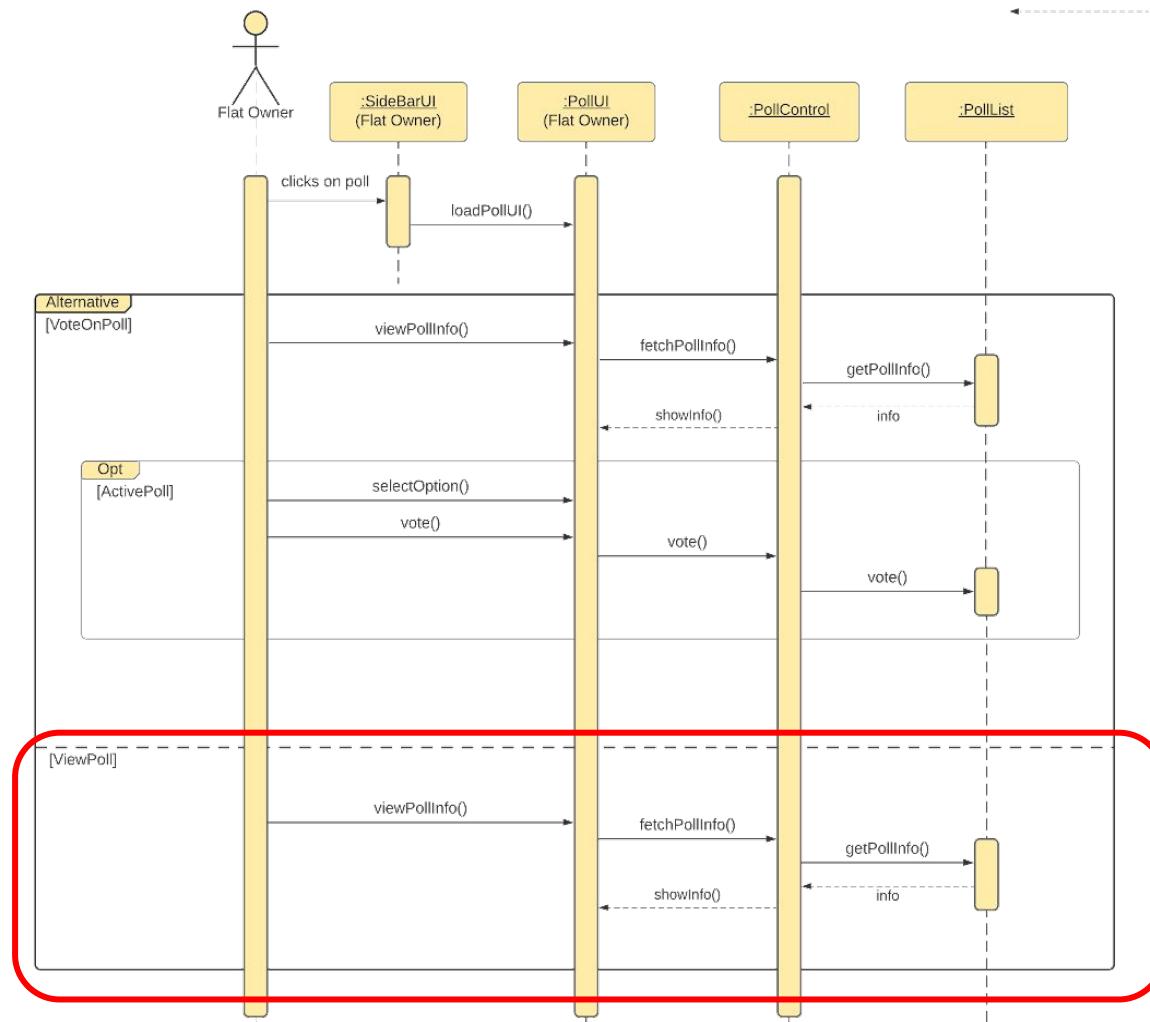
Option	Participants
Option 1:	10/27
Option 2:	13/27
Option 3:	4/27

back

Full Diagram







Admin Finance

Admin Finance UI

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100/A, New Road, Dhaka
Admin Access

Service Charge Fund **Expense Statistics**

Service Charge Fund

Total Fund : **₹ 21,03,40,020**

Current Payable Amount : **₹ 5,000**

Update Service Charge

Collection Log **July 2021** **Month** **Download PDF**

APARTMENT NO.	DATE	PAYABLE MOUNT	PAID	DUE
1A	1/7/2021	5000	5000	0
2A	3/7/2021	5000	5000	0
3A	2/7/2021	15000	5000	10000
1B	5/7/2021	5000	5000	0
1C	-	5000	0	5000
1A	1/7/2021	5000	5000	0
1A	1/7/2021	5000	5000	0
1A	1/7/2021	5000	5000	0

Dashboard **Apartments** **Committee Members** **Owners** **Tenants** **Employees** **Service Providers** **Forum** **Finance** **Complaints** **Notice** **Election** **Visitors**

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Service Charge Fund **Expense Statistics**

Expense Log **July 2021** **Month** **Download PDF**

S/L NO.	DATE	PURPOSE	AMOUNT	COMMENT
1	1/7/2021	WATER BILL	5000	-
2	3/7/2021	ELECTRICITY BILL	5000	-
3	2/7/2021	GENERATOR FUEL	800	FUEL COST INCREASED
4	5/7/2021	ELEVATOR REPAIR	6000	-
5	5/7/2021	EMPLOYEE SALARY	25000	-

Add Expense

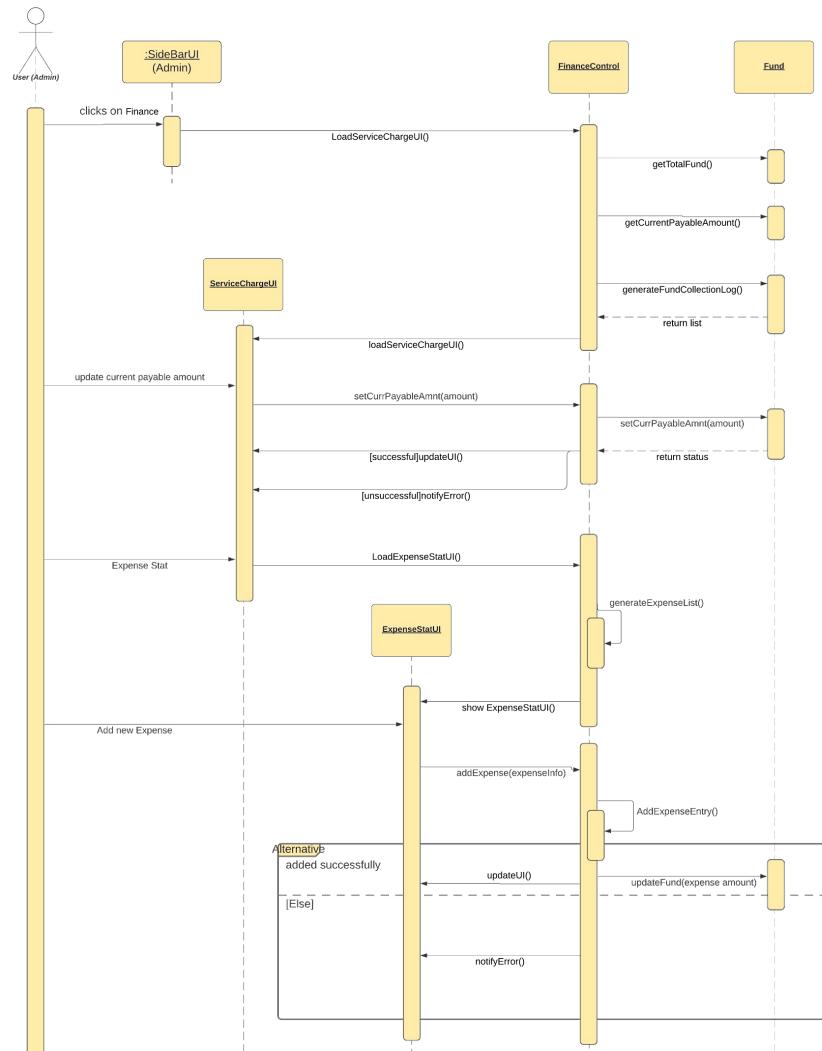
Expense Summary : **July 2021** **Month**

