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Team 7: Omnia

Project: Water Resort
administration system

System Name:
Hydrotech

Iteration 7 – Sequence Diagrams

This document depicts the sequence diagrams which are displayed to show the flow of information between the actors, interfaces, controllers, and entities that exist within the HydroTech system. They illustrate an in-depth perspective of the parallel flows in the HydroTech system between the actors, processes, and data stores.



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1. Document Introduction

The following document contains sequence diagrams for all the use cases. Sequence Diagrams are displayed to provide an in-depth perspective of the parallel flows in the HydroTech system between the actors, processes, and data stores.



2. Sequence Diagrams

2.1. Subsystem 1 – User

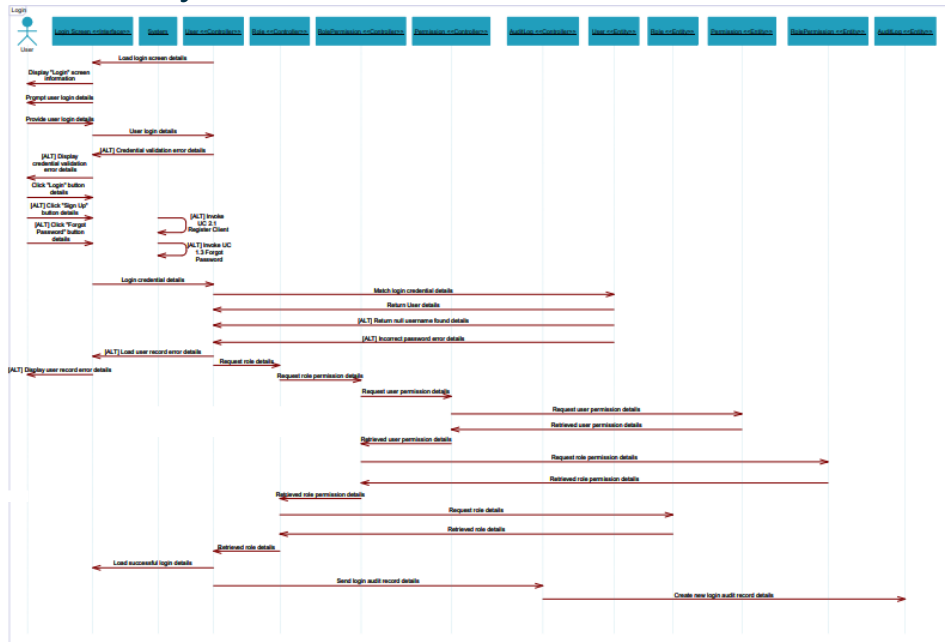


Figure 1:1.1-Login Sequence Diagram

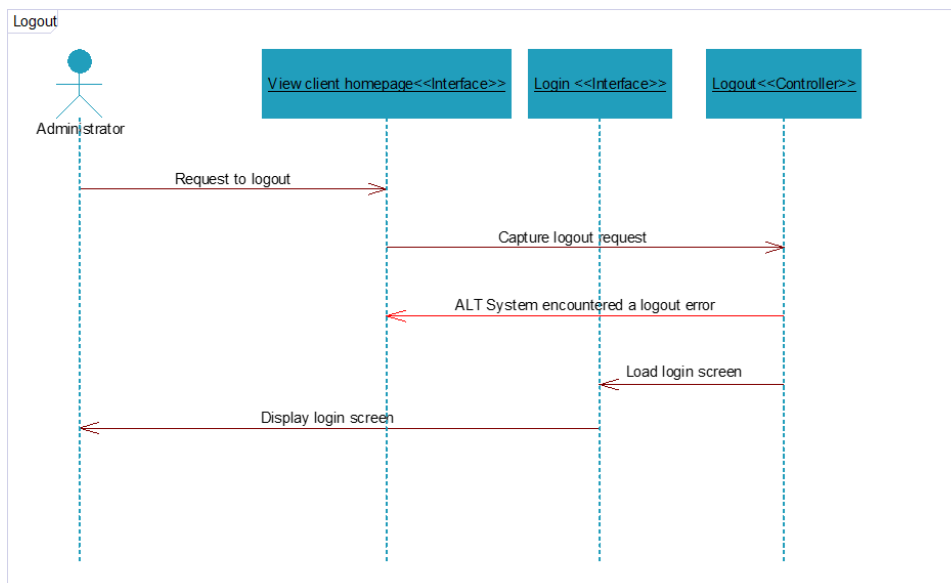


Figure 2:1.2-Logout Sequence Diagram



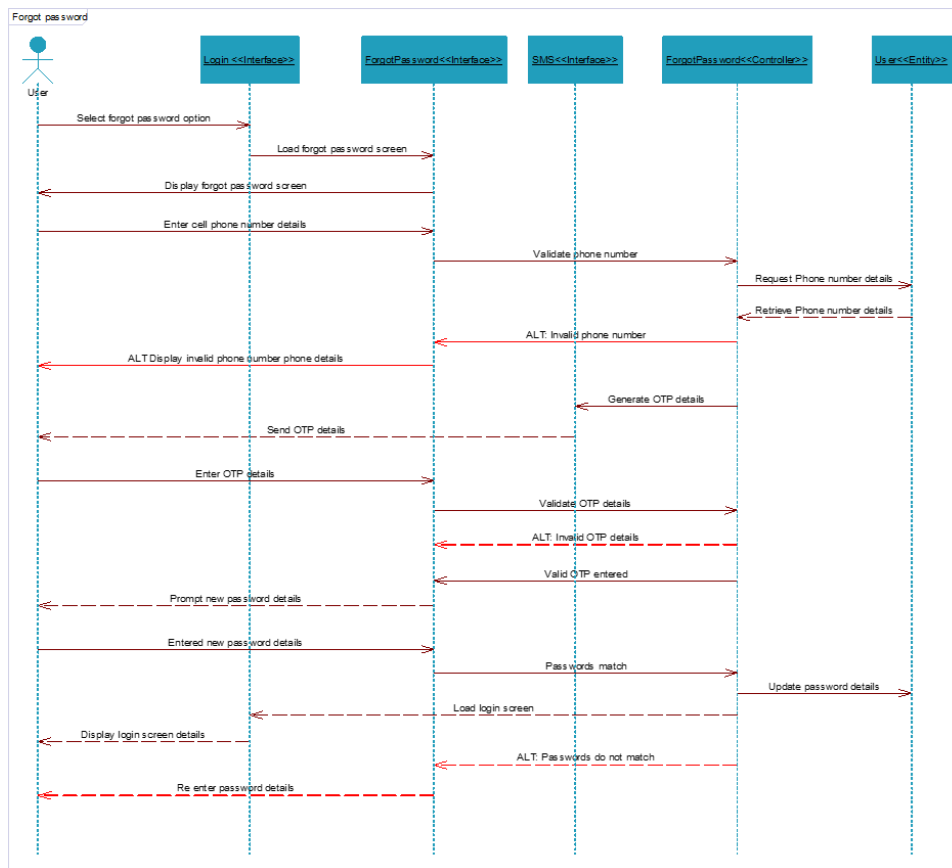


Figure 3:1.3-Forgot Password Sequence Diagram



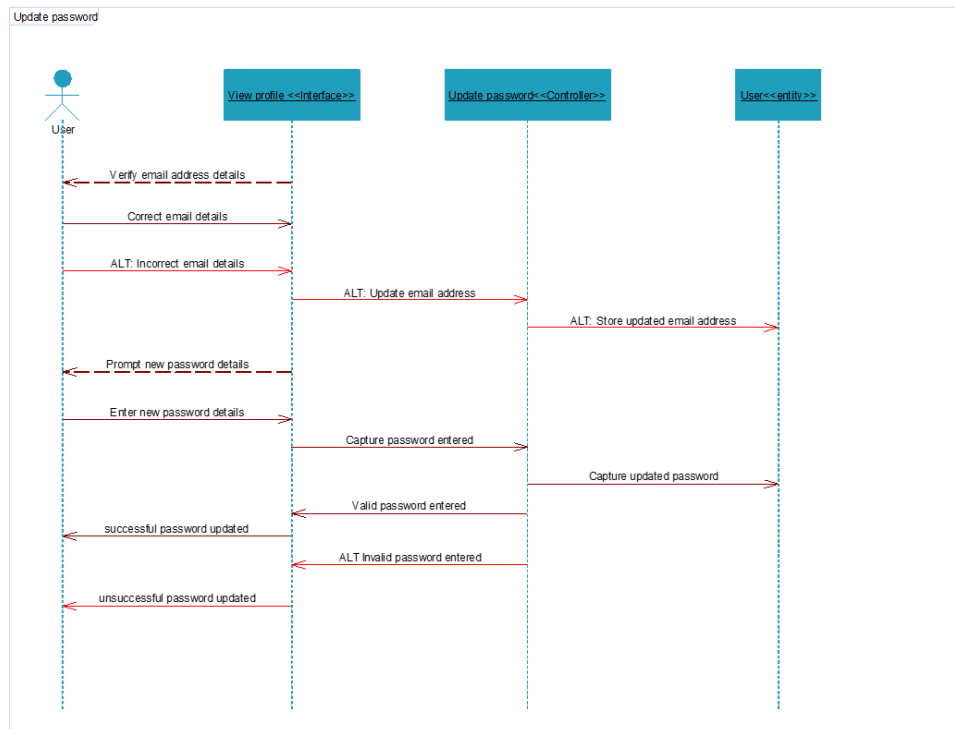


Figure 4:1.4-Update Password Sequence Diagram