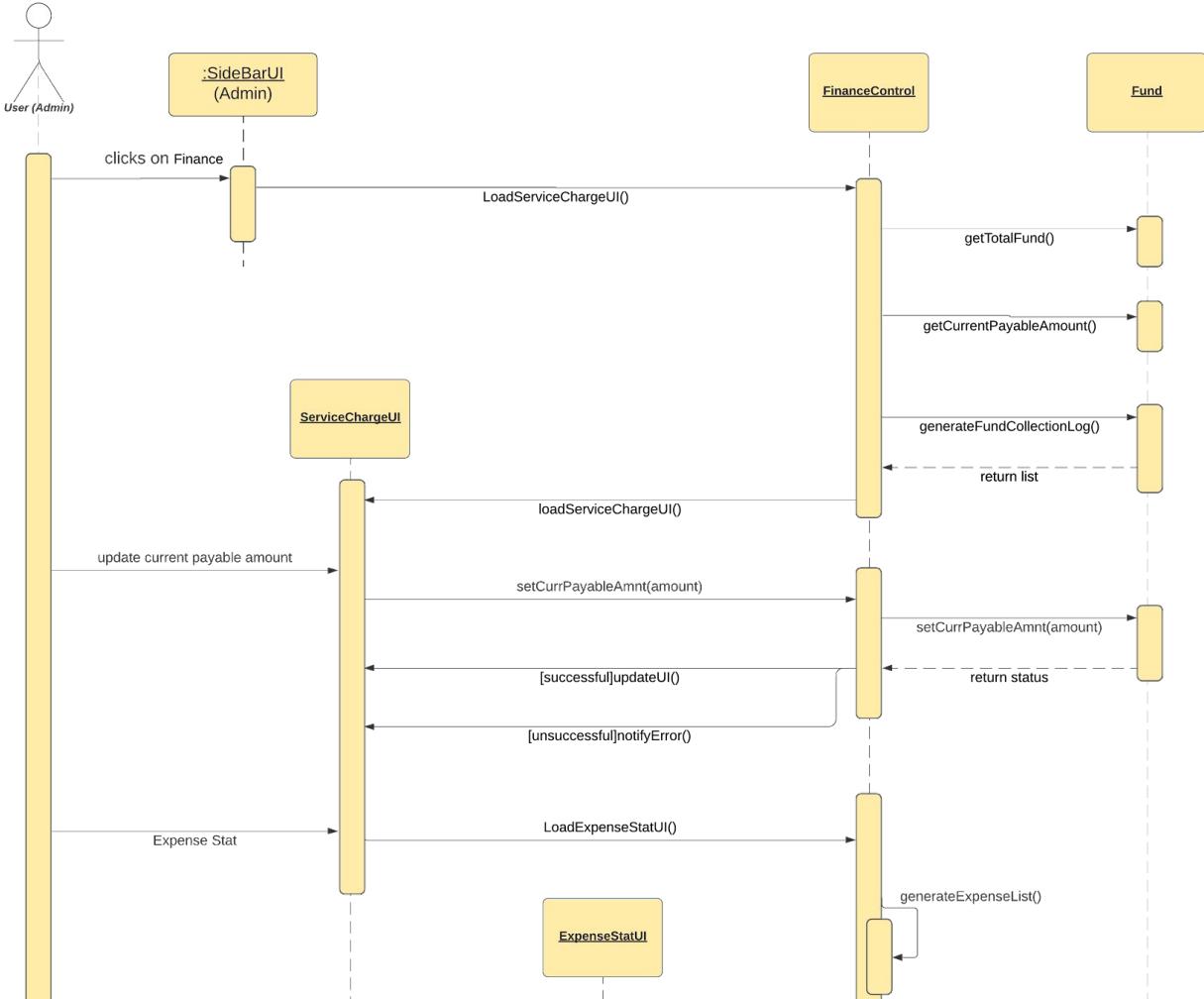
Category	Amount
Water bill	12,423
Electricity Bill	12,423
Generator Fuel	12,423
Employee Salary	12,423

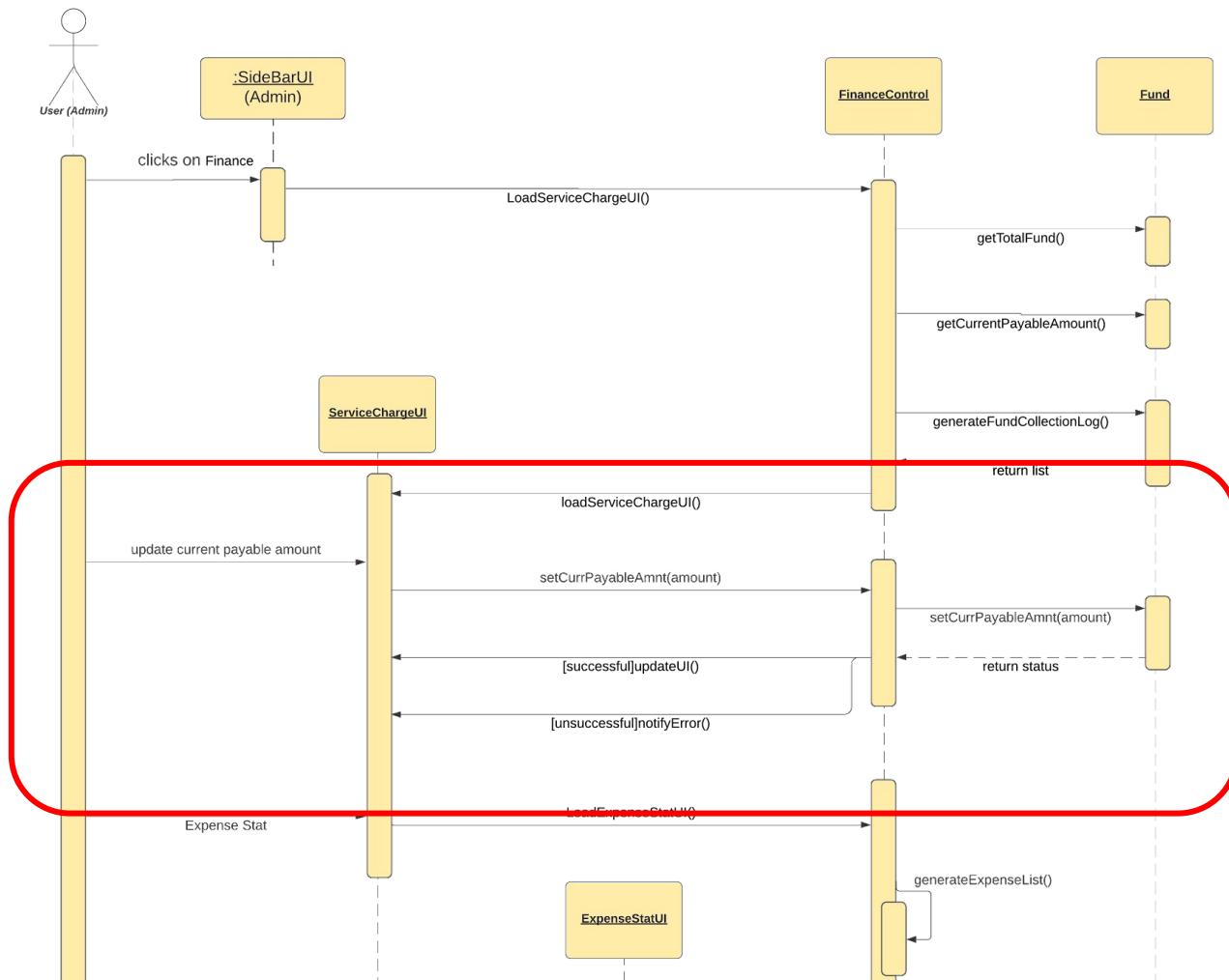
Monthly Expense Comparison : **2021** **Month**