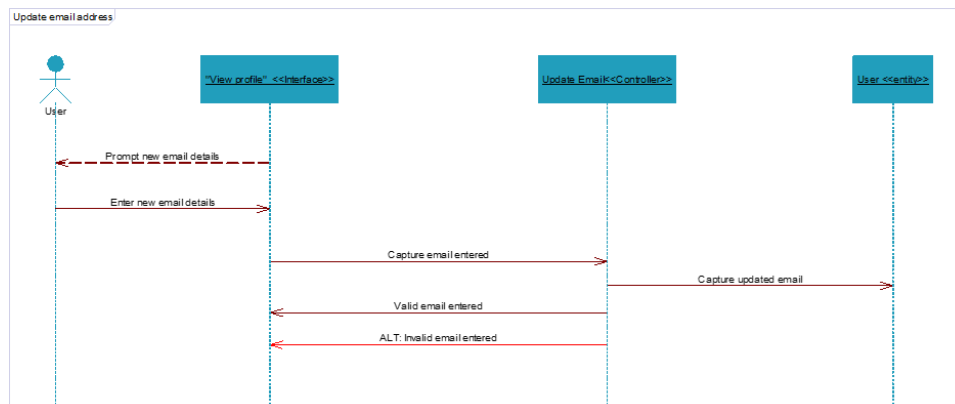


Figure 5:1.5-Update Email Address Sequence Diagram



2.2. Subsystem 2 – Client

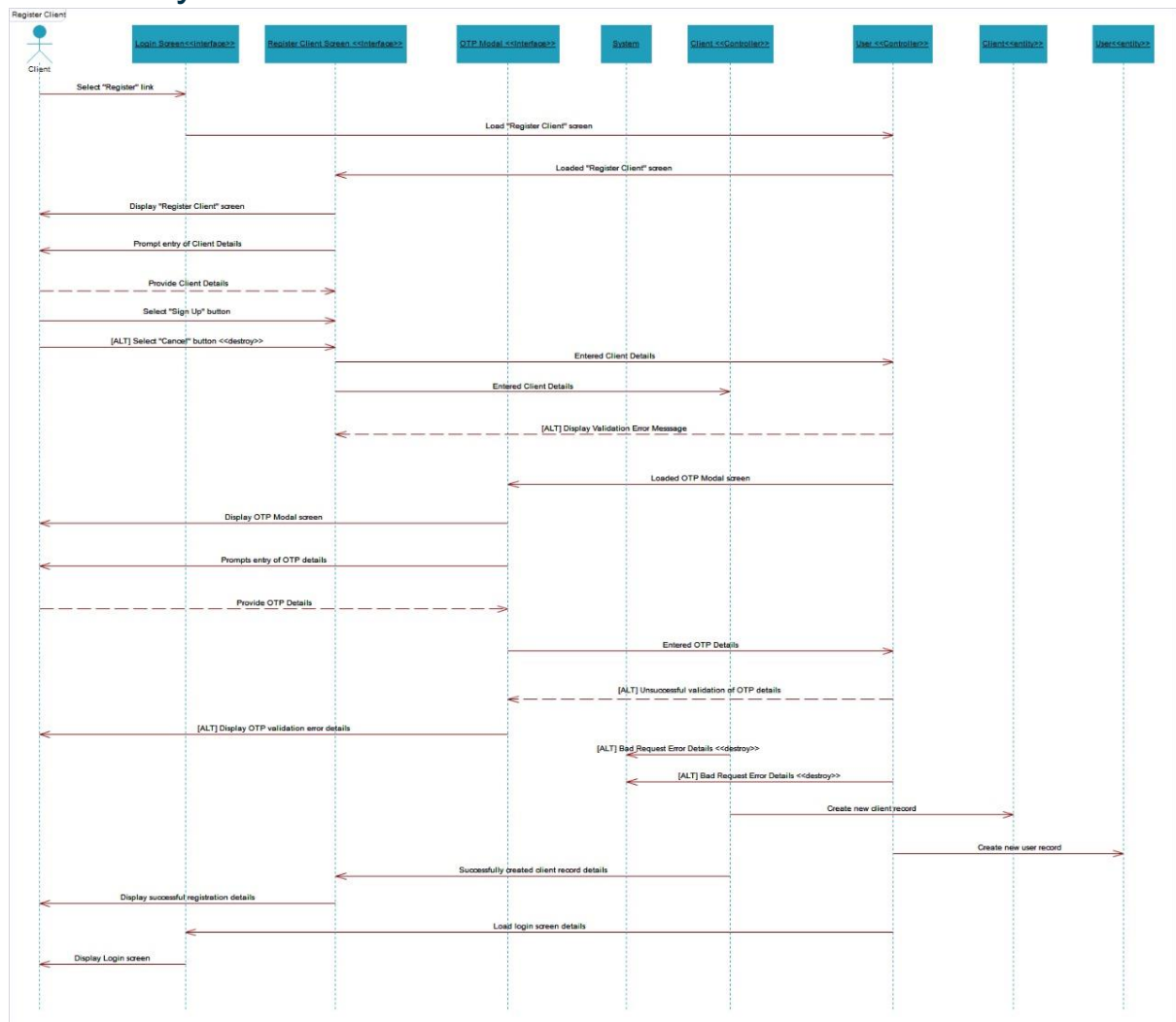


Figure 6:2.1-Register Client Sequence Diagram



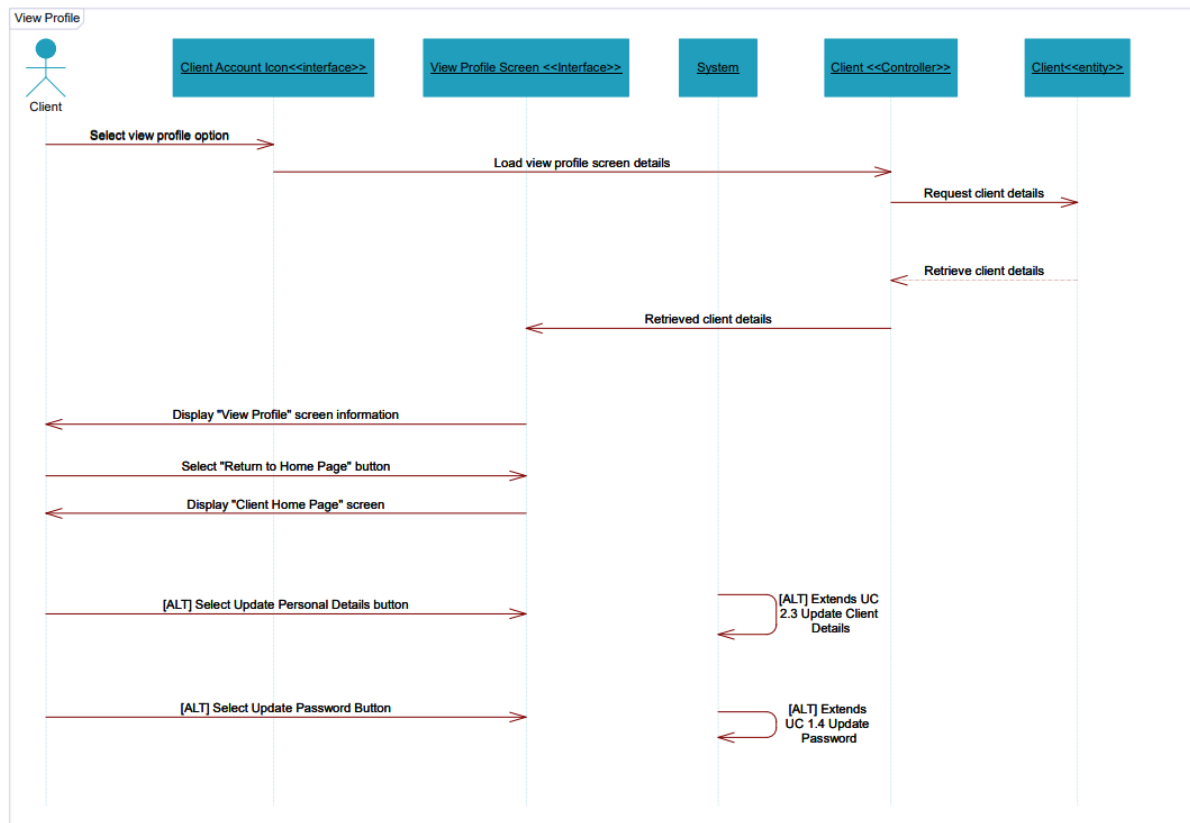


Figure 7:2.2-View Profile Sequence Diagram



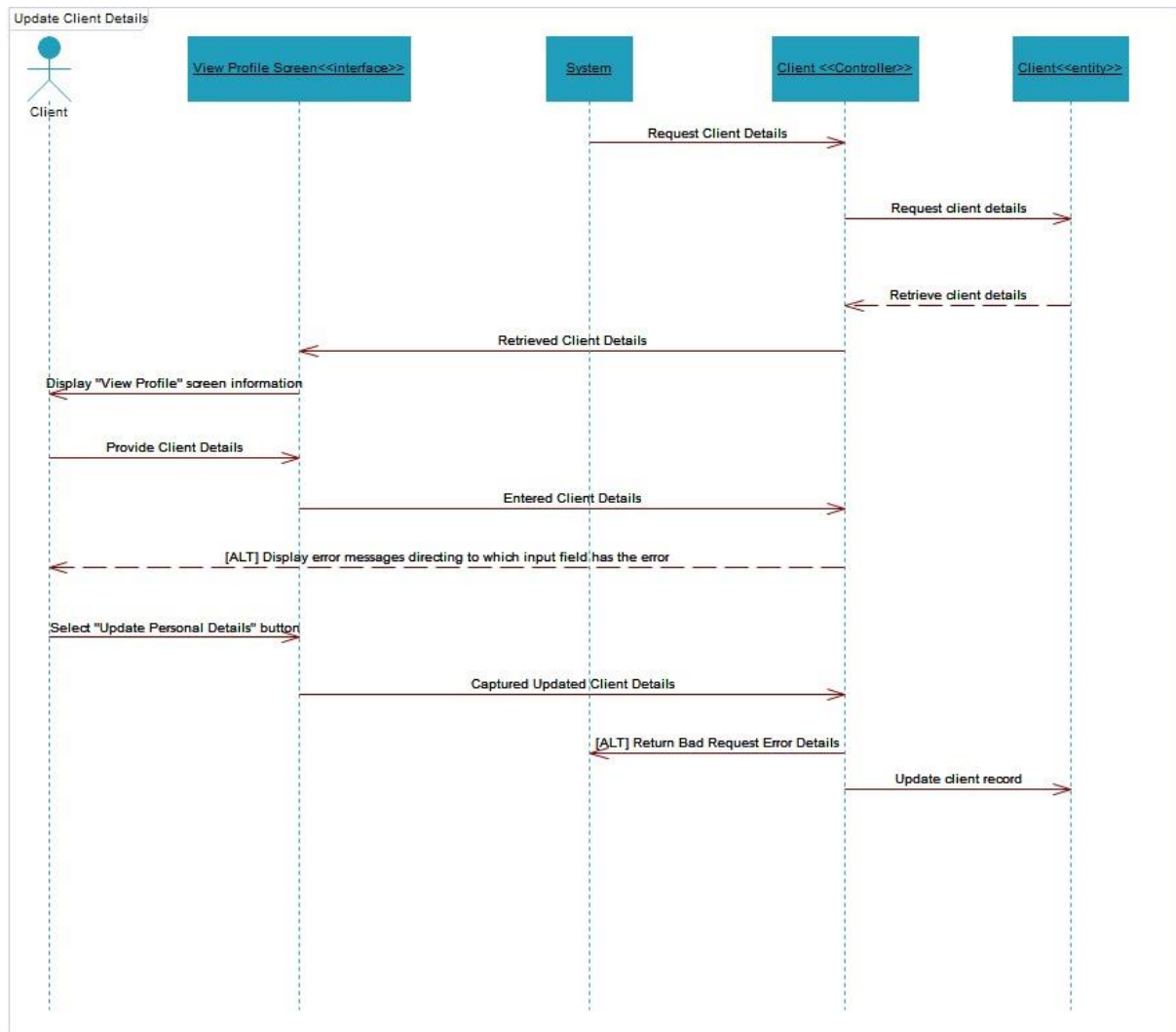


Figure 8:2.3-Update Client Details Sequence Diagram





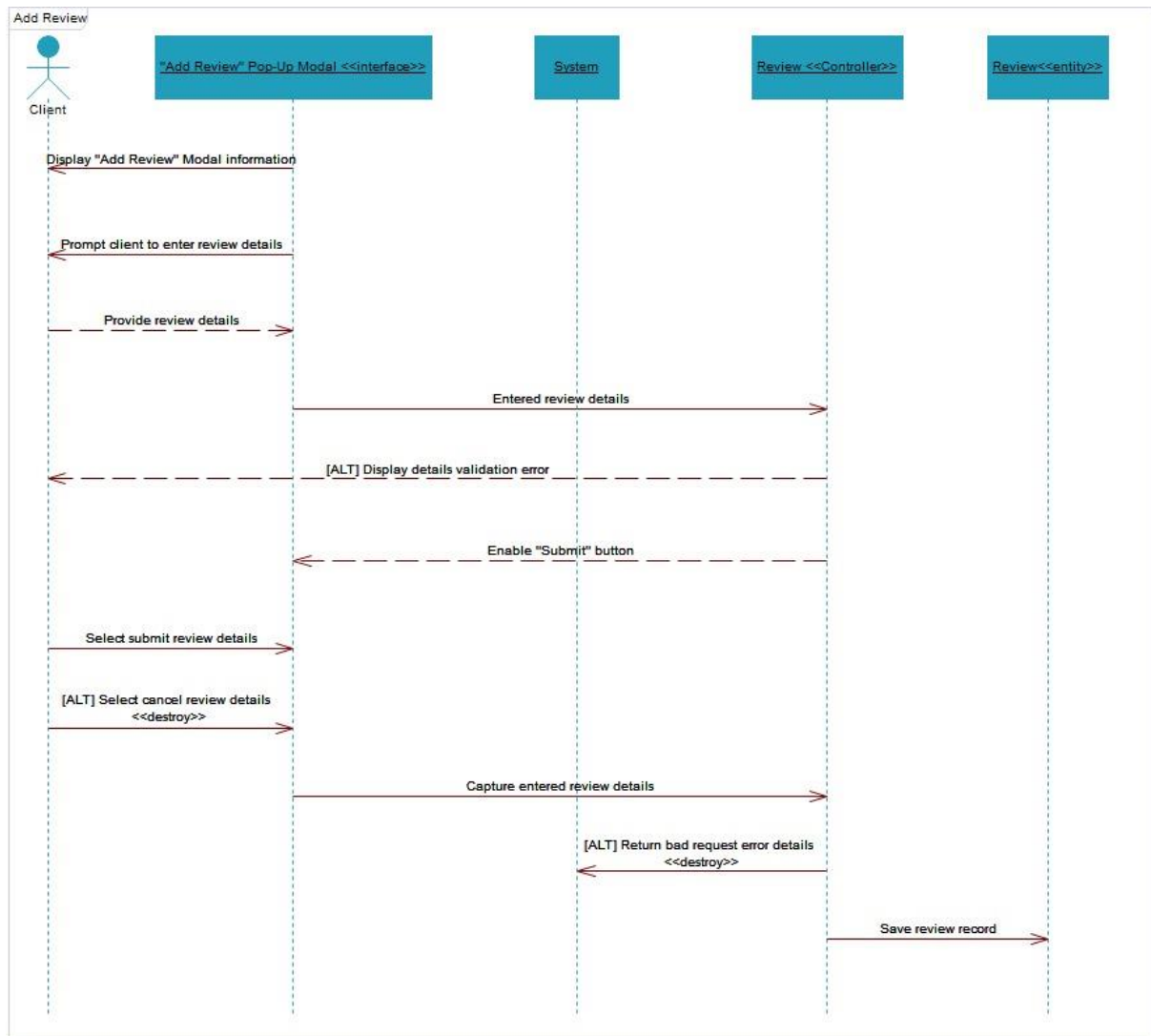


Figure 10:2.5-Add Review Sequence Diagram



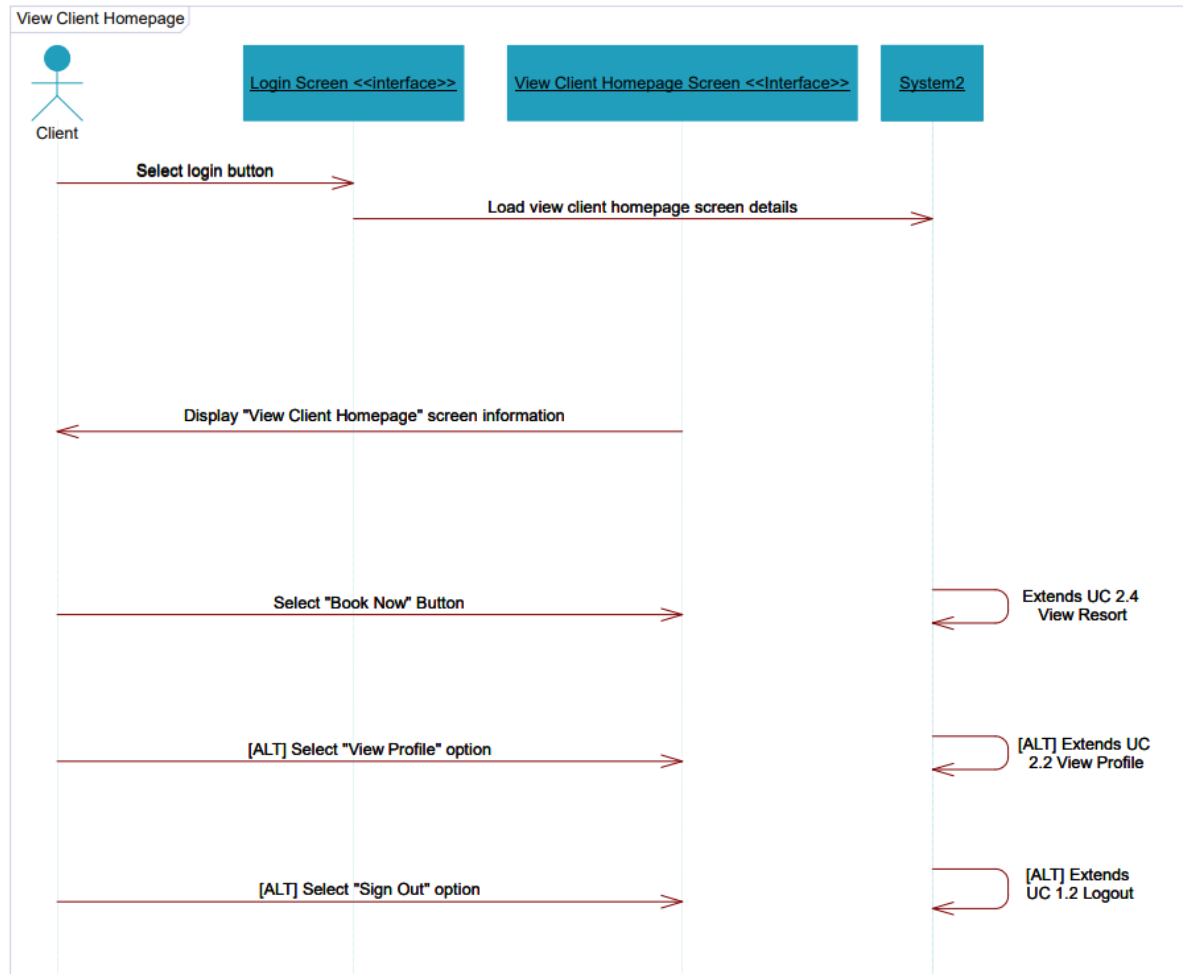


Figure 11:2.6-View Client Homepage Sequence Diagram



2.3. Subsystem 3 - Accommodation

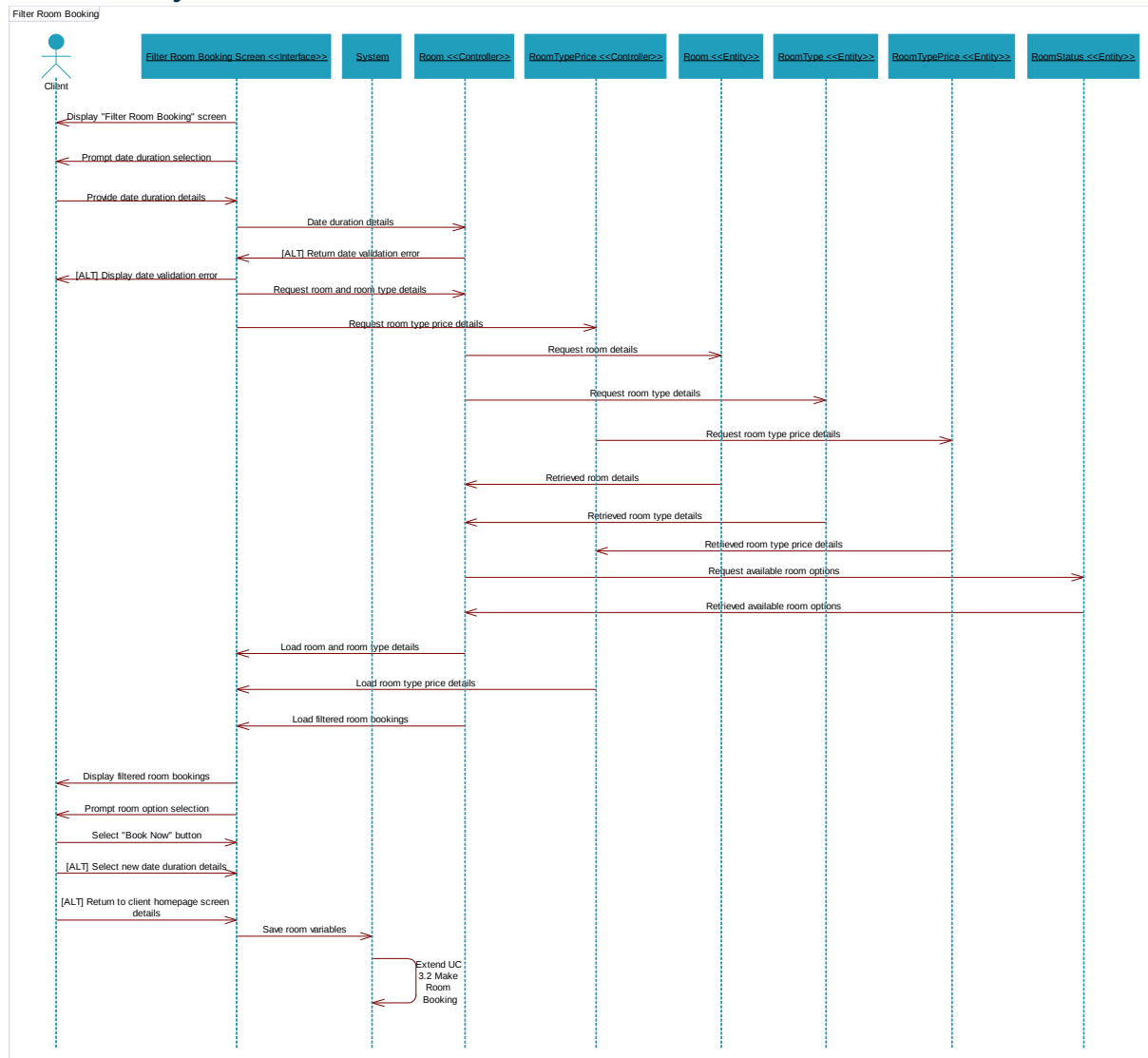


Figure 12:3.1-Filter Room Booking Sequence Diagram





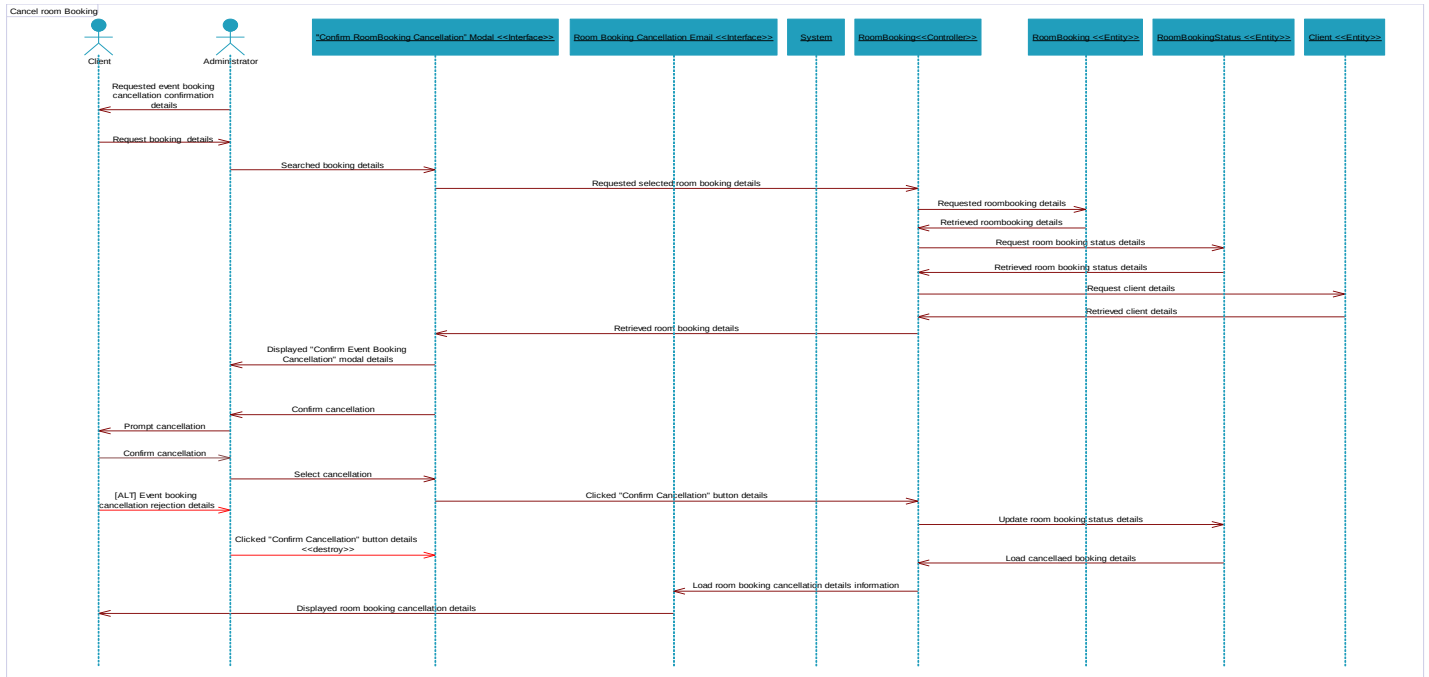


Figure 14:3.3-Cancel Room Booking Sequence Diagram

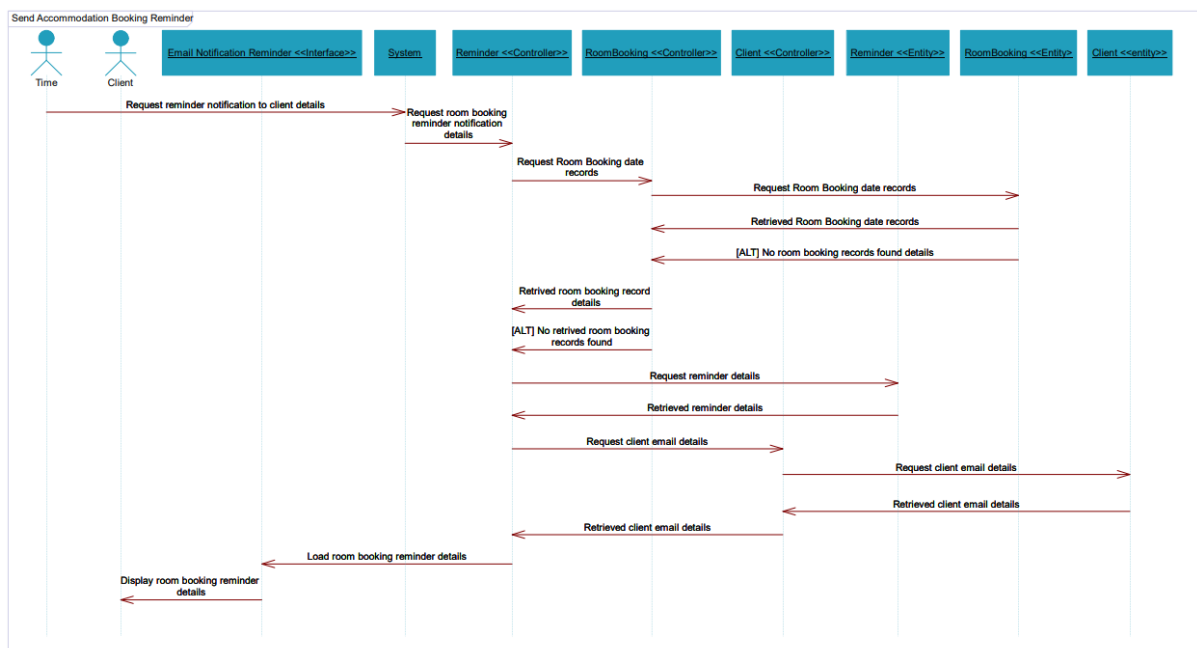


Figure 15:3.4-Send Accommodation Reminder Sequence Diagram



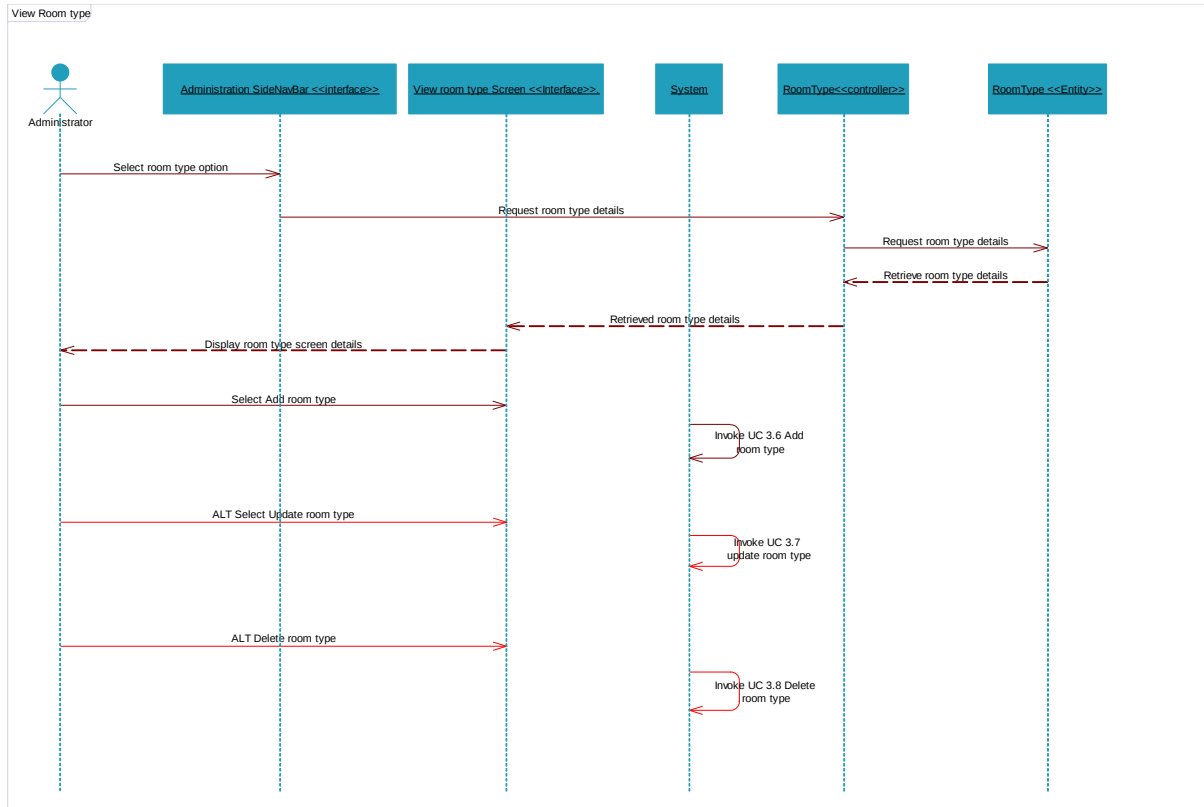


Figure 16: 3.5-View Room Type Sequence Diagram

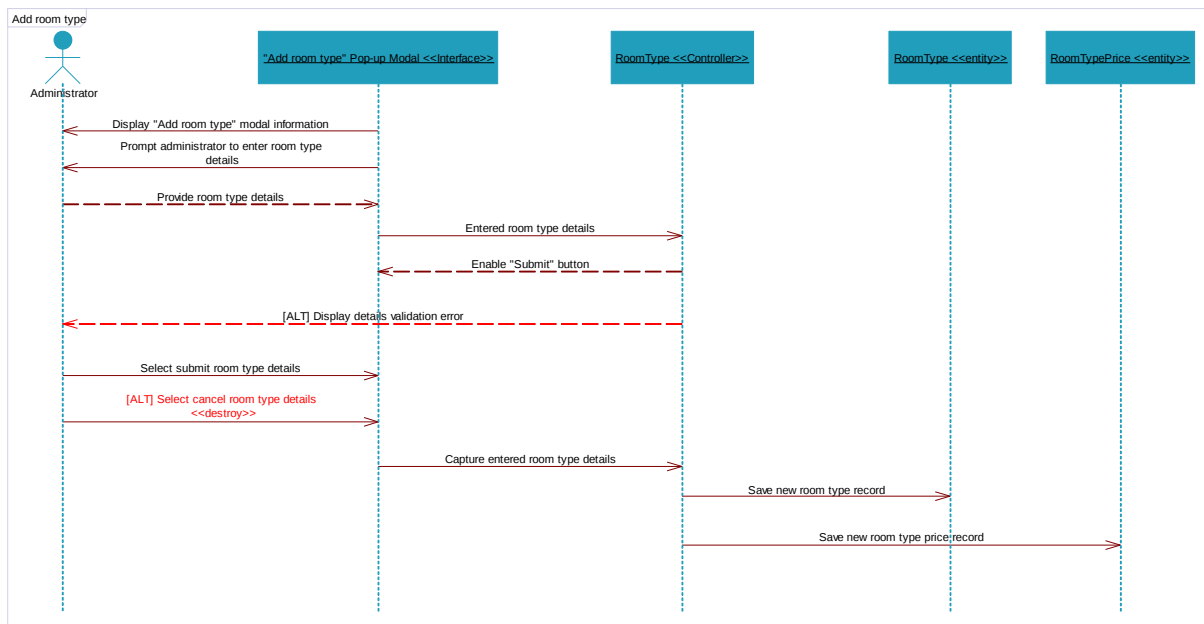


Figure 17: 3.6-Add Room Type Sequence Diagram



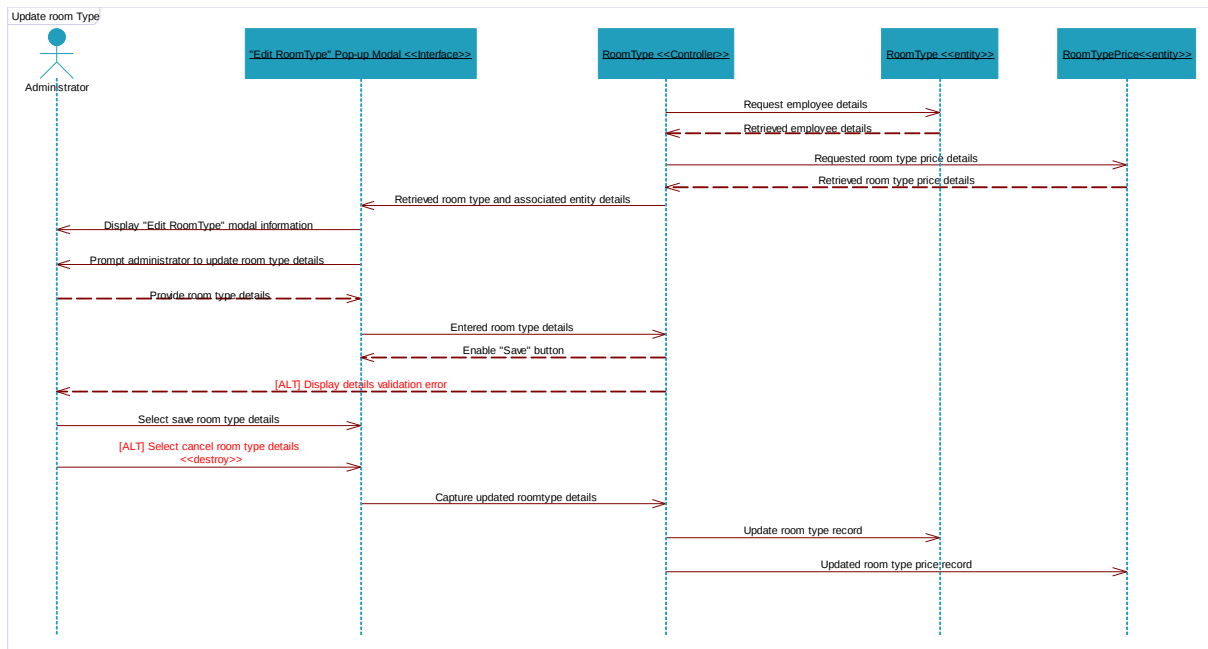


Figure 18: 3.7-Update Room Type Sequence Diagram

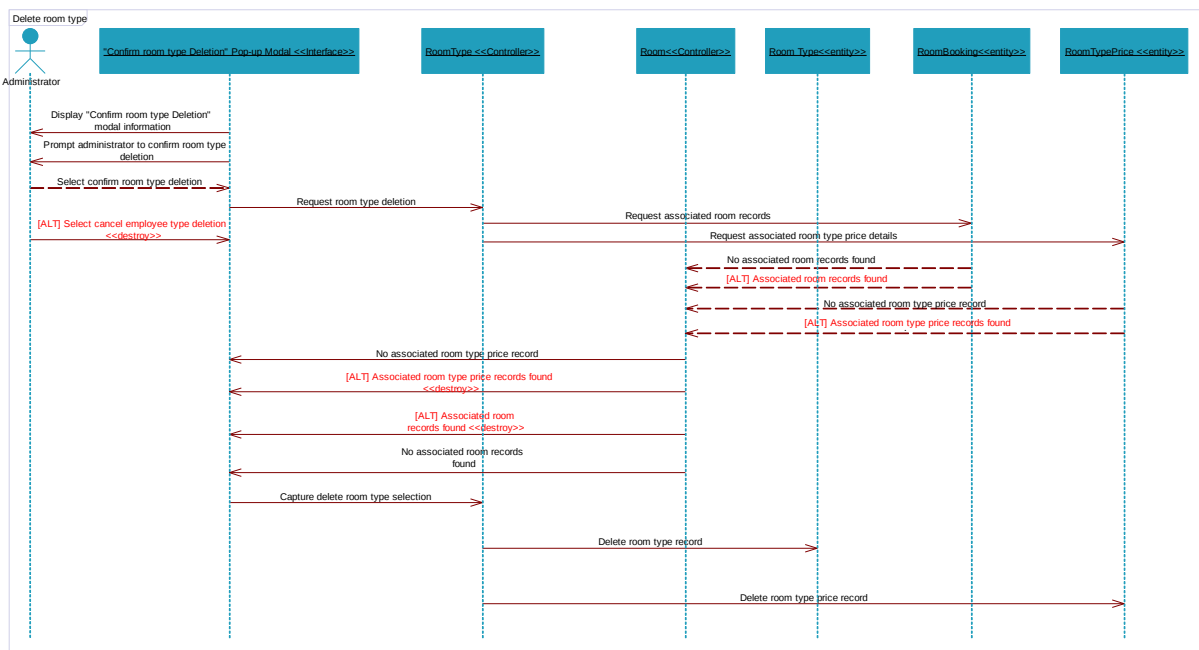


Figure 19: 3.8-Delete Room Type Sequence Diagram



2.4. Subsystem 4 - Ticketing

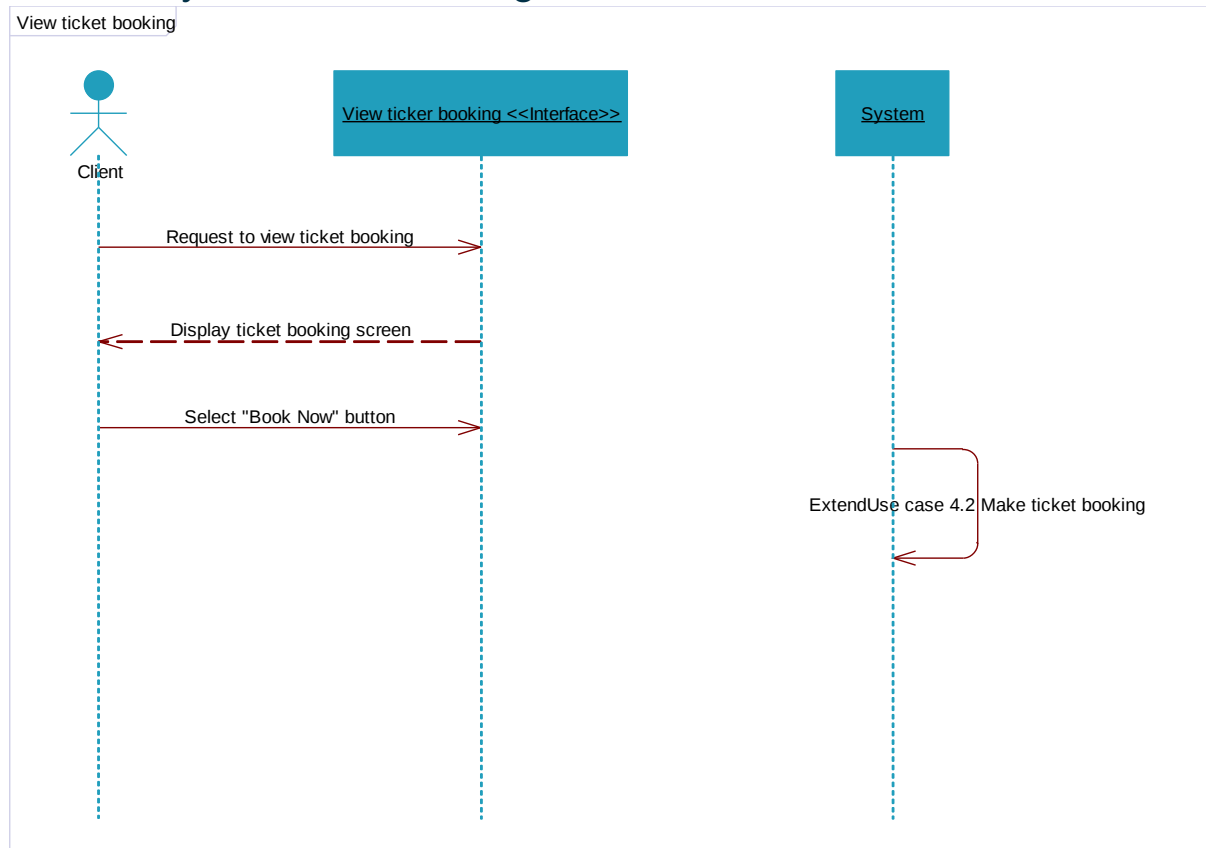


Figure 20:4.1-View Ticket Booking Sequence Diagram





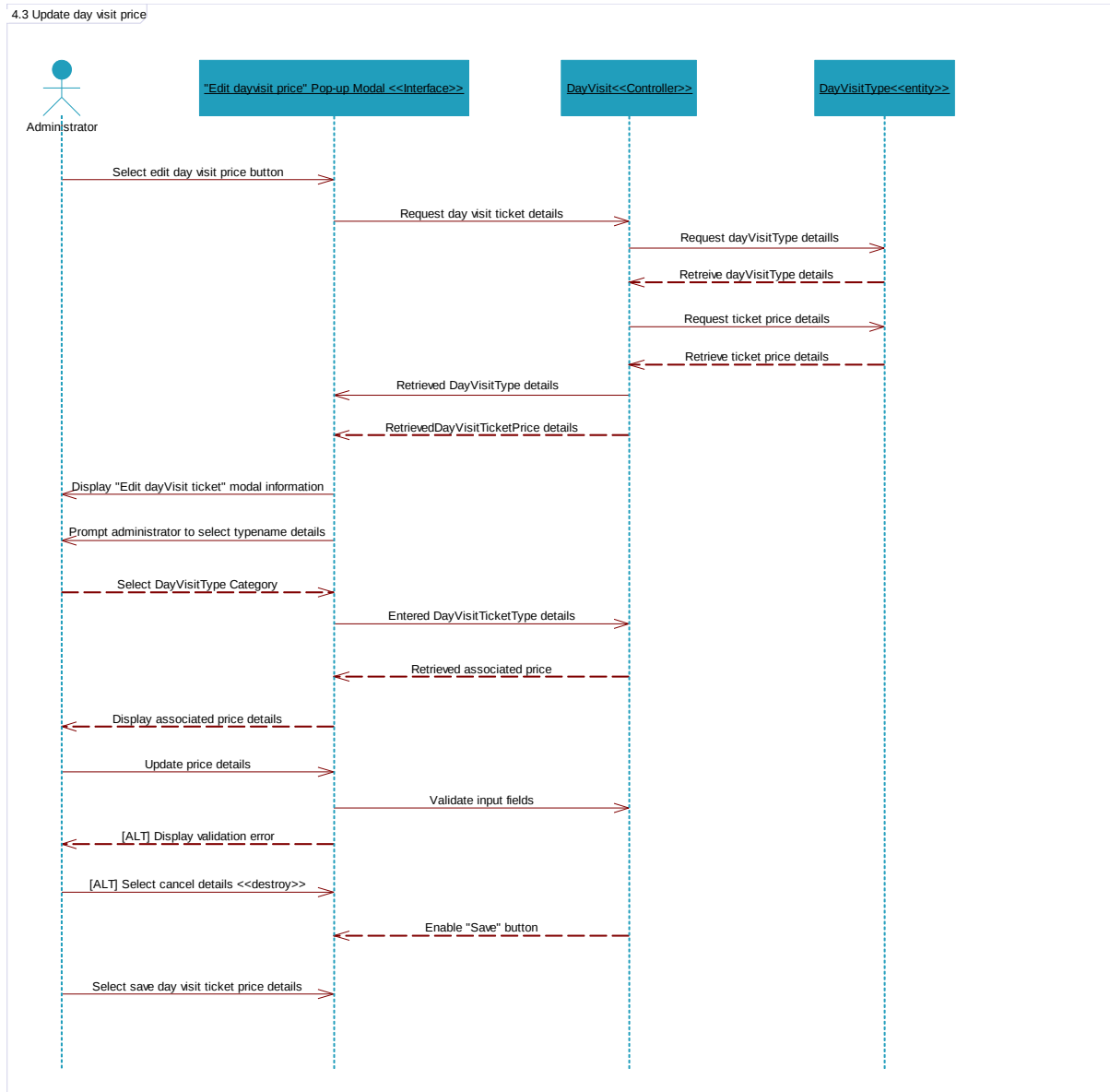


Figure 23:4.4-Update Day Visit Ticket Prices Sequence Diagram



```
sequenceDiagram
    actor Client
    participant Interface as View event booking <<Interface>>
    participant System

    Client->>Interface: Request to view event booking
    Interface-->>Client: Display event booking screen
    Client->>Interface: Select "Book Now" button
    System->>System: ExtendUse case 5.2 Make event booking
```

The diagram illustrates the sequence of interactions for the 'View event booking' use case. It involves three lifelines: a Client (actor), a View event booking <<Interface>> (boundary), and a System (control). The Client initiates the process by sending a 'Request to view event booking' message to the Interface. The Interface then responds by sending a 'Display event booking screen' message back to the Client. Subsequently, the Client sends a 'Select "Book Now" button' message to the Interface. Finally, the System performs a self-call labeled 'ExtendUse case 5.2 Make event booking'.