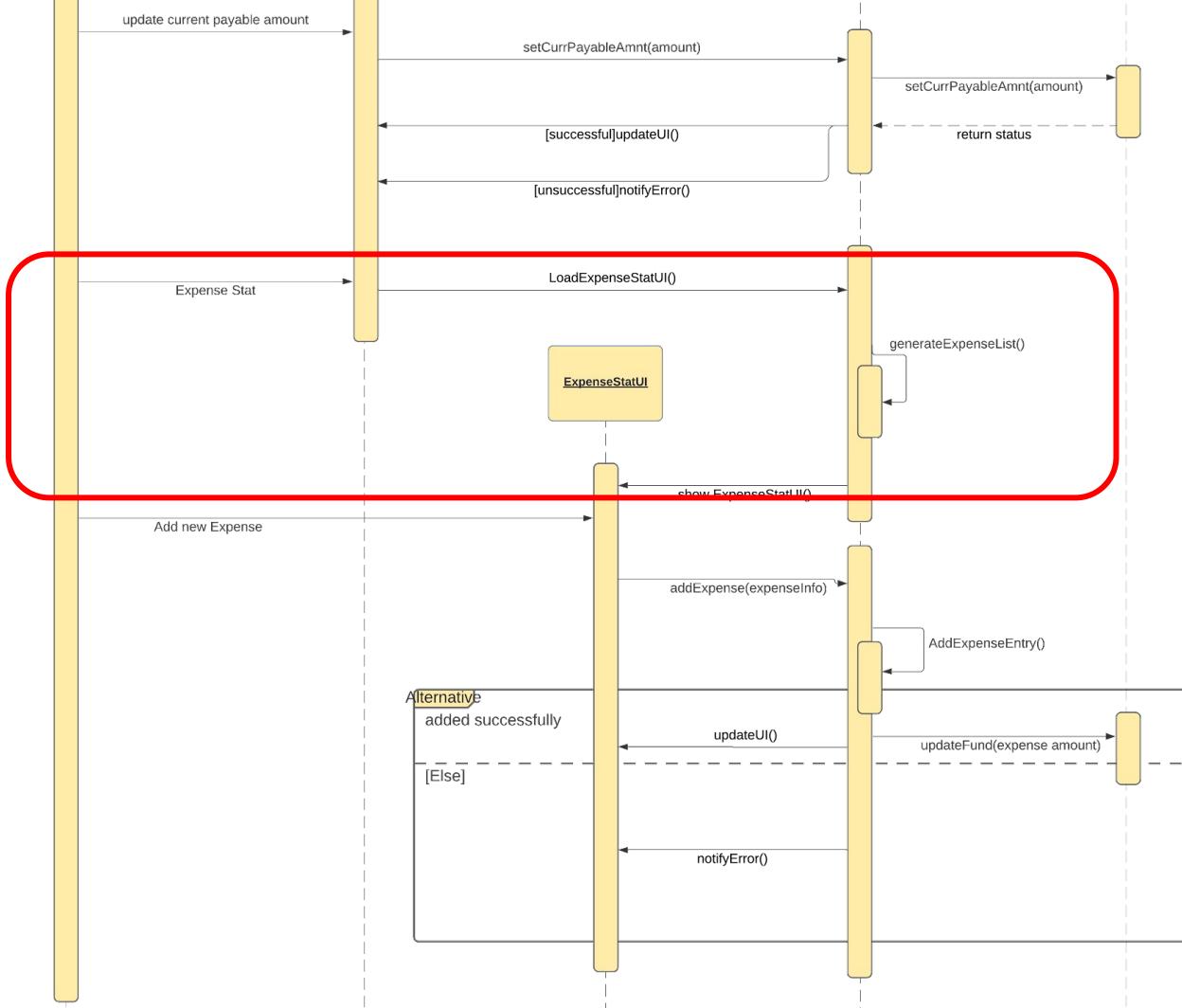
Jan Feb Mar Apr May June July Aug

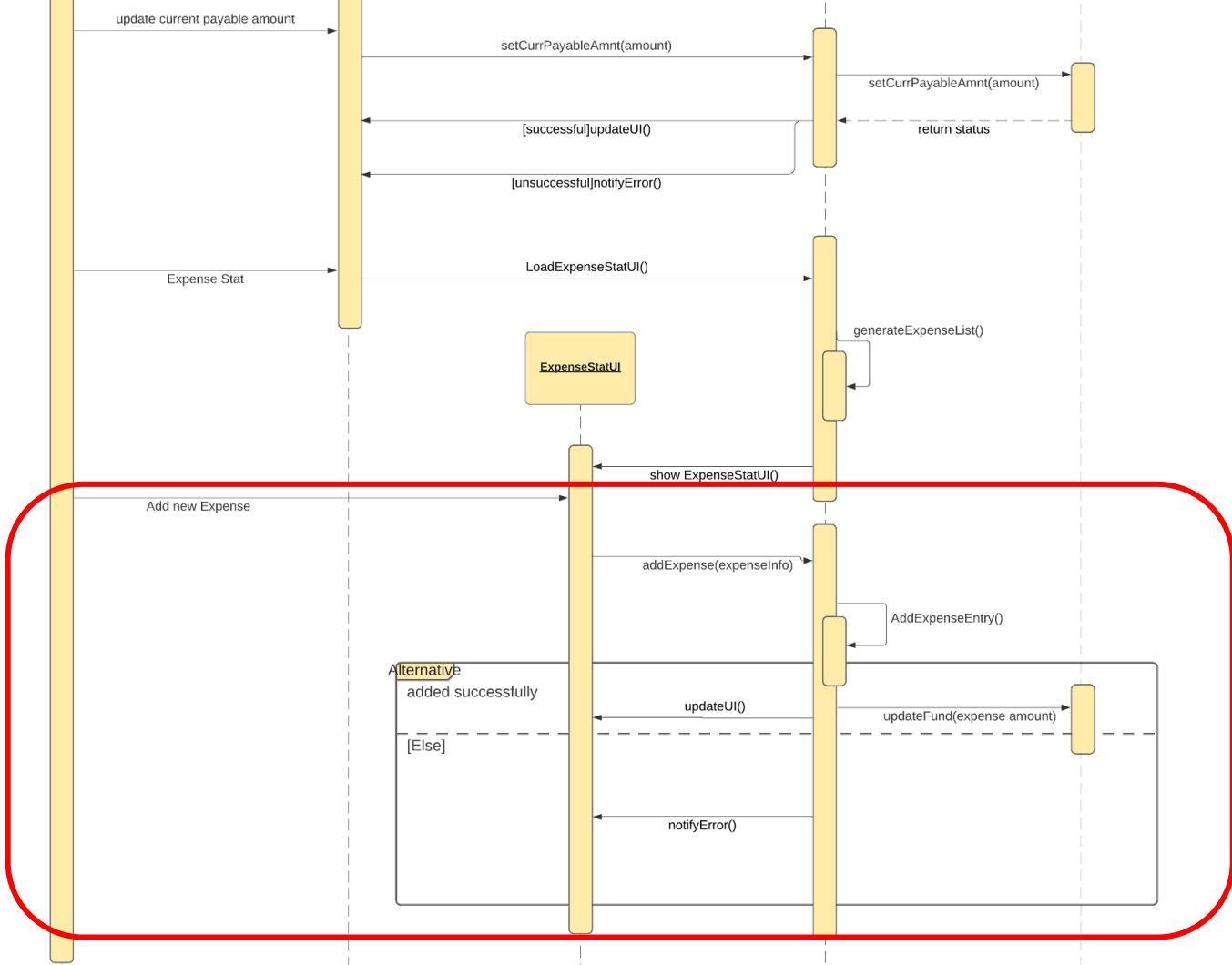
Full Diagram





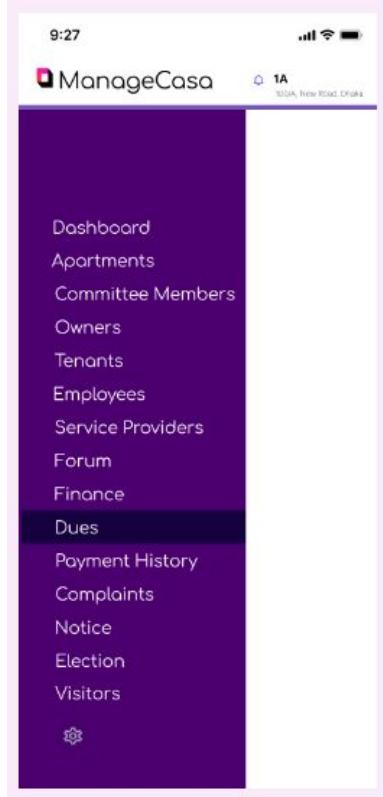






Bill Pay

Bill Pay UI



Dues		
Field	Amount	
Service Charge	1500/-	<input type="checkbox"/>
Electricity Bill	1500/-	<input type="checkbox"/>
Service Charge	1500/-	<input type="checkbox"/>
Service Charge	1500/-	<input type="checkbox"/>
Service Charge	1500/-	<input type="checkbox"/>