[illegible]

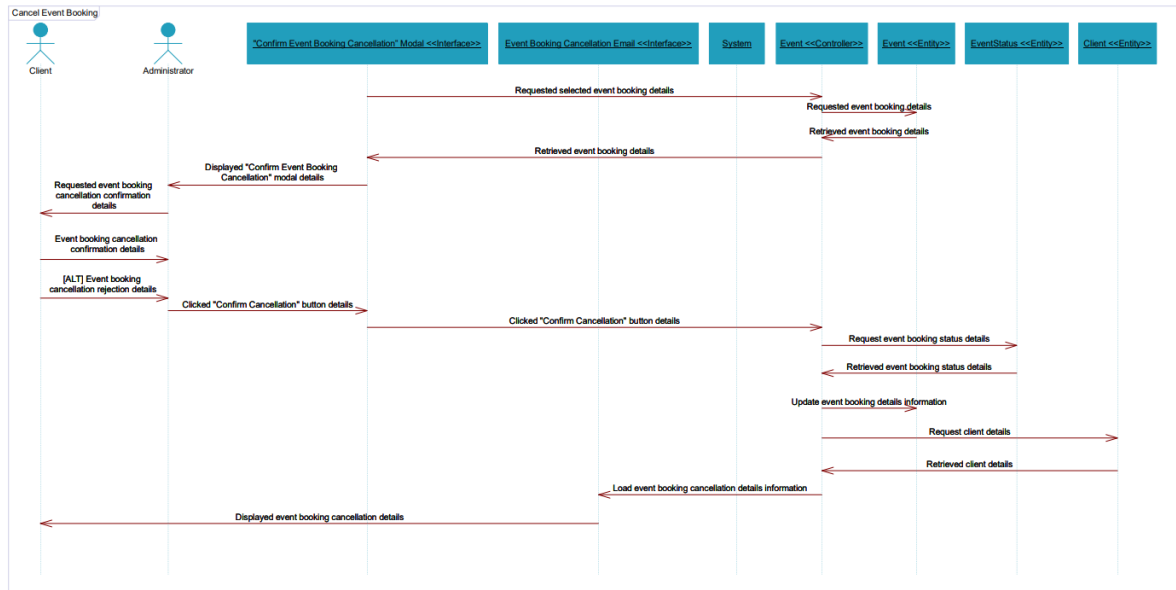


Figure 26: 5.3 Cancel Event Booking Sequence Diagram

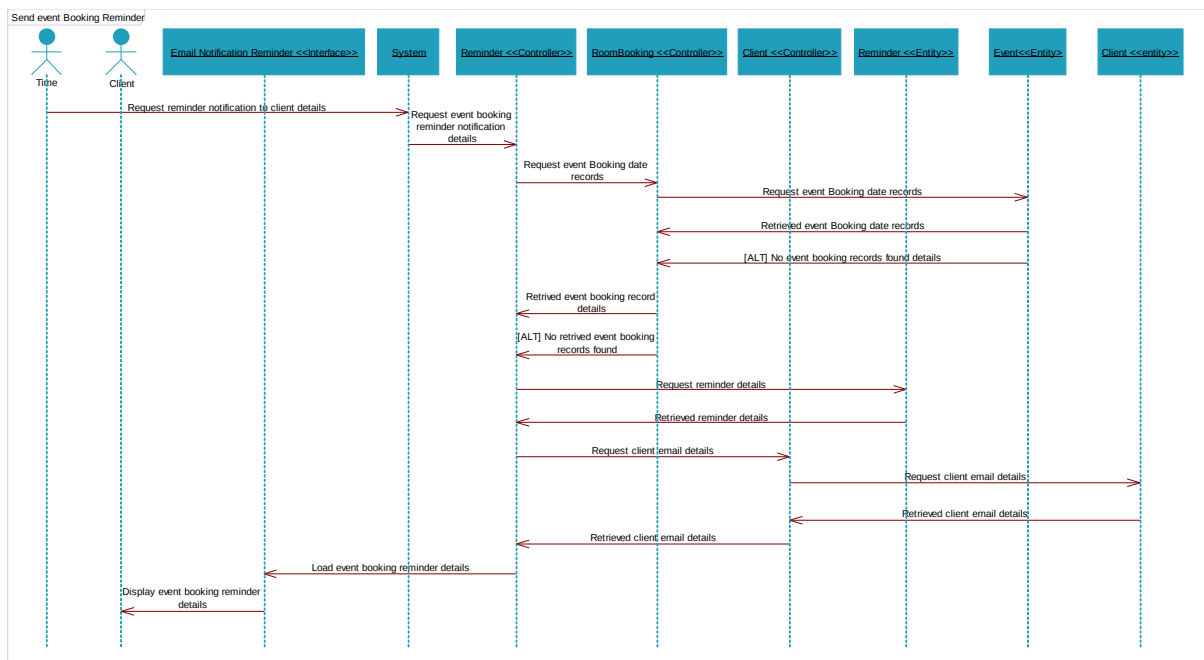


Figure 27: 5.4 Send Event Booking Reminder Sequence Diagram



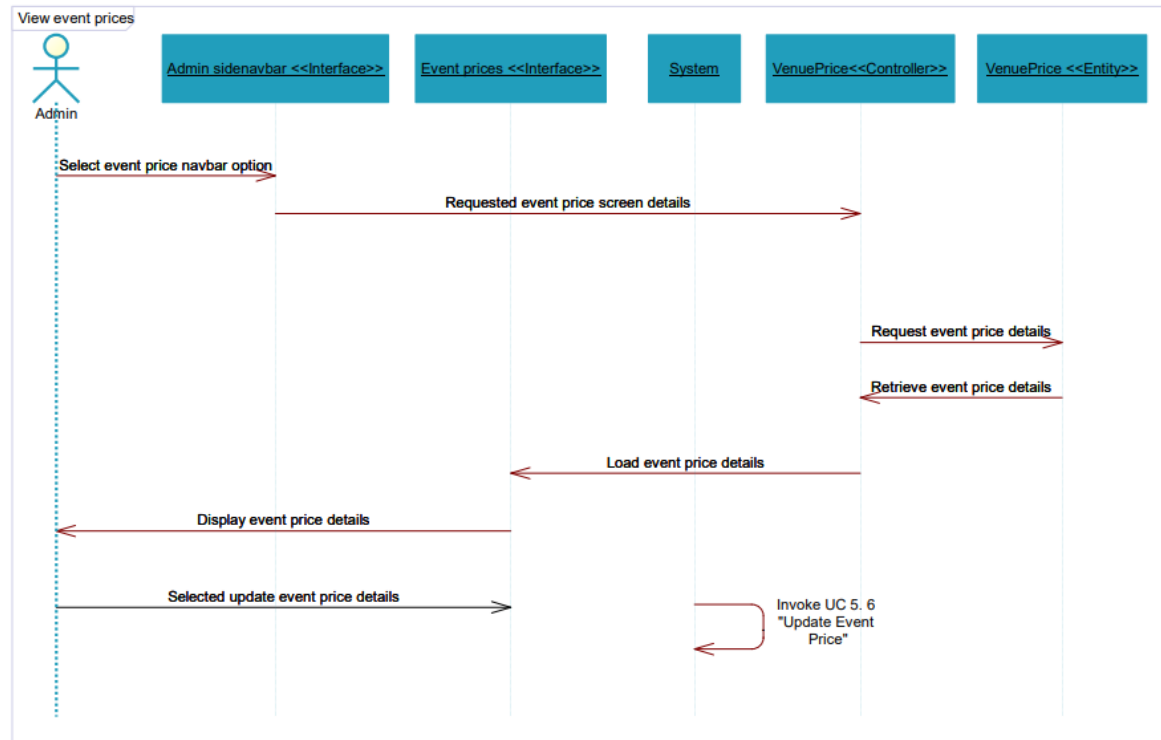


Figure 28: 5.5 View Event Price Sequence Diagram



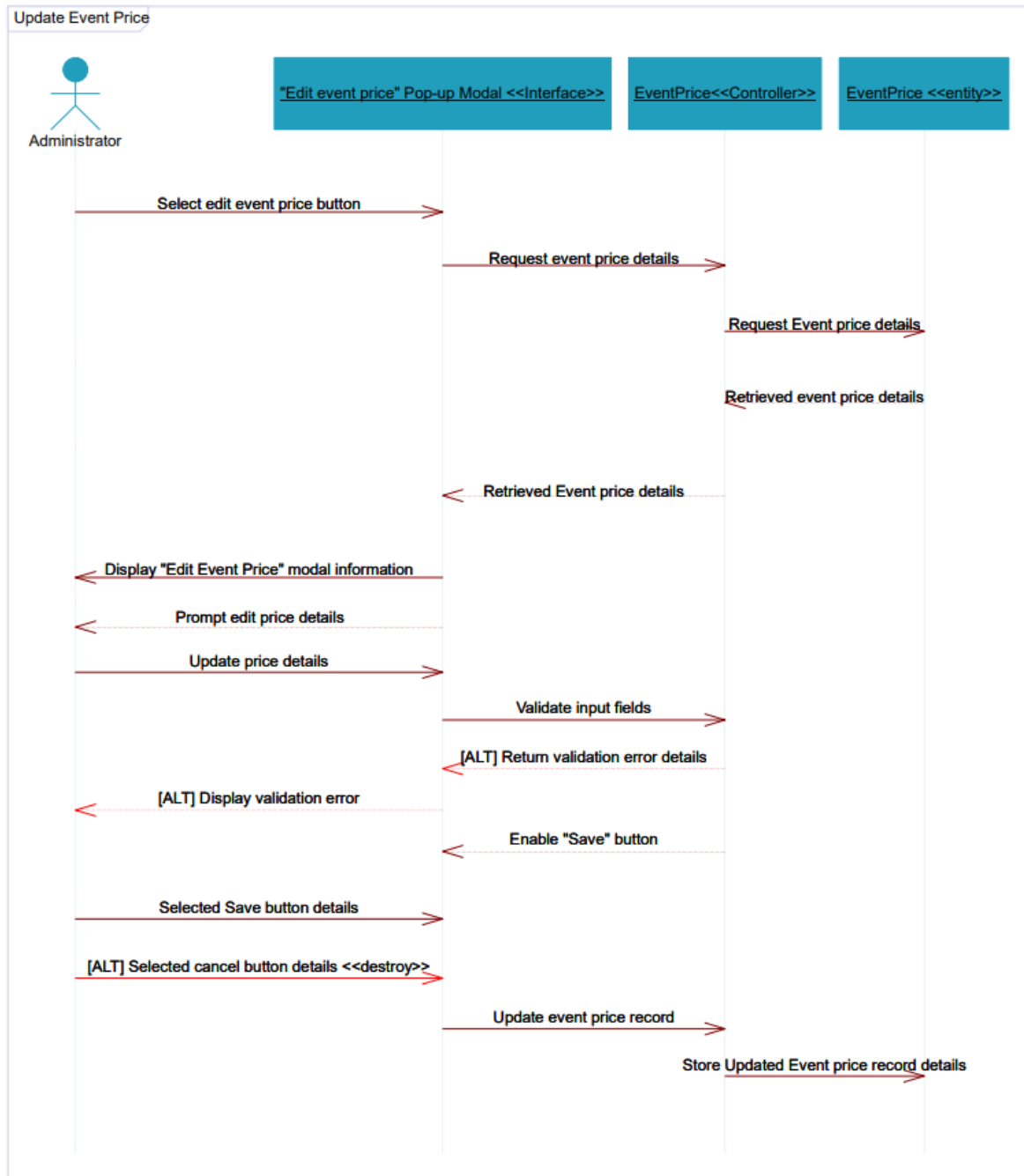


Figure 29: 5.6 Update Event Price Sequence Diagram



2.6. Subsystem 6 – Administration

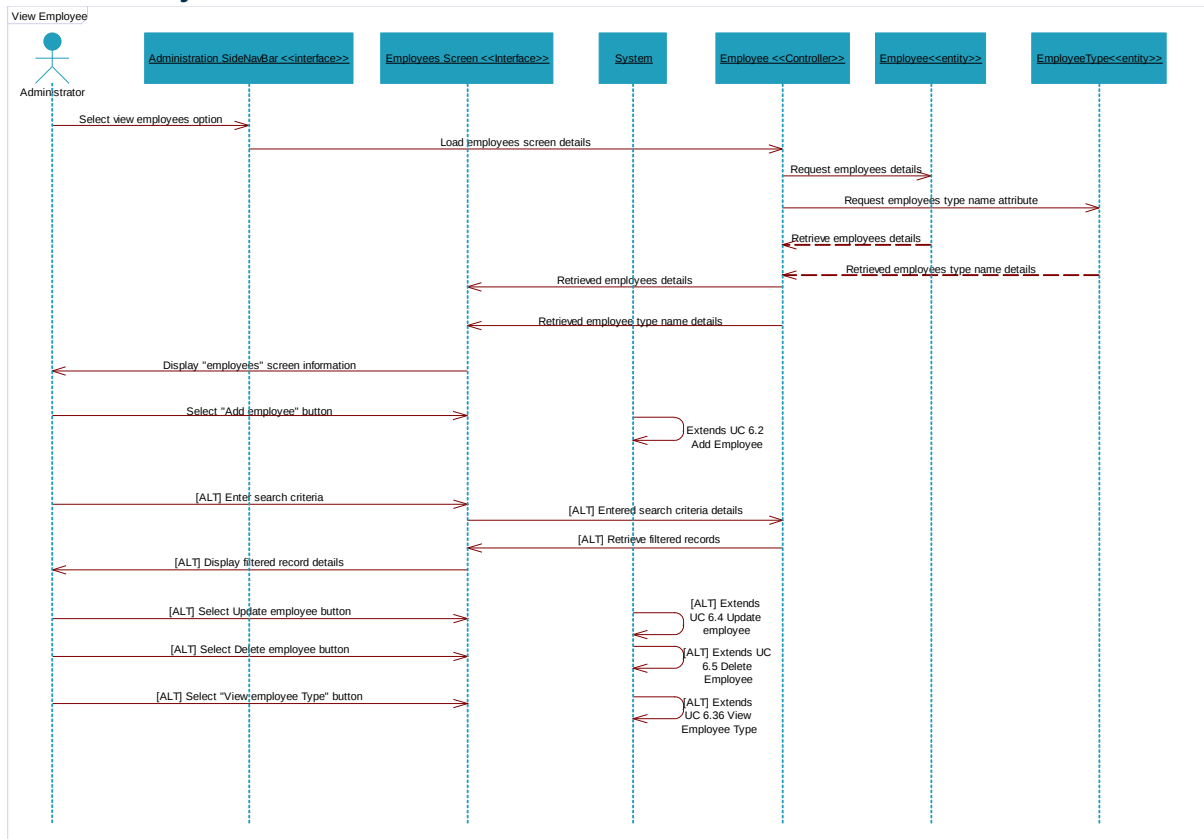


Figure 30: 6.1- View Employee Sequence Diagram

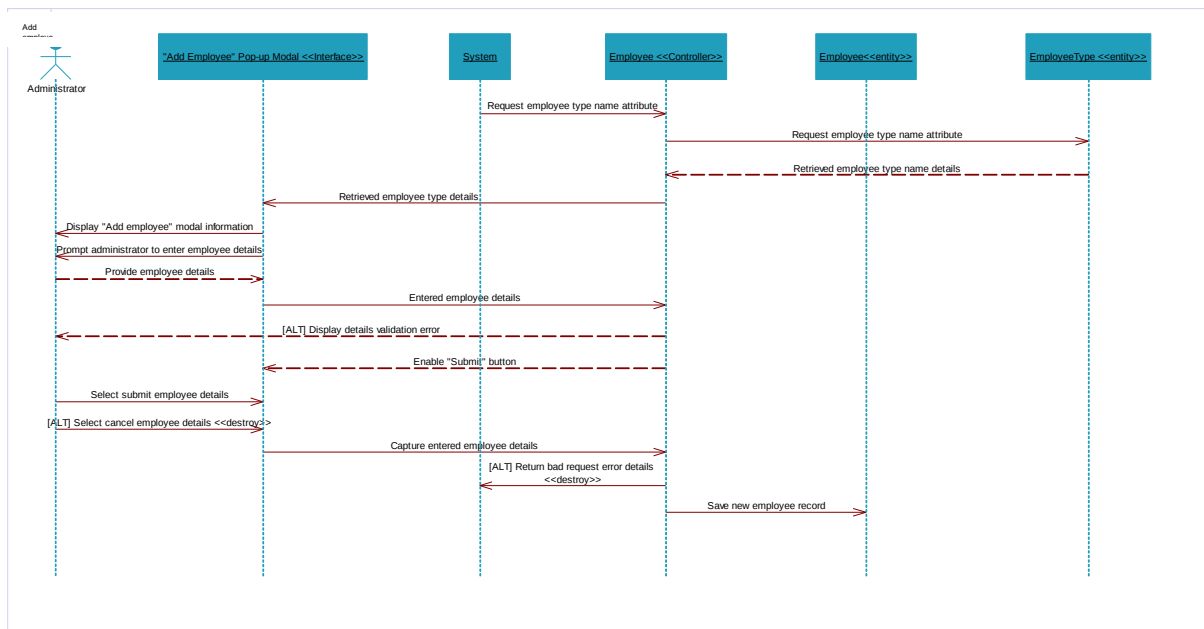


Figure 31: 6.2- Add Employee Sequence Diagram