Service Charge	1500/-	<input type="checkbox"/>

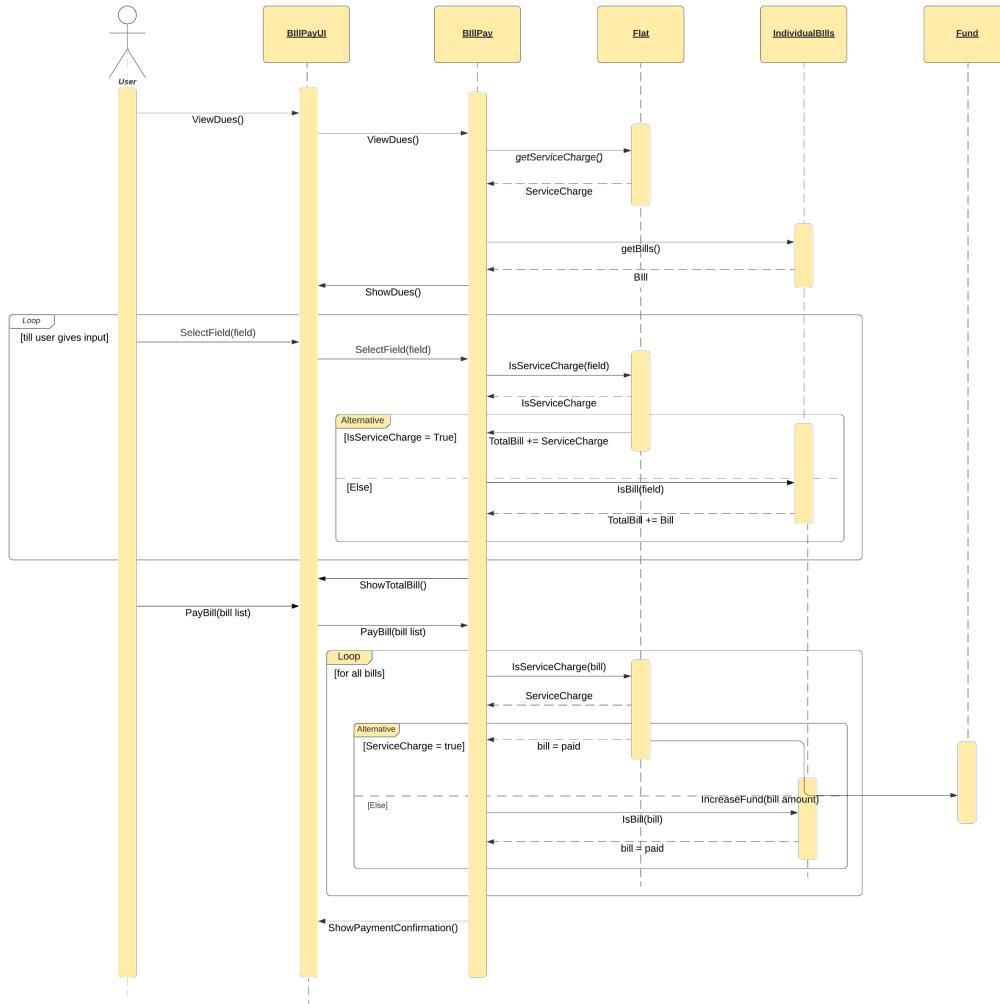
Dues		
Field	Amount	
Service Charge	1500/-	<input checked="" type="checkbox"/>
Electricity Bill	1500/-	<input type="checkbox"/>
Gas Bill	700/-	<input checked="" type="checkbox"/>
Internet Bill	900/-	<input checked="" type="checkbox"/>
Service Charge	1500/-	<input type="checkbox"/>
Service Charge	1500/-	<input type="checkbox"/>