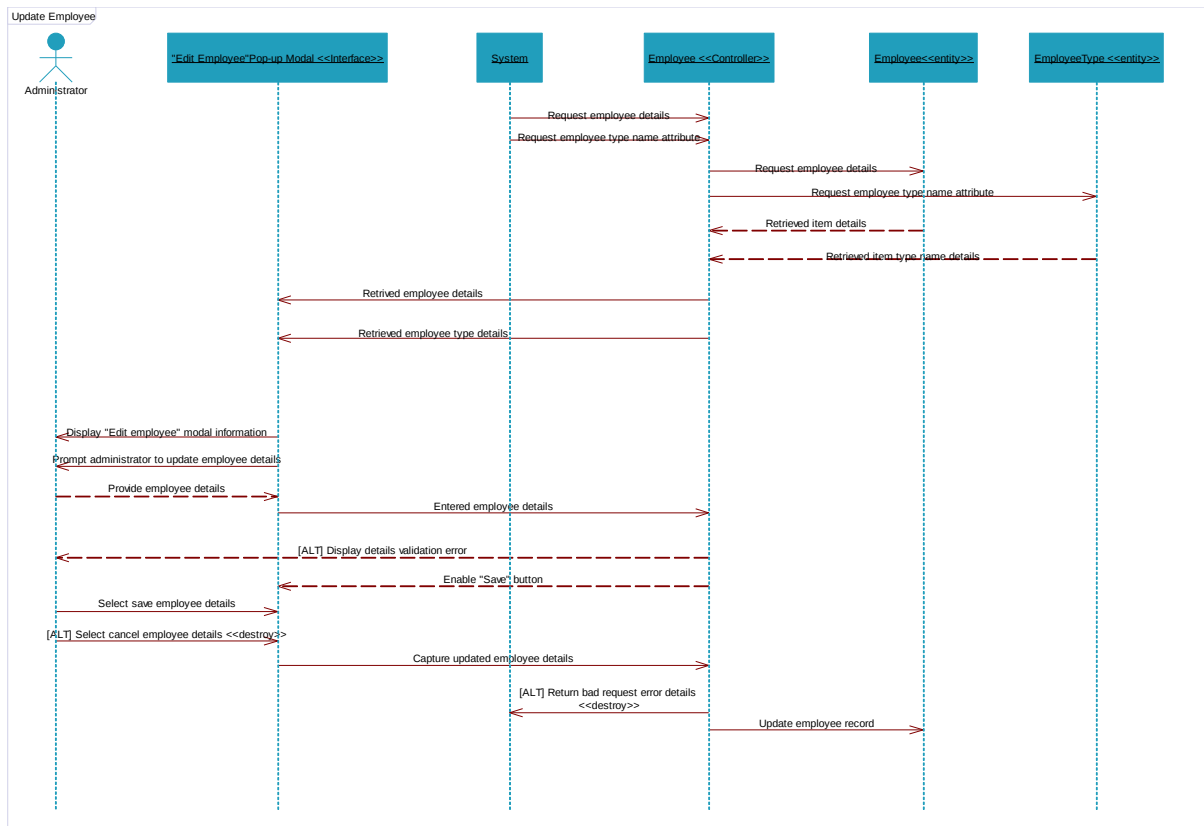


Figure 32: 6.3-Update Employee Sequence Diagram

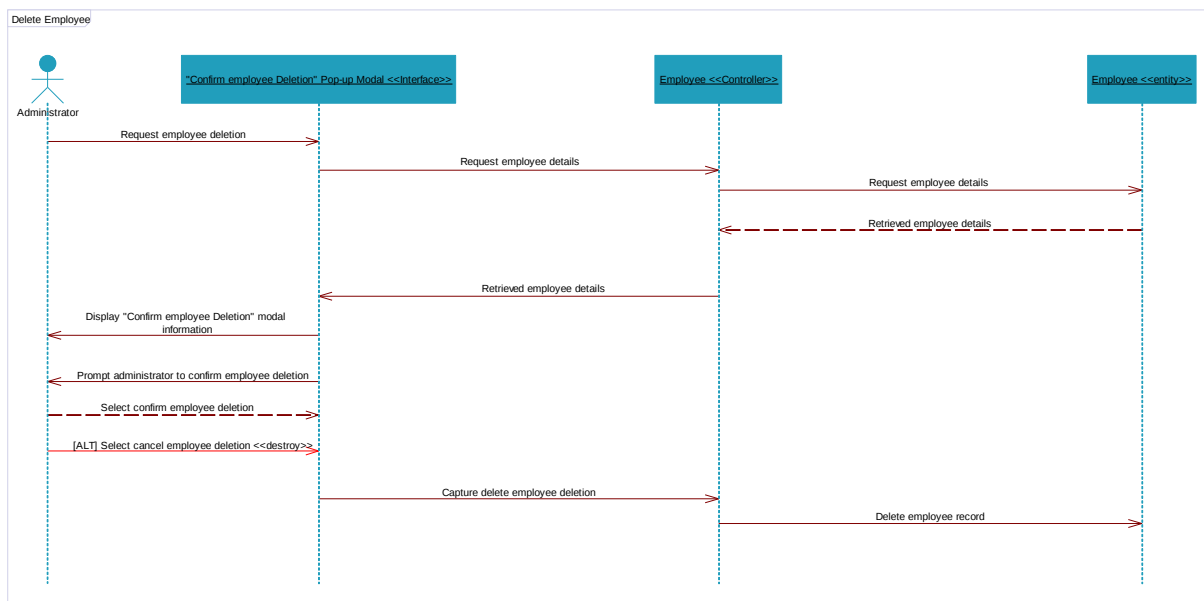


Figure 33: 6.4- Delete Employee Sequence Diagram



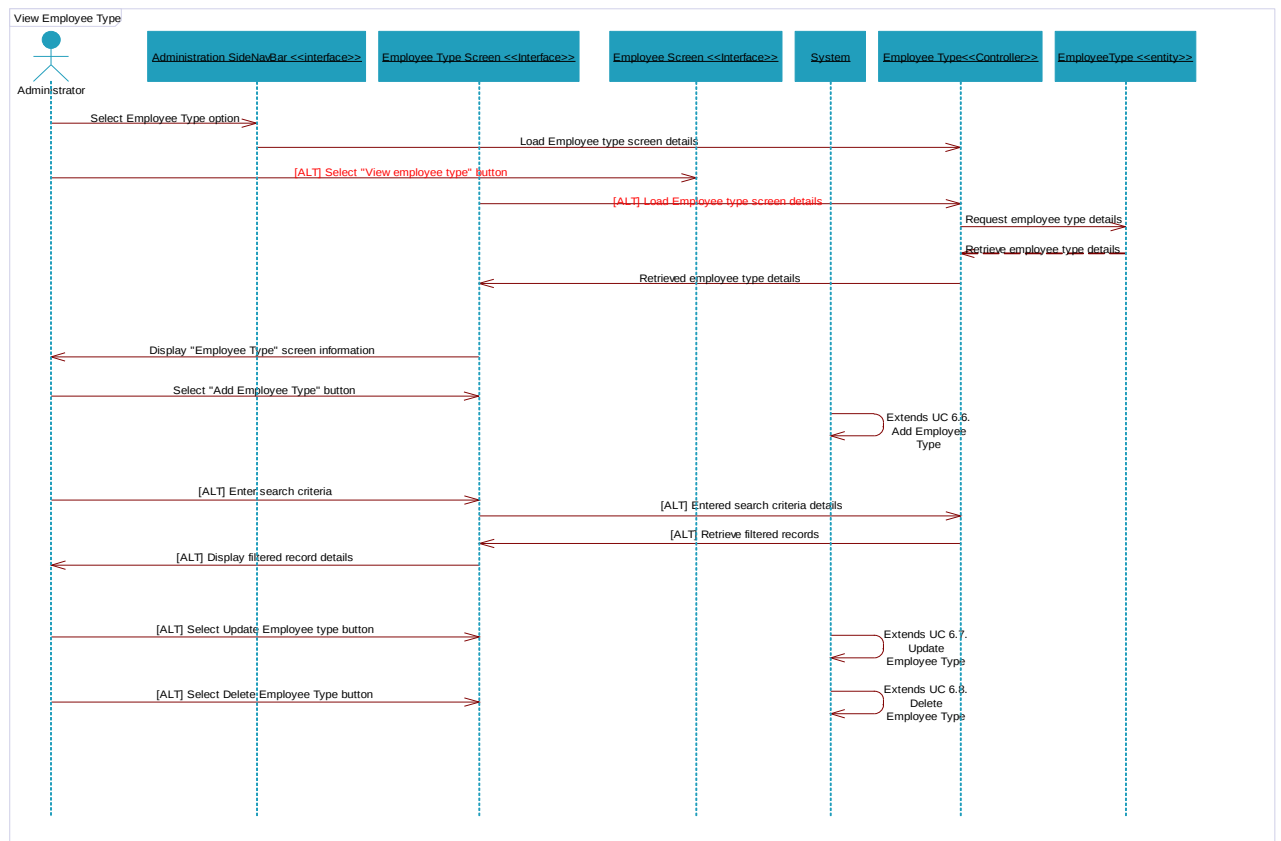


Figure 34: 6.5-View Employee Type Sequence Diagram



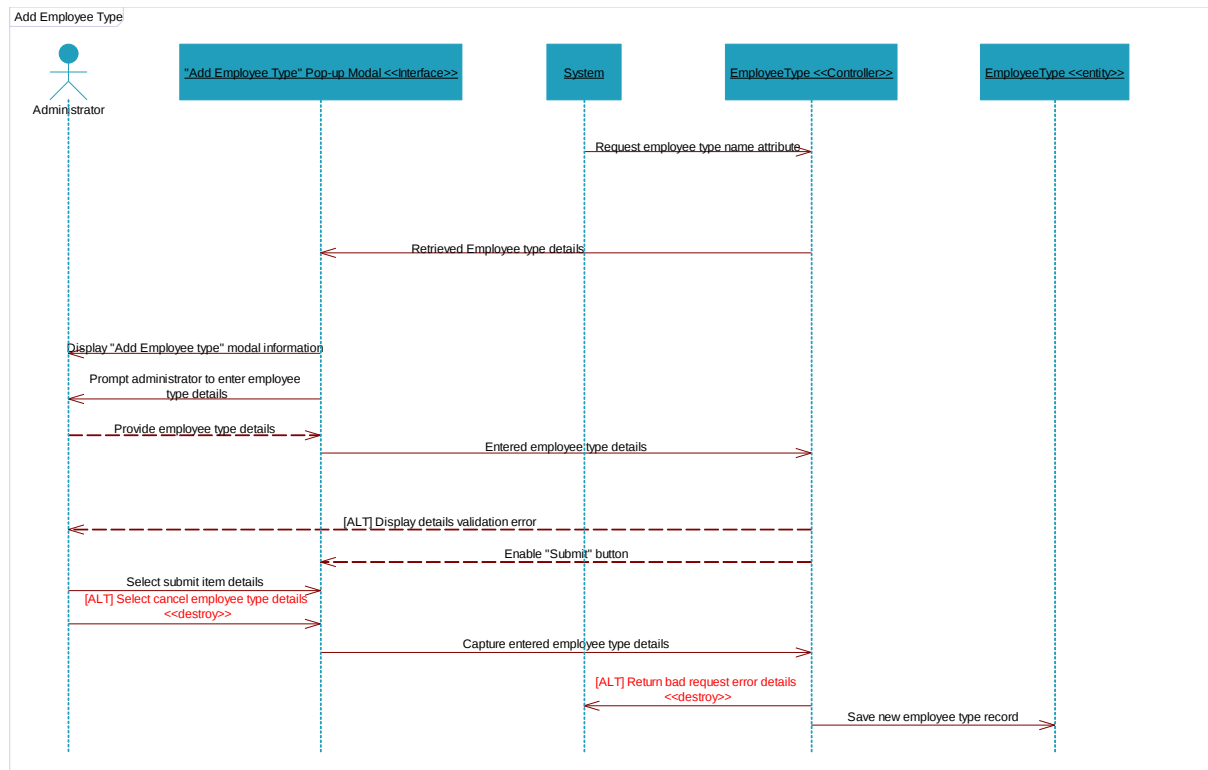


Figure 35:6.6- Add Employee Type Sequence Diagram



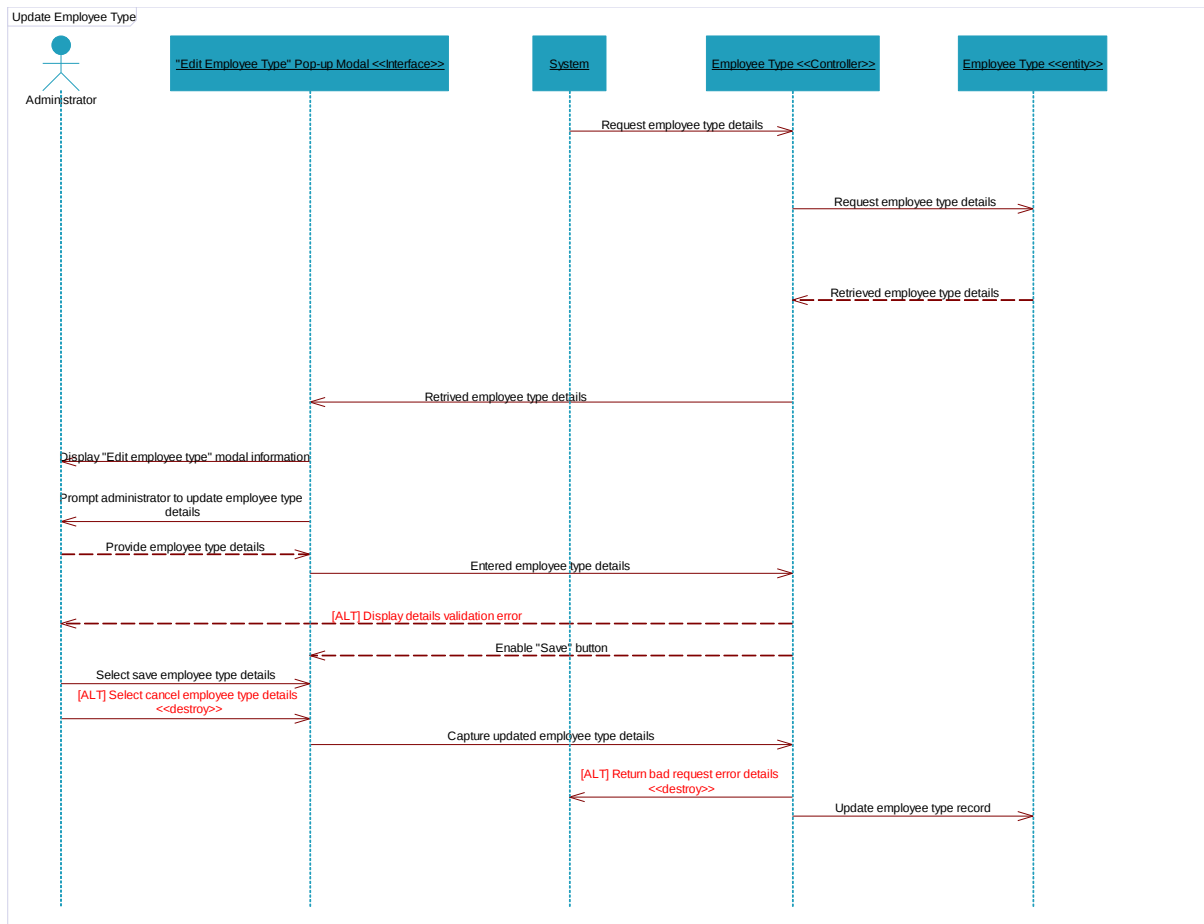


Figure 36:6.7-Update Employee Type Sequence Diagram

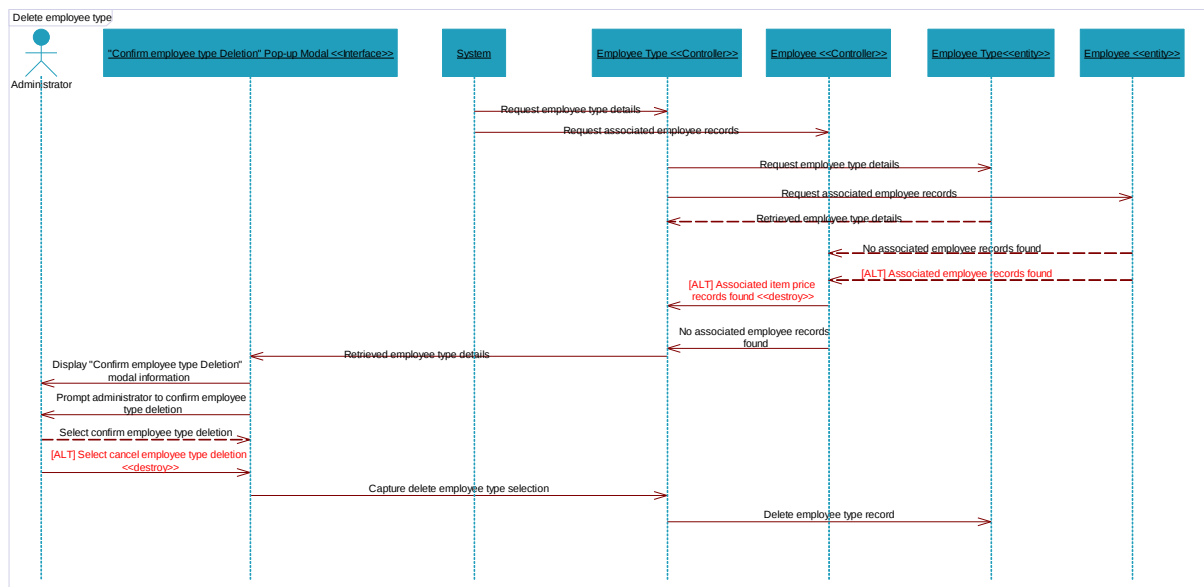


Figure 37: 6.8-Delete Employee Type Sequence Diagram



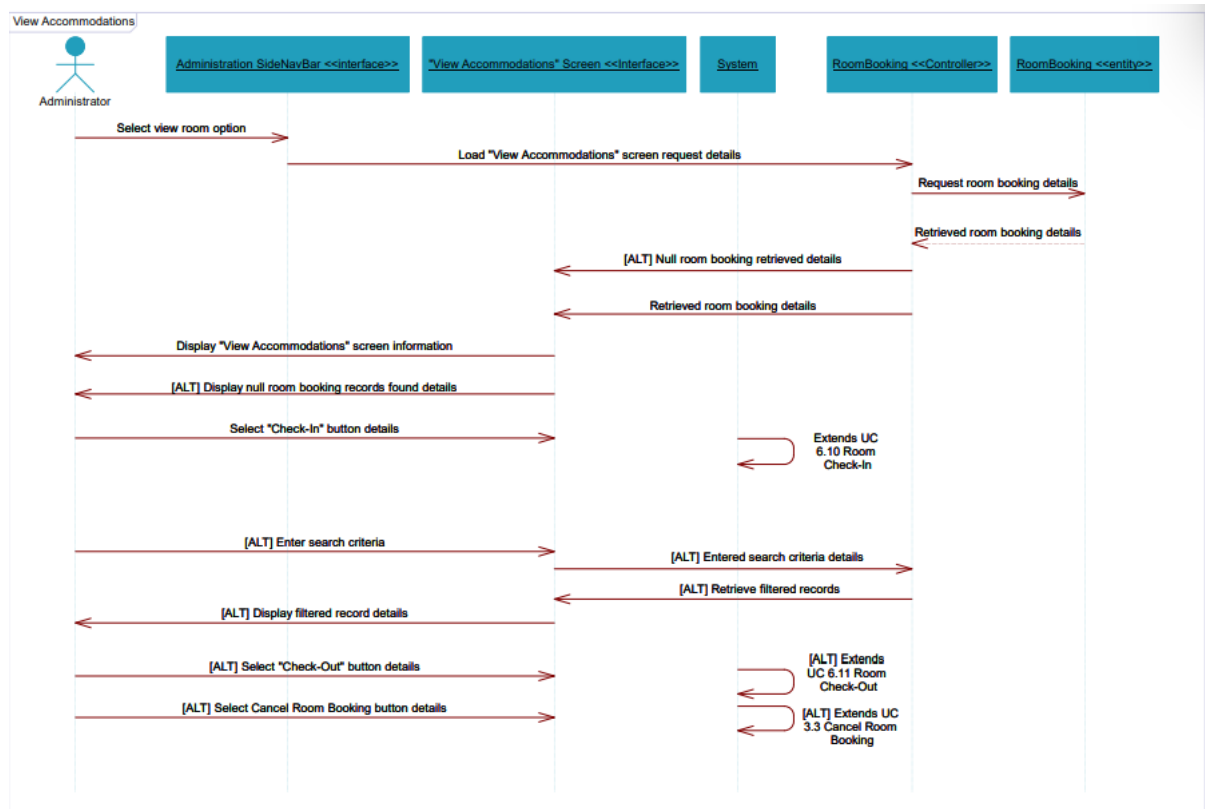


Figure 38:6.9-View Accommodations Sequence Diagram