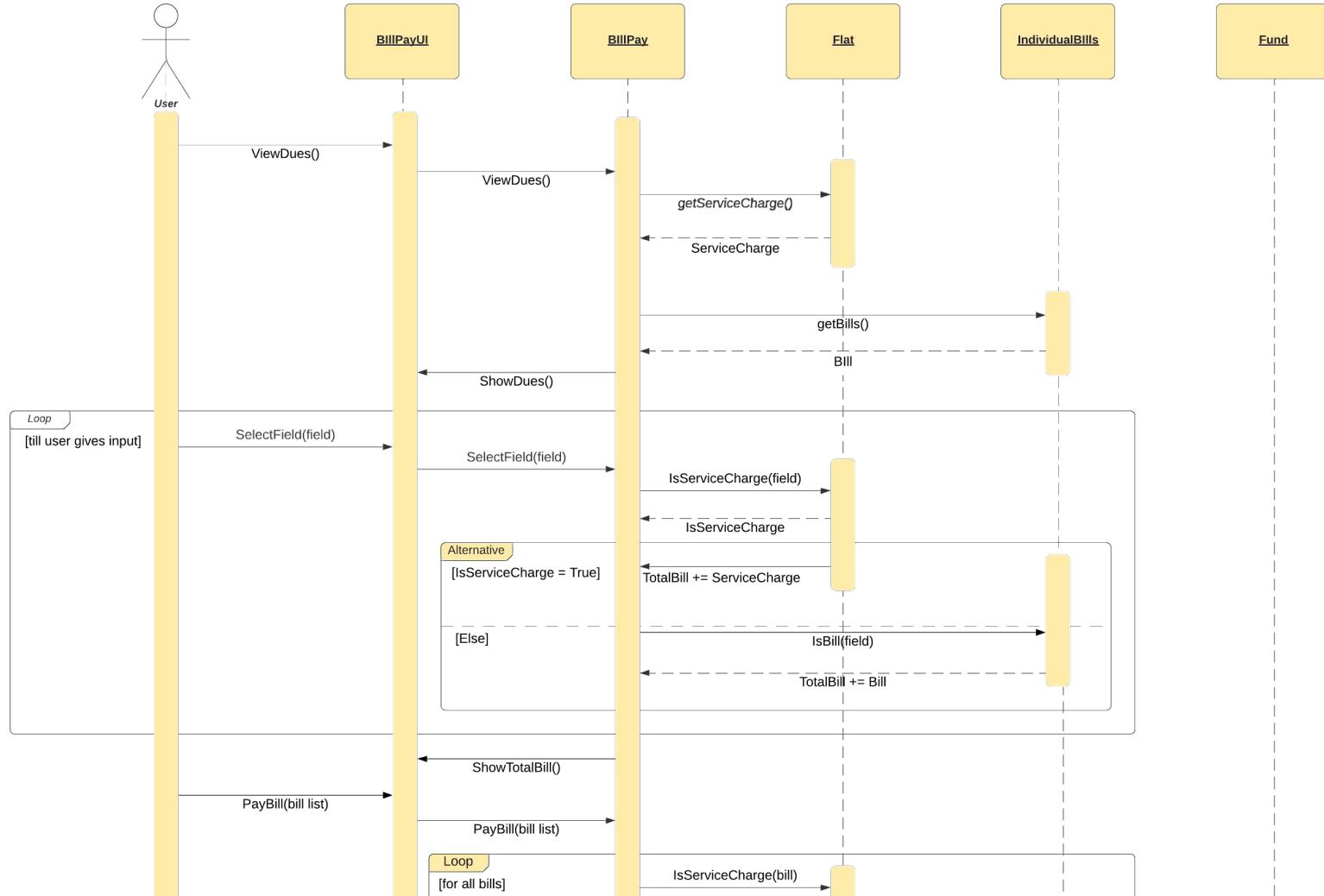
Total Bill 3100/-

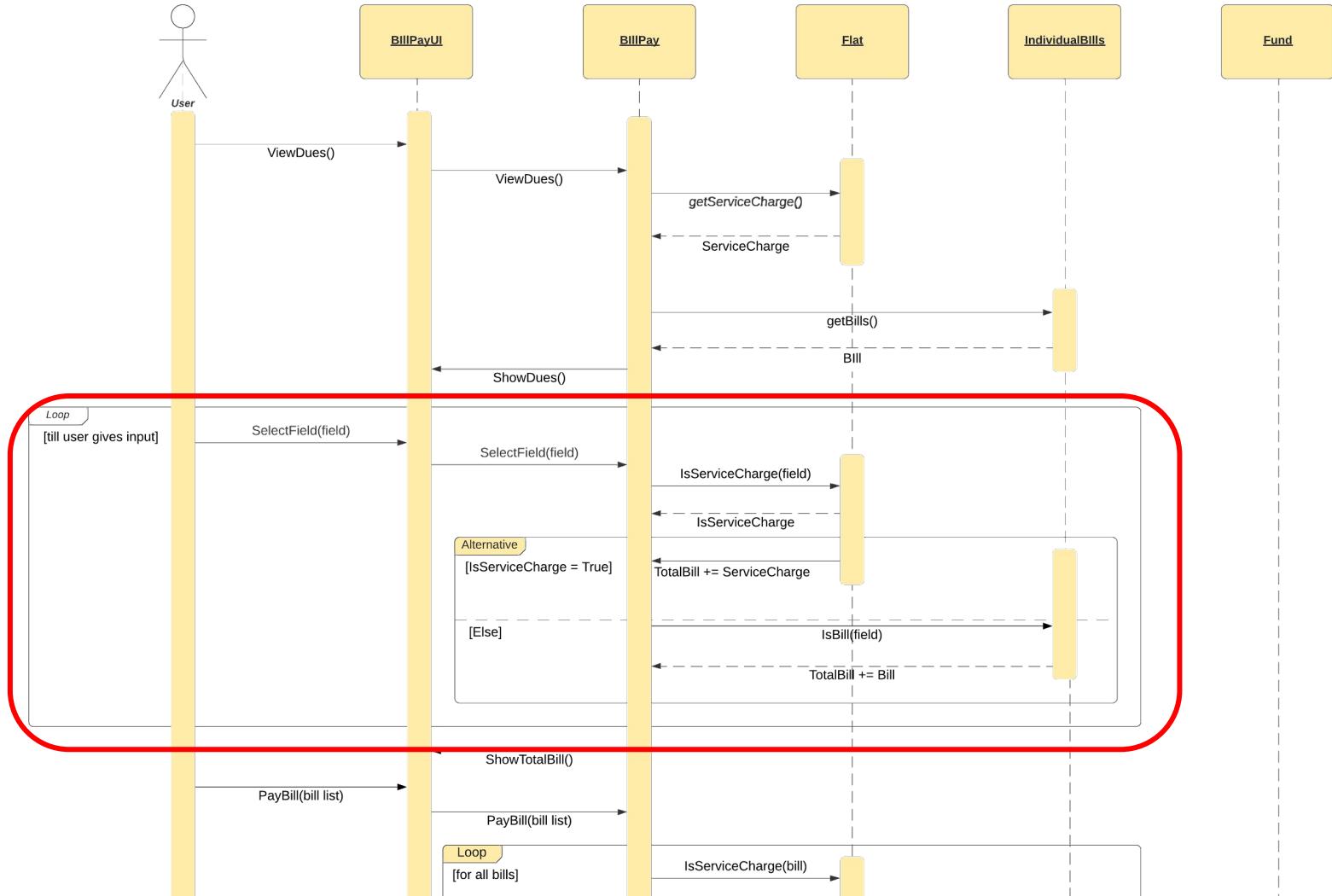
Choose Option:

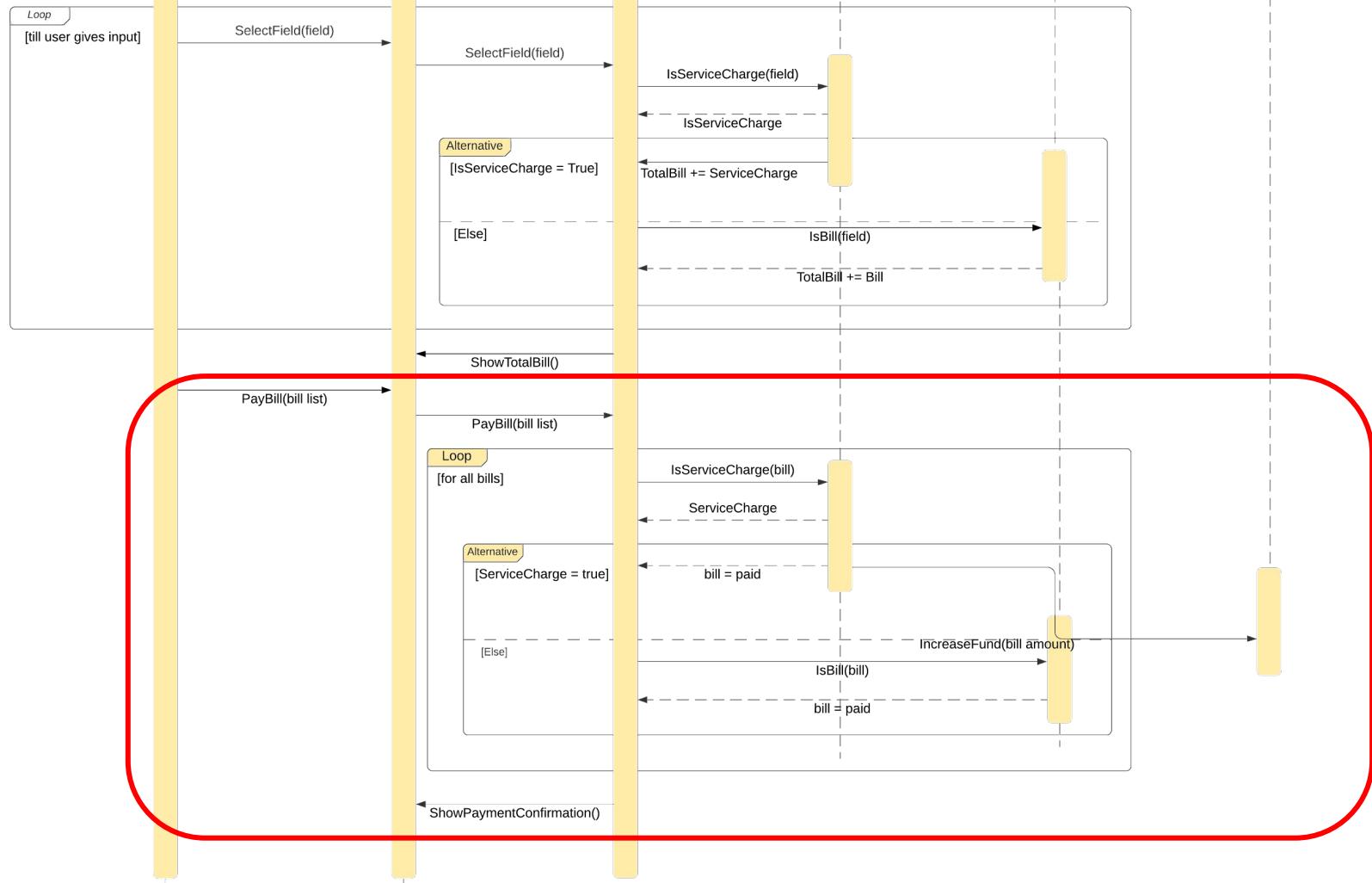
bKash 

Full Diagram









Add Apartment

Apartment UI

 ManageCasa

100/A, New Road, Dhaka
Admin Access

[Dashboard](#)

[Apartments](#) **Selected**

[Committee Members](#)

[Owners](#)

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[Employees](#)

[Service Providers](#)

[Forum](#)

[Finance](#)

[Complaints](#)

[Notice](#)

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[Visitors](#)

[Add New Apartment](#)

Apartments

1st Floor

1A Owner: Voldemort	1B Owner: Voldemort	1C Owner: Voldemort	1D Owner: Voldemort
--	--	--	--

2nd Floor

2A Owner: Voldemort	2B Owner: Voldemort	2C Owner: Voldemort	2D Owner: Voldemort
--	--	--	--

3rd Floor

3A Owner: Voldemort	3B Owner: Voldemort	3C Owner: Voldemort
--	--	--

 ManageCasa

100/A, New Road, Dhaka
Admin Access

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2B

Owner

Name :	Voldemort
Email :	Voldemort@gmail.com
Mobile no. :	01234567899
BKash acc. no. :	01234567899

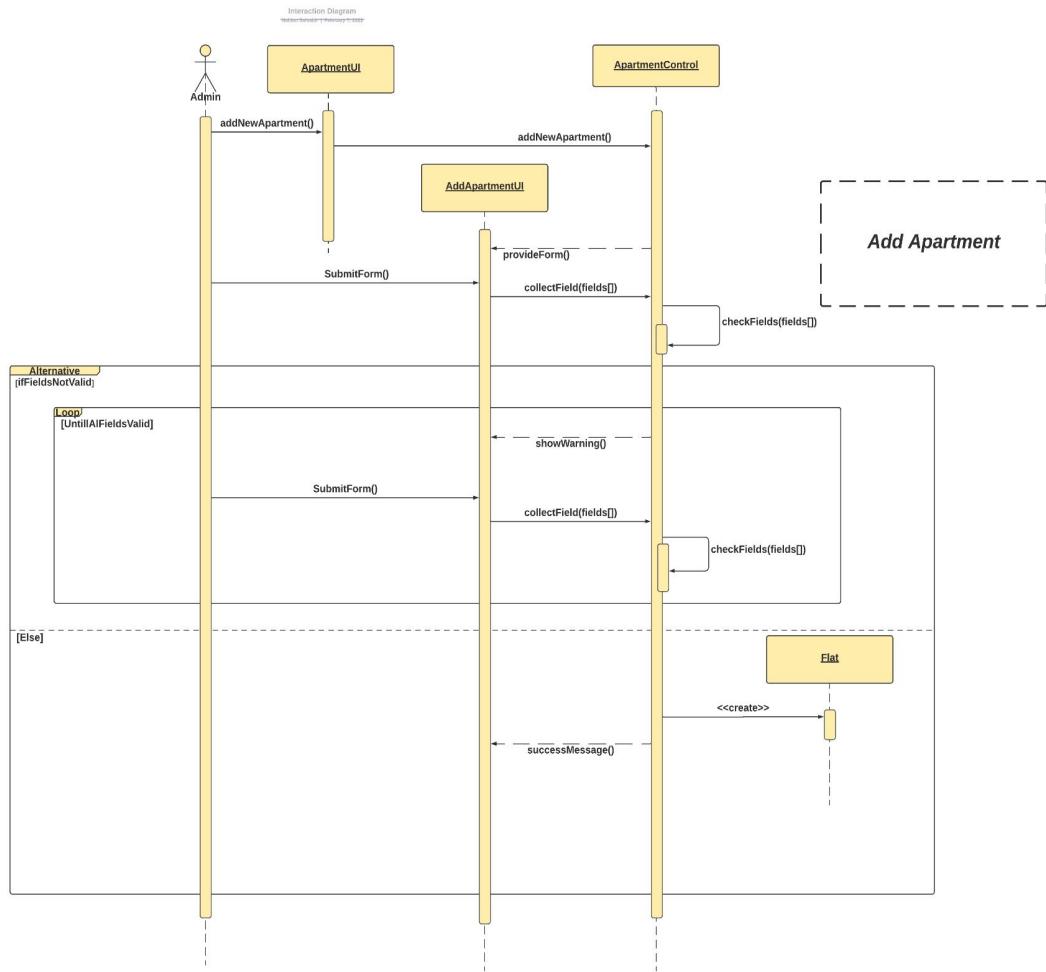
Tenant

Name :	Harry Potter
Email :	hp@gmail.com
Mobile no. :	01234567899
BKash acc. no. :	01234567899