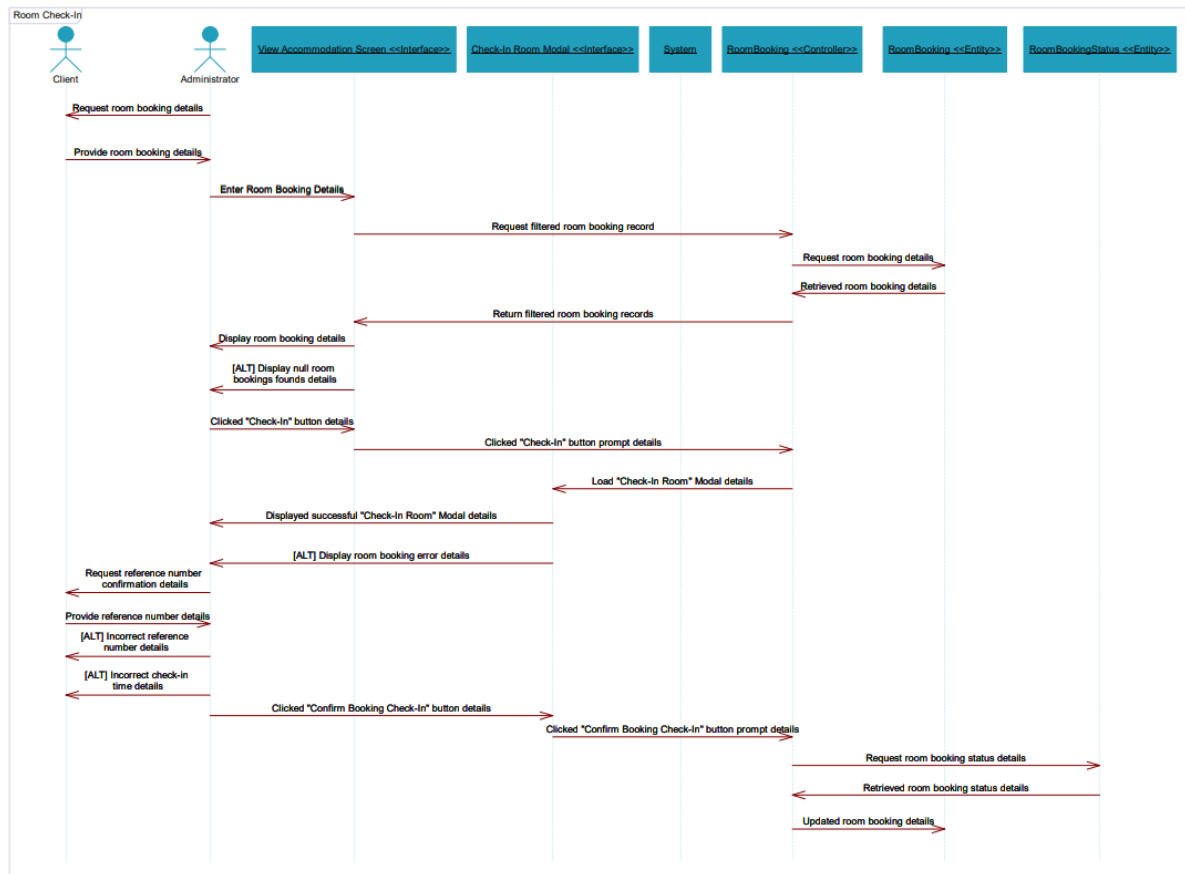


Figure 39:6.10-Room Check-In Sequence Diagram

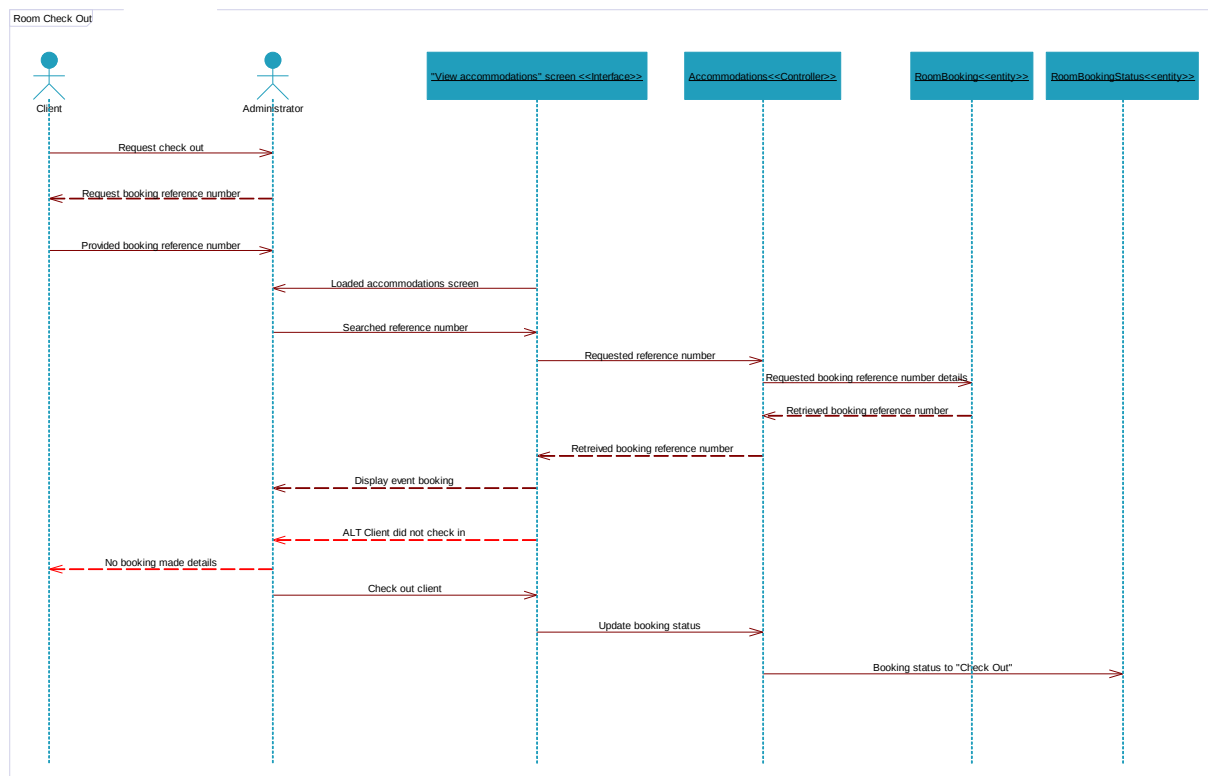


Figure 40:6.11-Room Check-Out Sequence Diagram



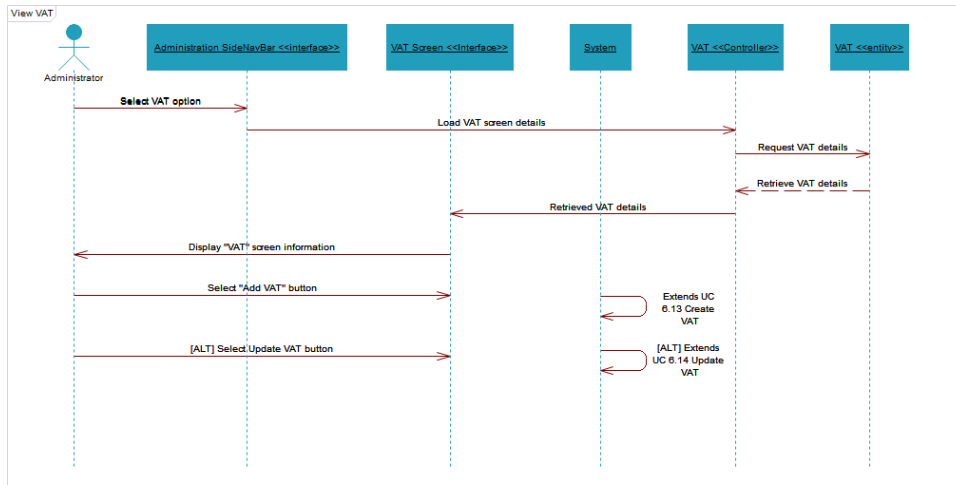


Figure 41: 6.12-View VAT Sequence Diagram

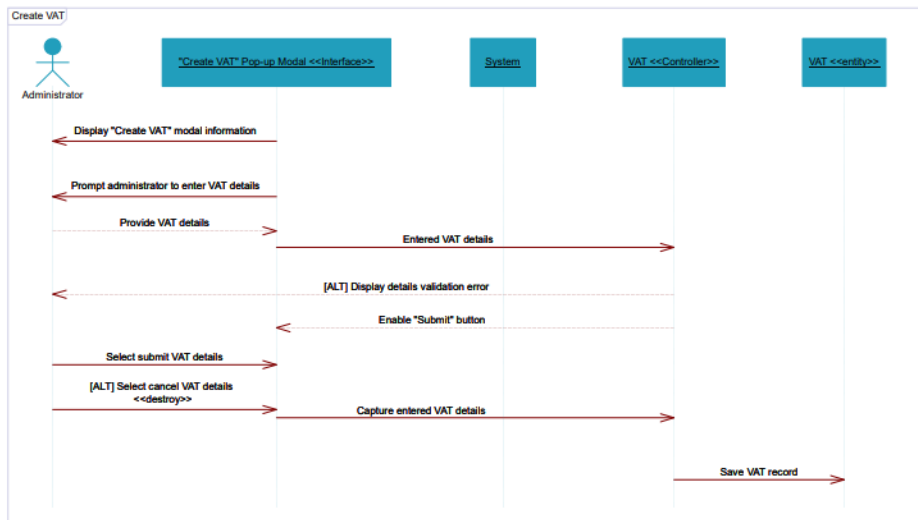


Figure 42: 6.13-Create VAT Sequence Diagram



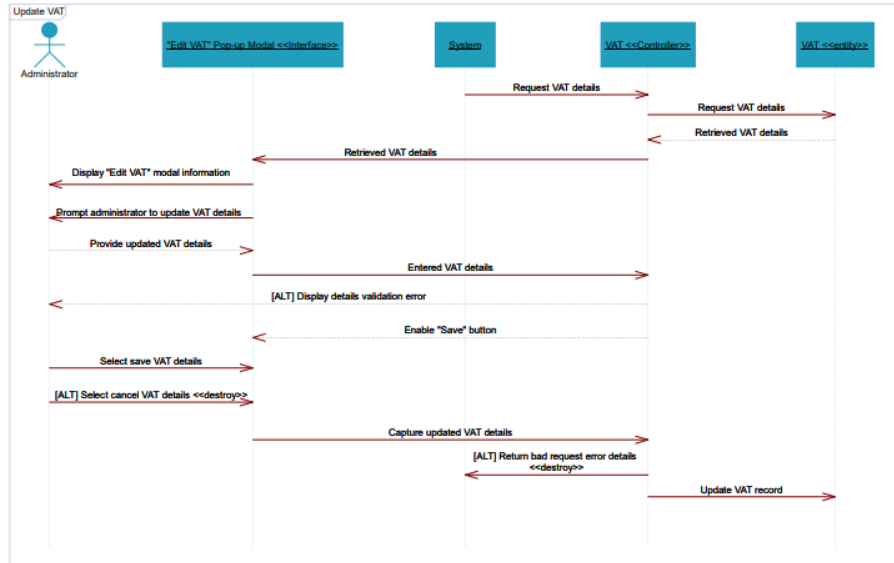


Figure 43: 6.14-Update VAT Sequence Diagram

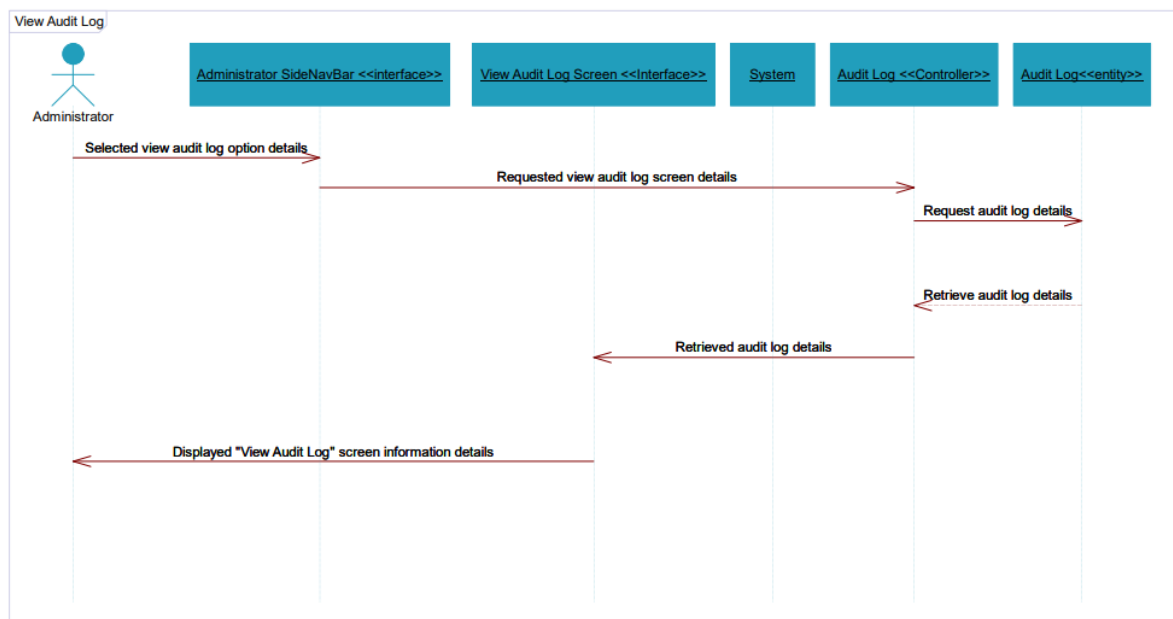


Figure 44: 6.15 View Audit Log Sequence Diagram



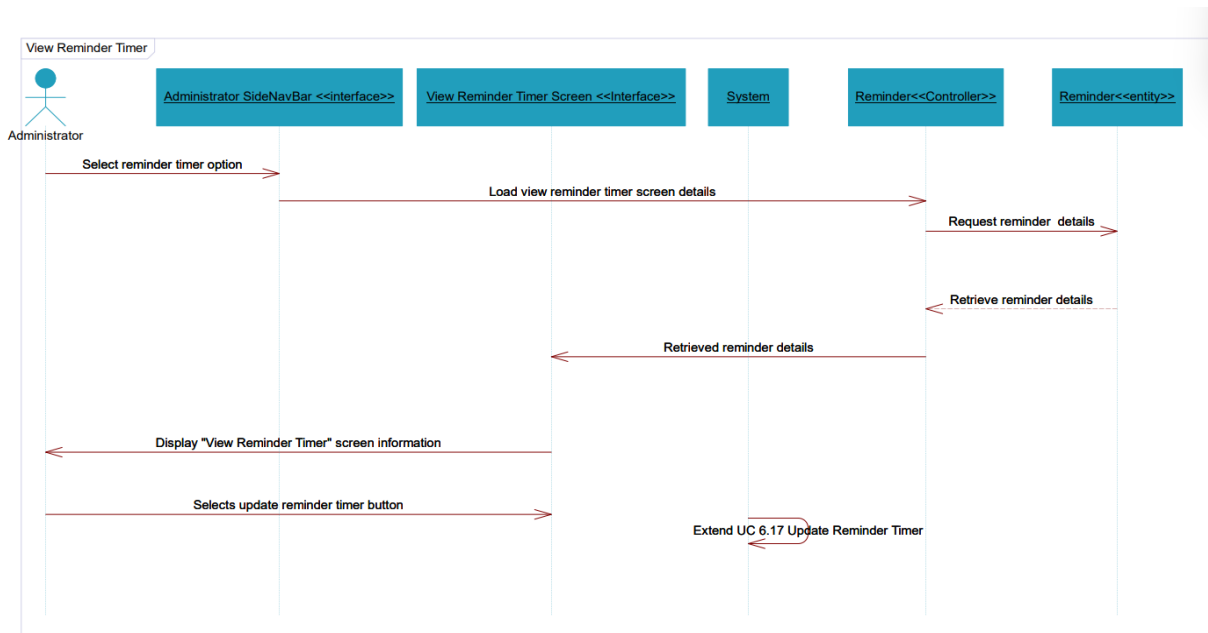