[Delete Apartment](#)

[Edit](#)

Full Diagram



Add Tenant

Tenant List UI

ManageCasa

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Admin Access

2B

Owner

Name : Voldemort

Email : Voldemort@gmail.com

Mobile no. : 01234567899

BKash acc. no. : 01234567899

Tenant

Name : Harry Potter

Email : hp@gmail.com

Mobile no. : 01234567899

BKash acc. no. : 01234567899

Cancel Add Tenant Save

Dashboard Apartments Committee Members Owners Tenants Employees Service Providers Forum Finance Complaints Notice Election Visitors

ManageCasa

100/A, New Road, Dhaka
Admin Access

Add Tenant

Tenant Information

Owner

Name : Voldemort

Email : Voldemort@gmail.com

Mobile no. : 01234567899

BKash acc. no. : 01234567899

Name : Voldemort

Email : Voldemort@gmail.com

Mobile no. : 01234567899

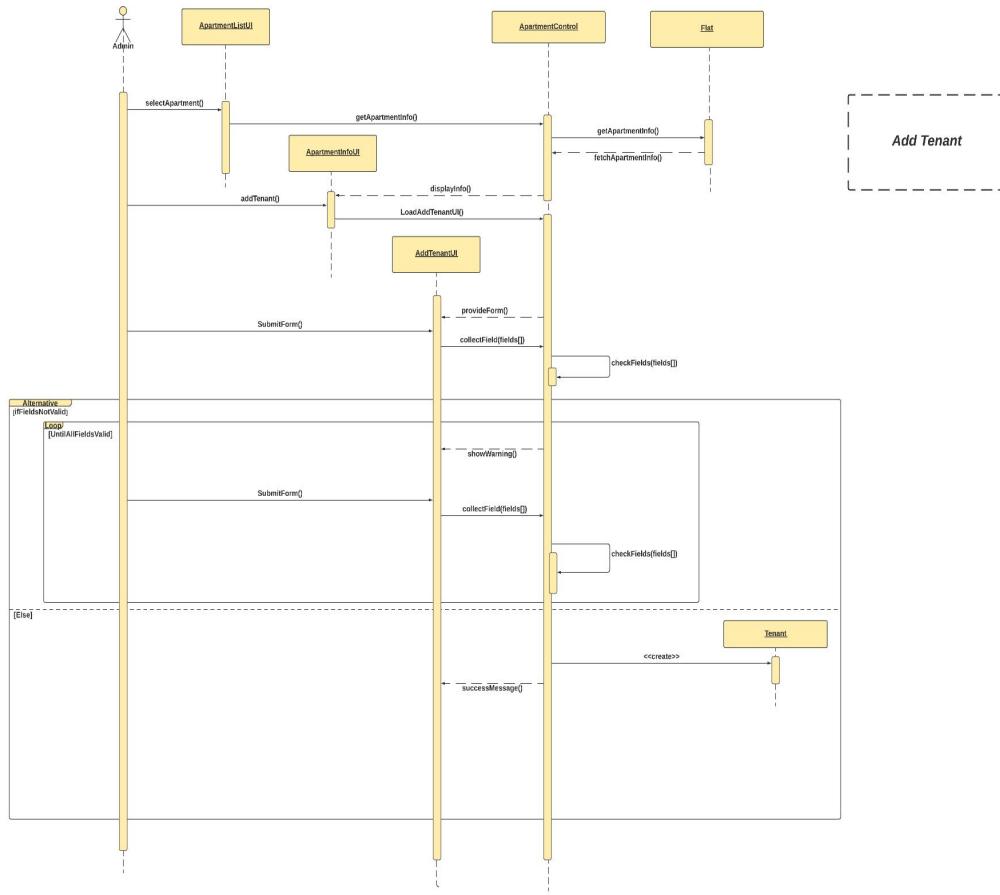
BKash acc. no. : 01234567899

* A confirmation email with an autogenerated password will be sent via the provided email ID. Please notify the respective tenant to confirm and update password.

Cancel Add

Dashboard Apartments Committee Members Owners Tenants Employees Service Providers Forum Finance Complaints Notice Election Visitors

Full Diagram



Add Service Provider

Service Providers' List UI



100/A, New Road, Dhaka
Admin Access

- Dashboard
- Apartments
- Committee Members
- Owners
- Tenants
- Employees
- Service Providers**
- Forum
- Finance
- Complaints
- Notice
- Election
- Visitors

List of Service Providers	
 INTERNET SERVICE ²⁵⁺	Business Network (bNet) Internet service provider in Dhaka Mobile No. : +233 5533 99 721 Address: House # 145, Road # 12, Block # G, South, Dhaka 1219
 COMPANY NAME	ReignICT Broadband Internet service provider in Dhaka Mobile No. : +233 5533 99 721 Address: House # 145, Road # 12, Block # G, South, Dhaka 1219
 STAYCONNECTED	Badda Cable Connection Cable Connection provider Mobile No. : +233 5533 99 721 Start Time : 1/1/2020Address: House # 145, Road # 12, Block # G, South, Dhaka 1219020
 BTCL	Bangladesh Telecommunications Company Limited Telecommunication Mobile No. : +233 5533 99 721 Start Time : 1/1/2020Address: House # 145, Road # 12, Block # G, South, Dhaka 121920

Add New Service Providers



100/A, New Road, Dhaka
Admin Access

- Dashboard
- Apartments
- Committee Members
- Owners
- Tenants
- Employees
- Service Providers**
- Forum
- Finance
- Complaints
- Notice
- Election
- Visitors