Figure 45:6.16-View Reminder Timer Sequence Diagram

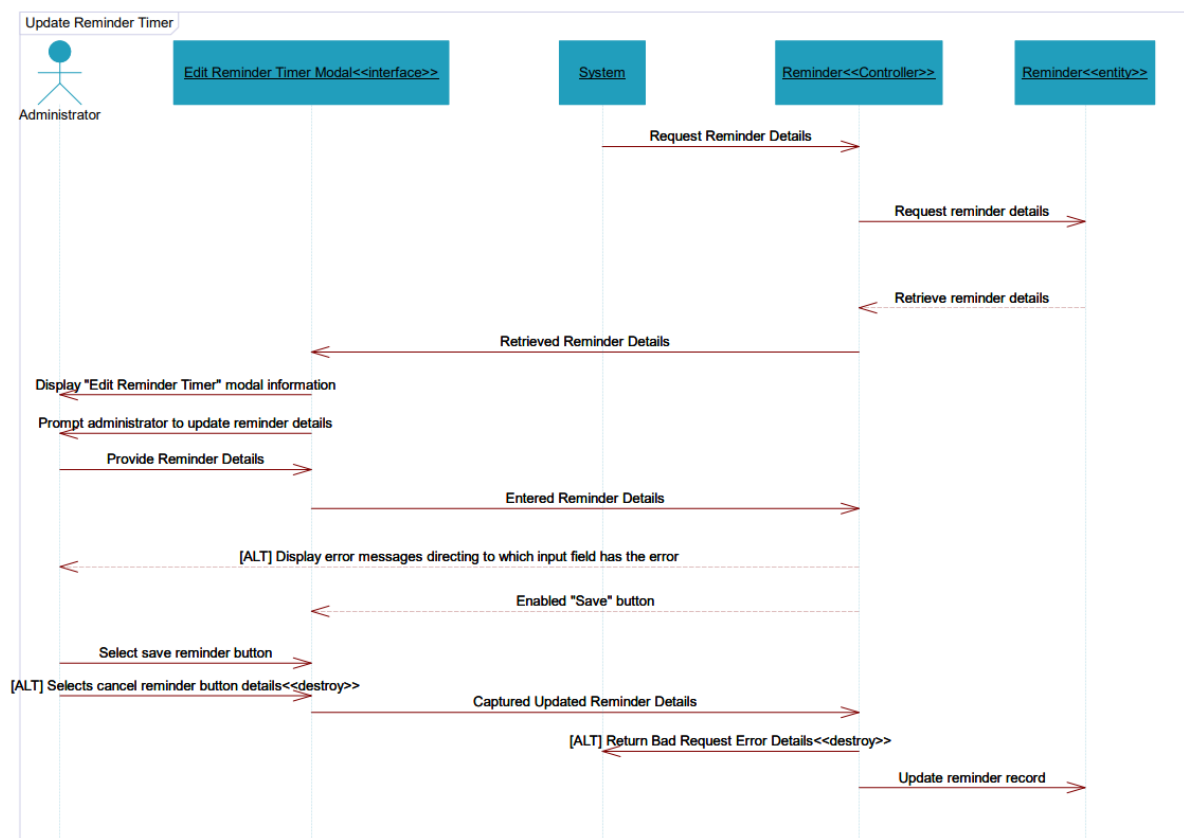


Figure 46:6.17-Update Reminder Timer Sequence Diagram



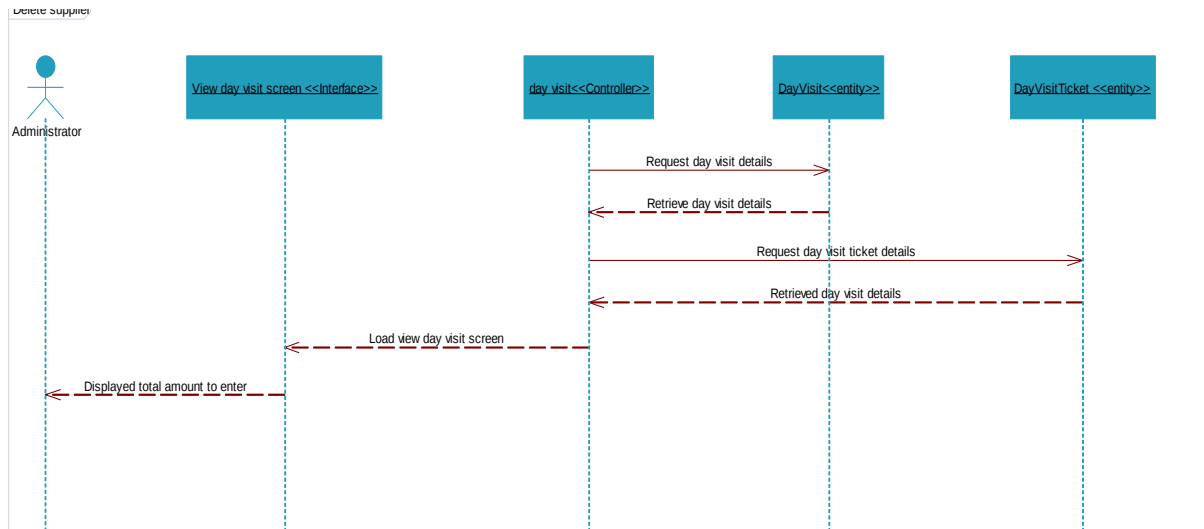


Figure 47: 6.18- View Day Visits Sequence Diagram

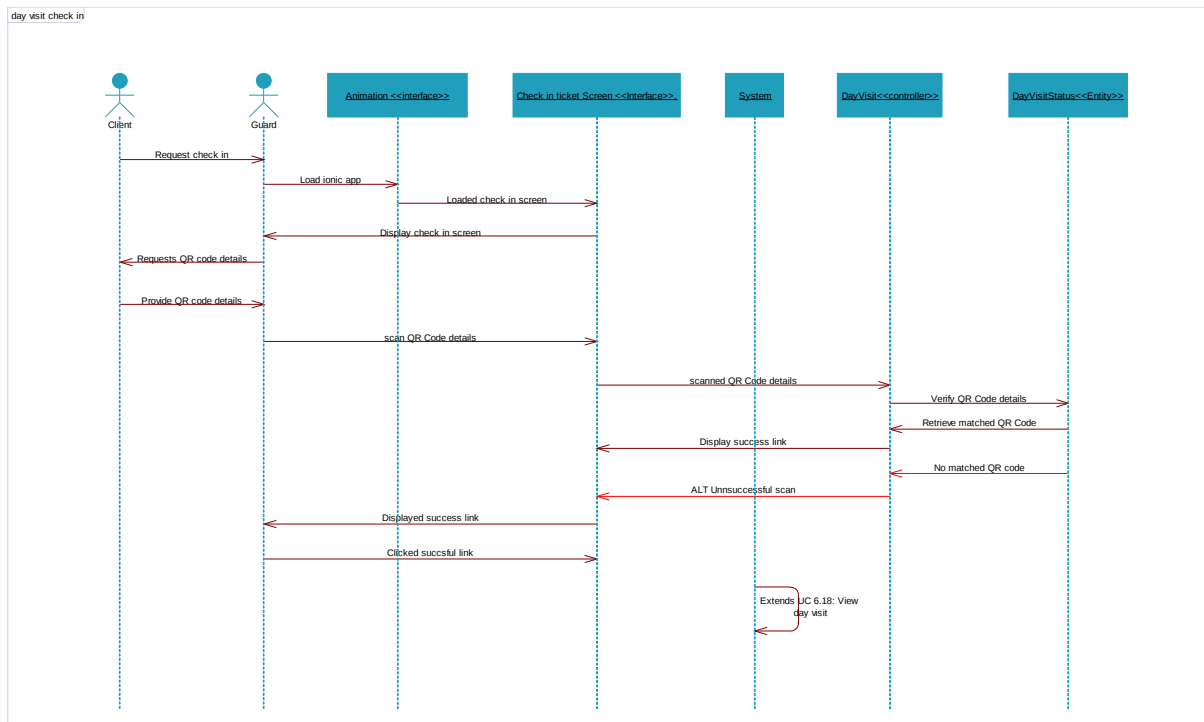


Figure 48:6.19-Day Visit Check-In Sequence Diagram



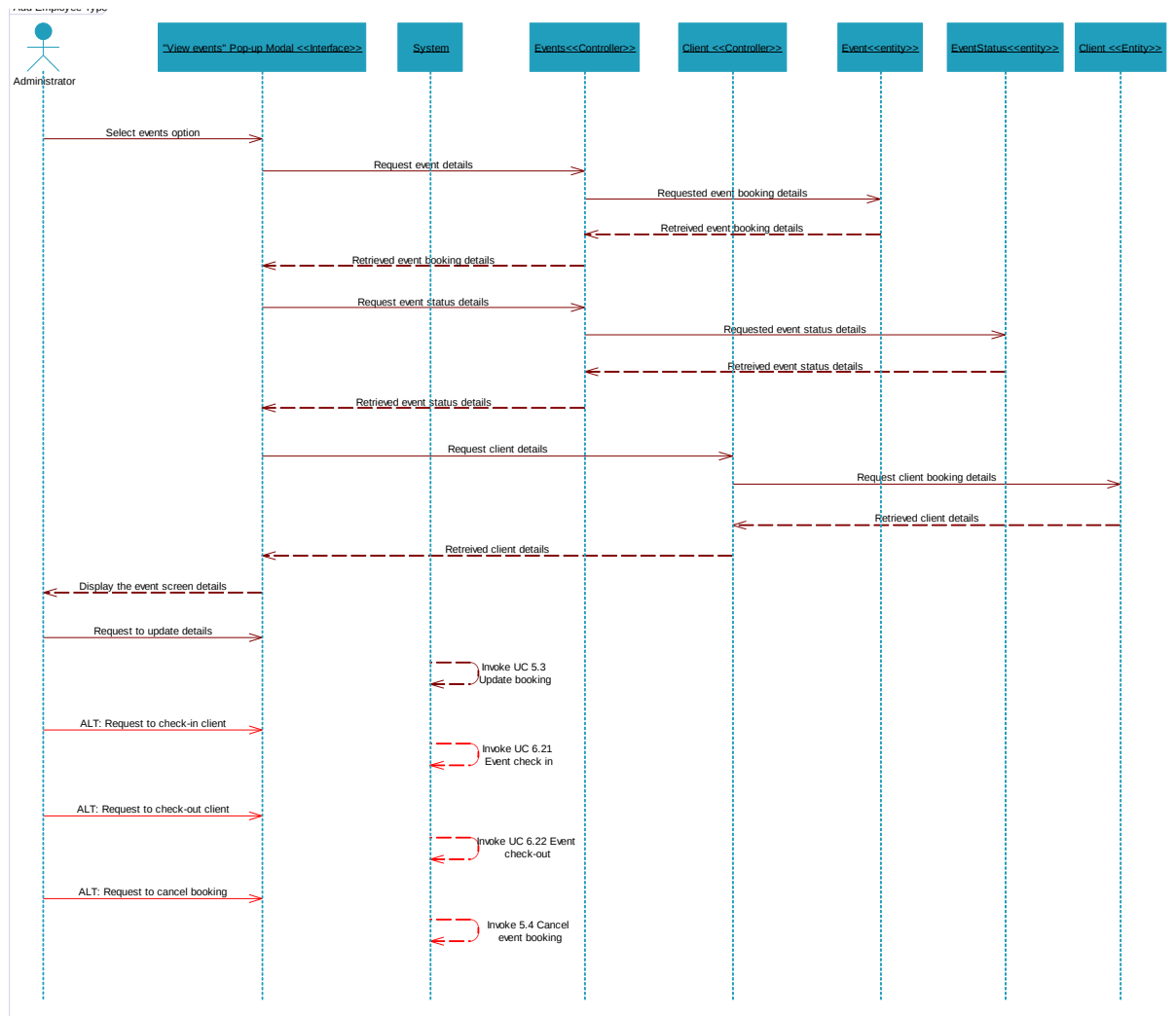


Figure 49:6.20-View Events Sequence Diagram



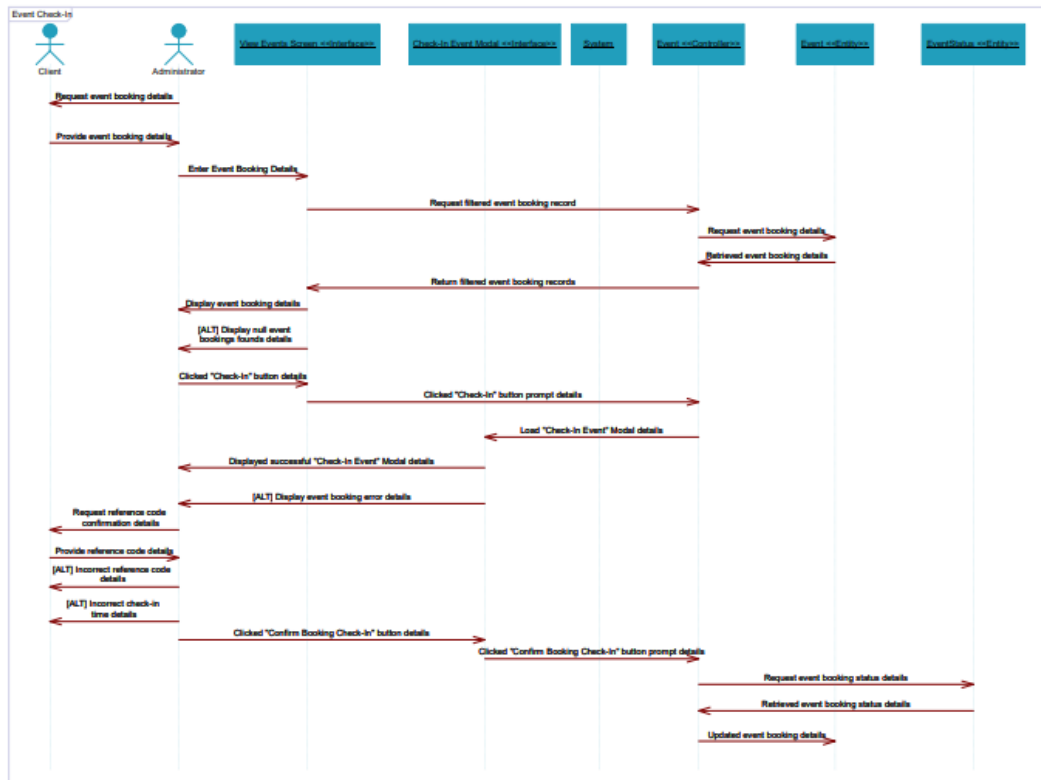


Figure 50: 6.21-Event Check-In Sequence Diagram

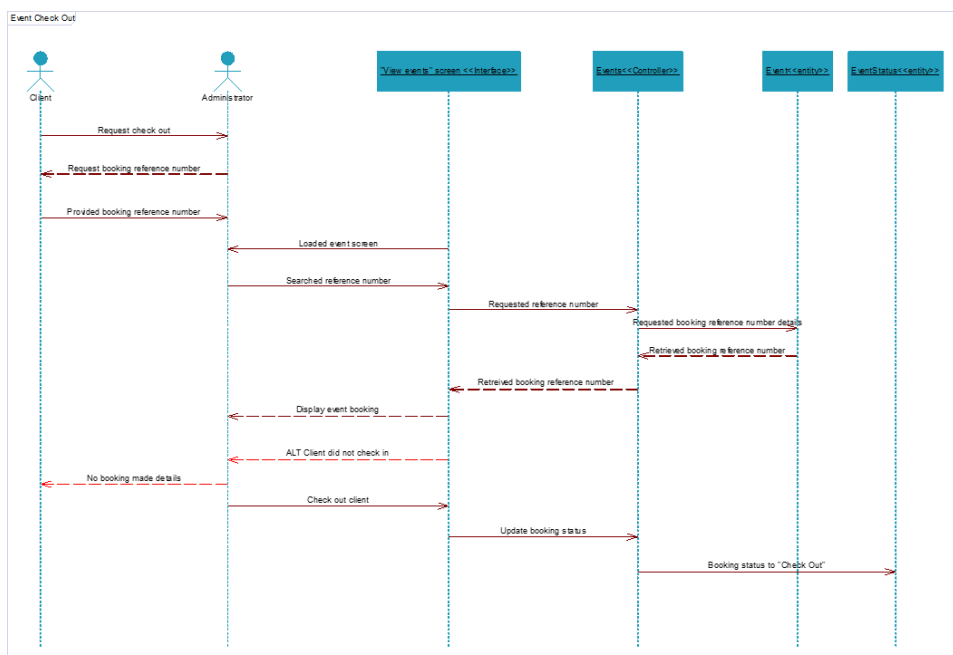


Figure 51: 6.22-Event Check-Out Sequence Diagram



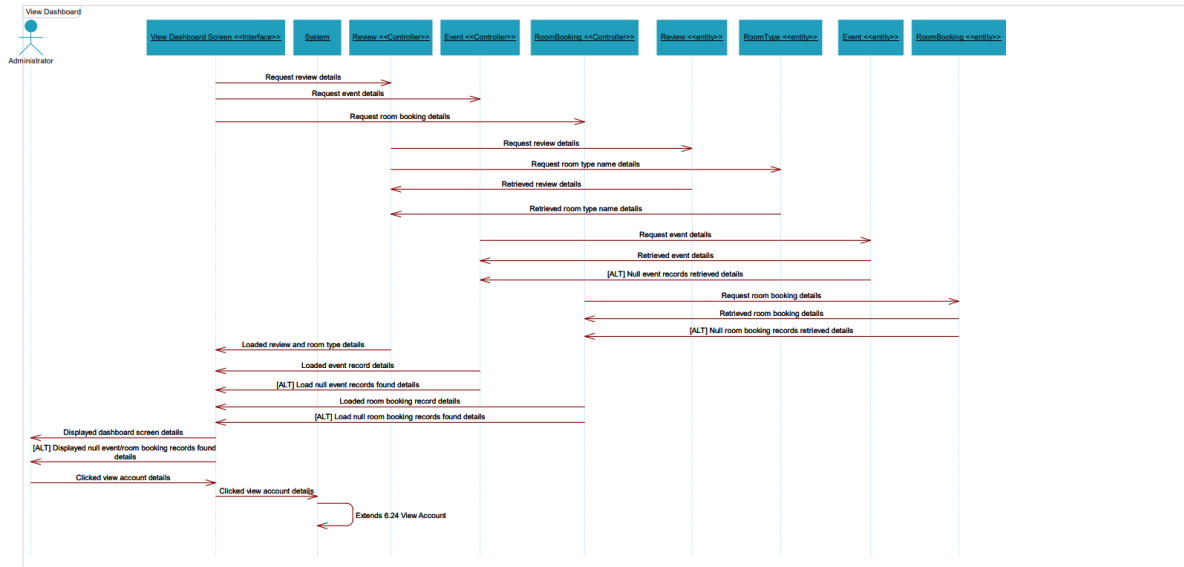