New Service Provider

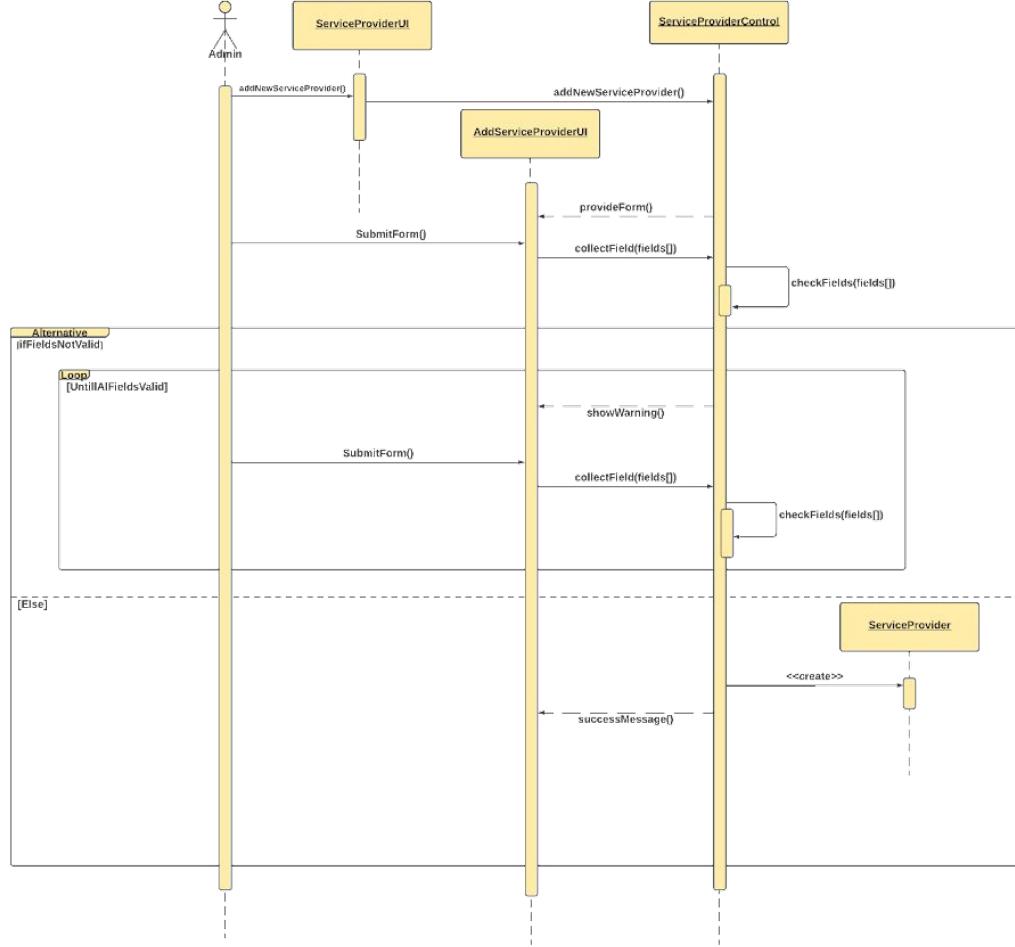
Service :	<input type="text" value="Internet service provider in Dhaka"/>
Start Date :	<input type="text" value="1/3/2021"/>
Contract Duration :	<input type="text" value="6 months"/>
Personal Information	
Company Name :	<input type="text" value="Business Network (bNet)"/>
Email :	<input type="text" value="Voldemort@gmail.com"/>
Mobile no. :	<input type="text" value="01234567899"/>
BKash no. :	<input type="text" value="01234567899"/>



Cancel

Add

Full Diagram



Add Packages

Service Providers' List UI



100/A, New Road, Dhaka
Admin Access

- Dashboard
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 COMPANY NAME	ReignICT Broadband Internet service provider in Dhaka Mobile No. : +233 5533 99 721 Address: House # 145, Road # 12, Block # G, South, Dhaka 1219
 STAYCONNECTED	Badda Cable Connection Cable Connection provider Mobile No. : +233 5533 99 721 Start Time : 1/1/2020Address: House # 145, Road # 12, Block # G, South, Dhaka 1219020
 BTCL	Bangladesh Telecommunications Company Limited Telecommunication Mobile No. : +233 5533 99 721 Start Time : 1/1/2020Address: House # 145, Road # 12, Block # G, South, Dhaka 121920

Add New Service Providers



100/A, New Road, Dhaka
Admin Access

- Dashboard
- Apartments
- Committee Members
- Owners
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- Employees
- Service Providers**
- Forum
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- Election
- Visitors

New Service Provider

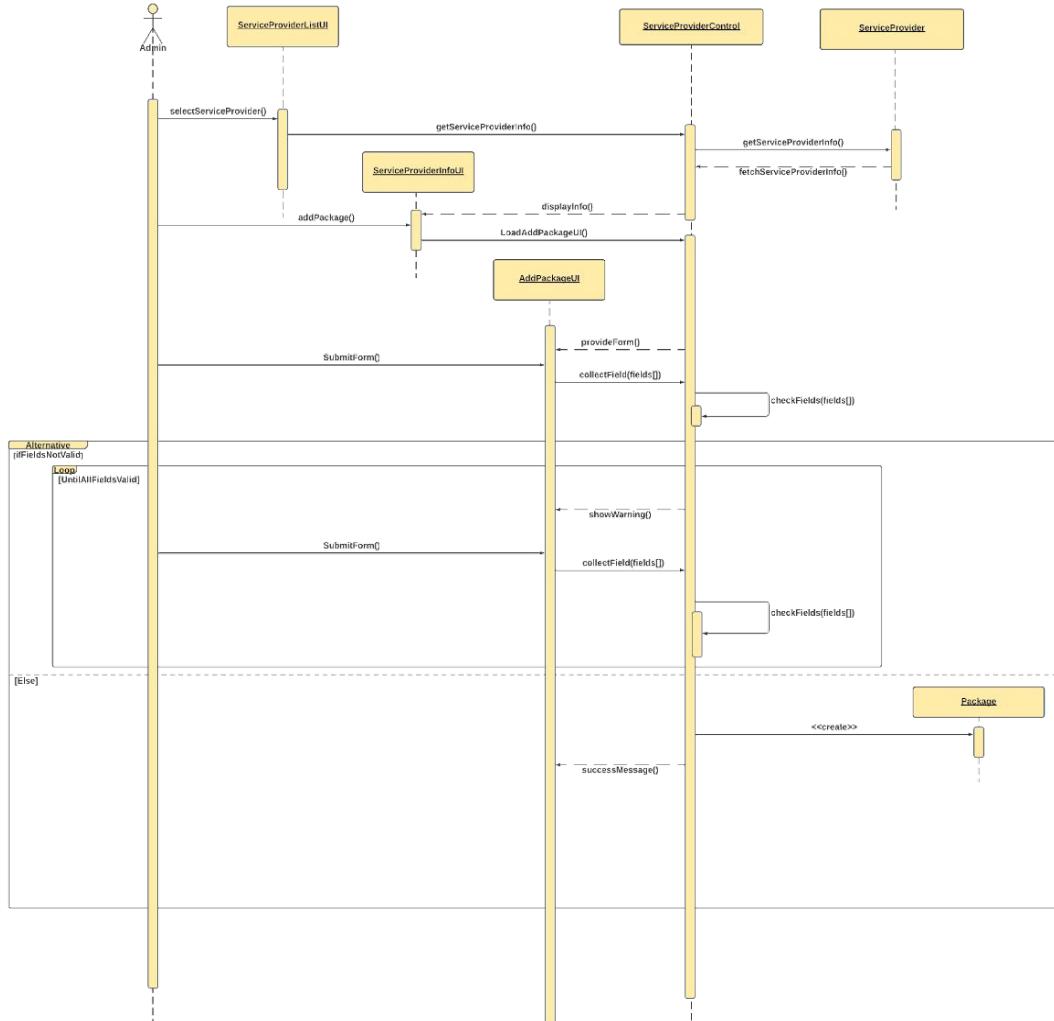
Service :	<input type="text" value="Internet service provider in Dhaka"/>
Start Date :	<input type="text" value="1/3/2021"/>
Contract Duration :	<input type="text" value="6 months"/>
Personal Information	
Company Name :	<input type="text" value="Business Network (bNet)"/>
Email :	<input type="text" value="Voldemort@gmail.com"/>
Mobile no. :	<input type="text" value="01234567899"/>
BKash no. :	<input type="text" value="01234567899"/>



Cancel

Add

Full Diagram



Thank You