Figure 52: 6.23 View Dashboard Sequence Diagram

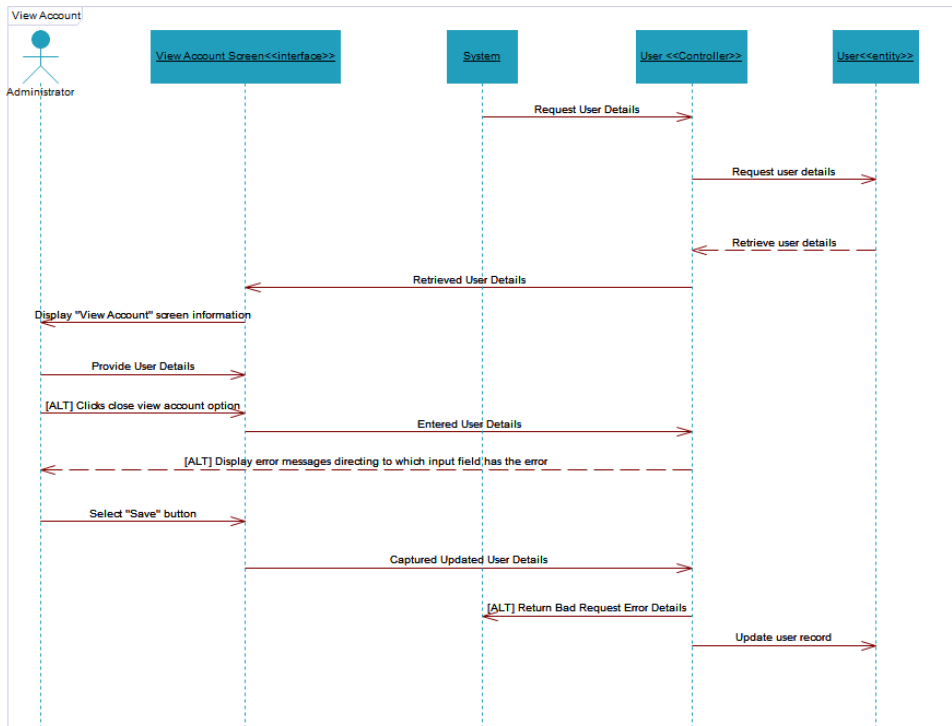


Figure 53: 6.24-View Account Sequence Diagram



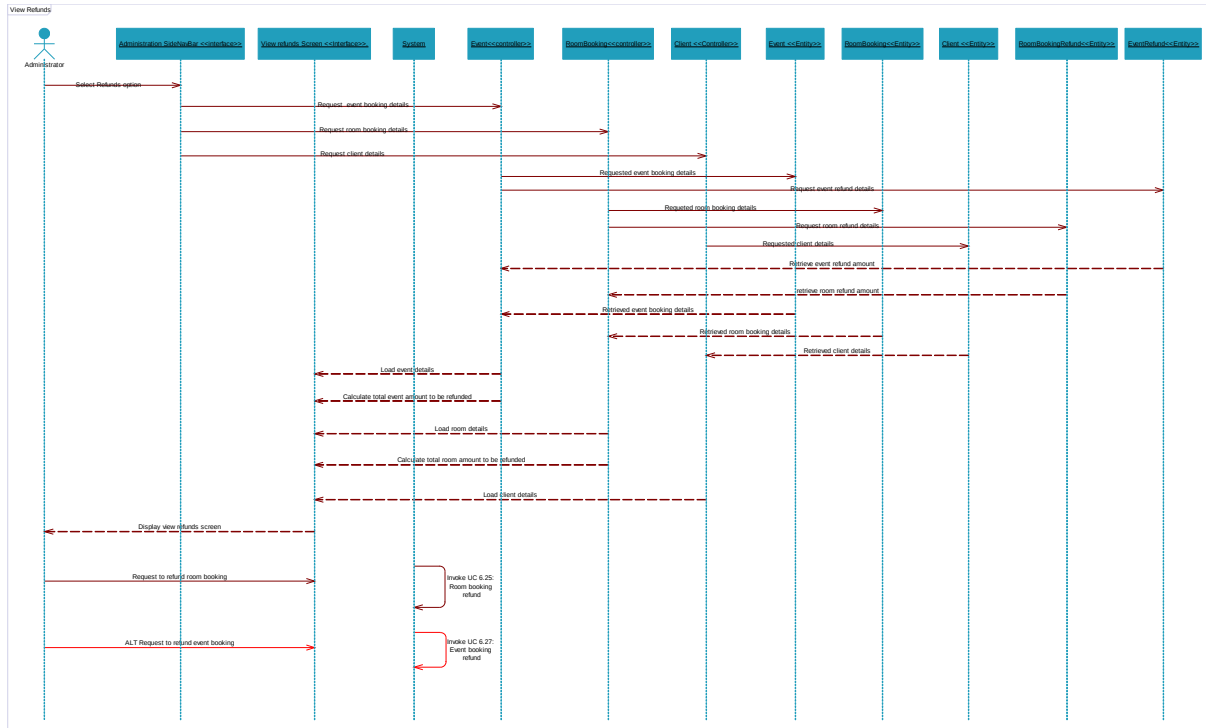


Figure 54:6.25-View Refunds Sequence Diagram

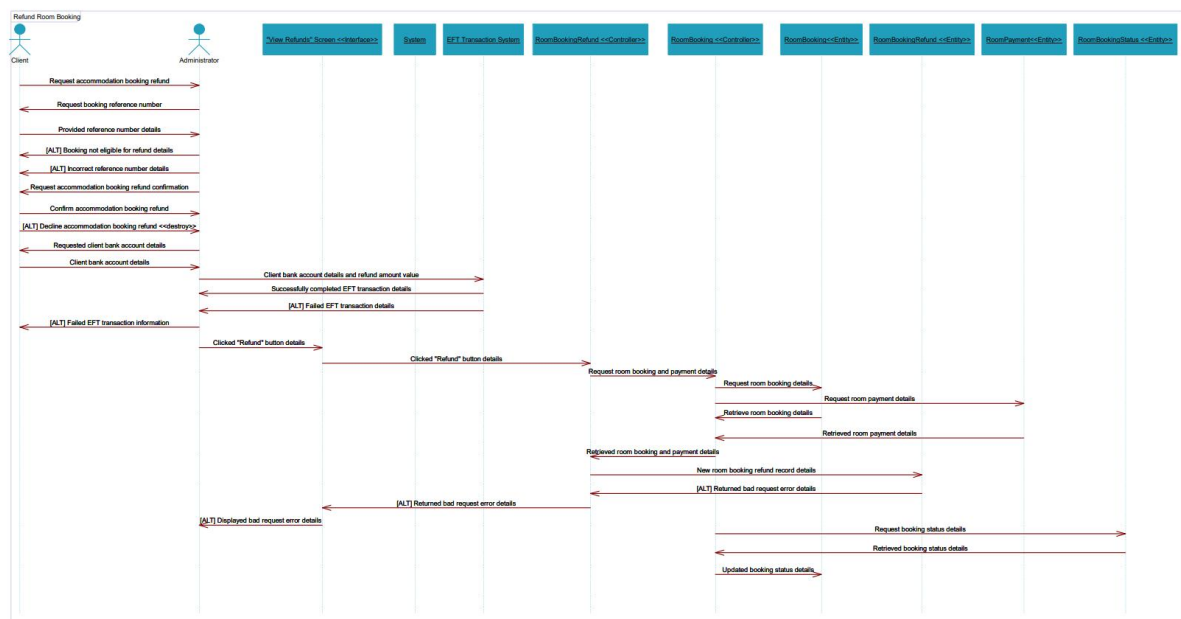


Figure 55: 6.26 Refund Room Booking Sequence Diagram



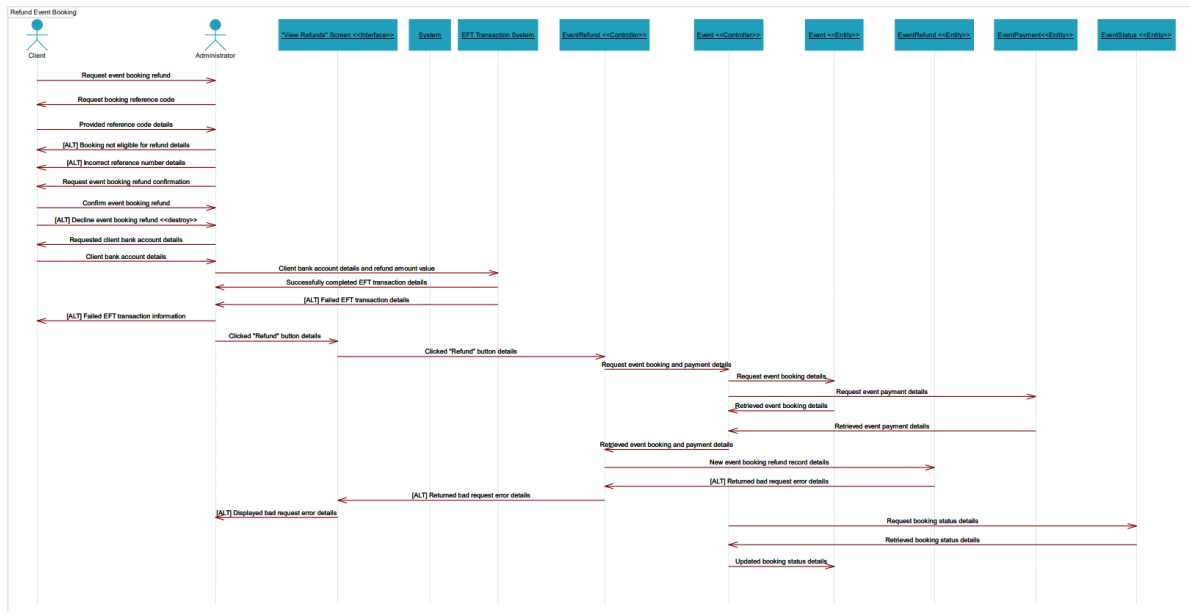


Figure 56: 6.27 Refund Event Booking Sequence Diagram



2.7. Subsystem 7 – Inventory

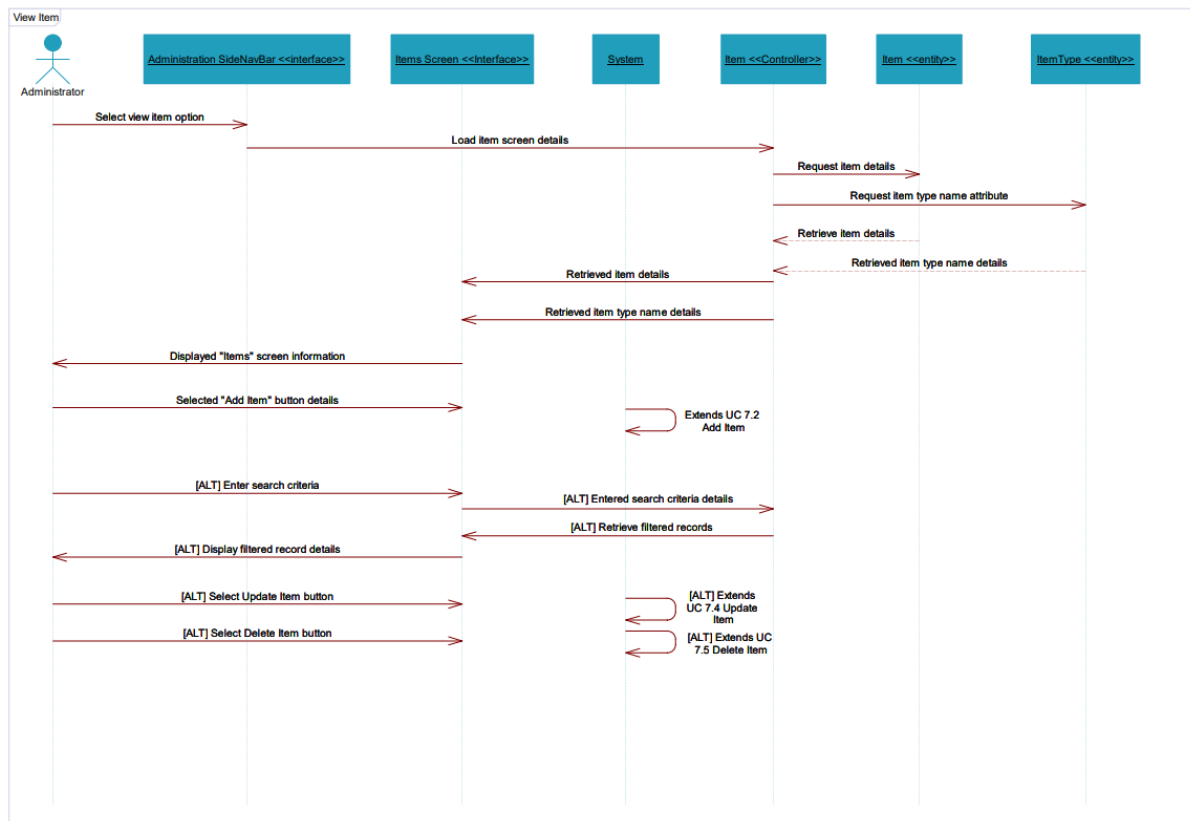


Figure 57: 7.1 View Item Sequence Diagram



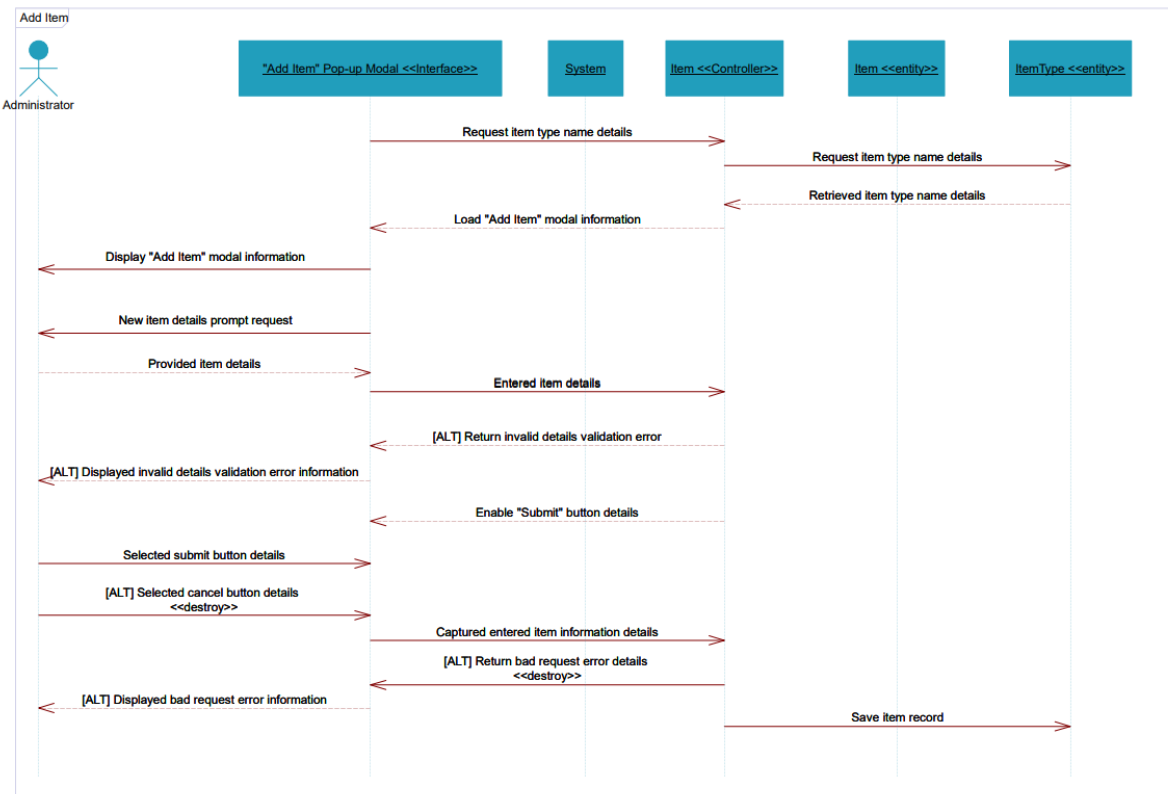


Figure 58: 7.2 Add Item Sequence Diagram



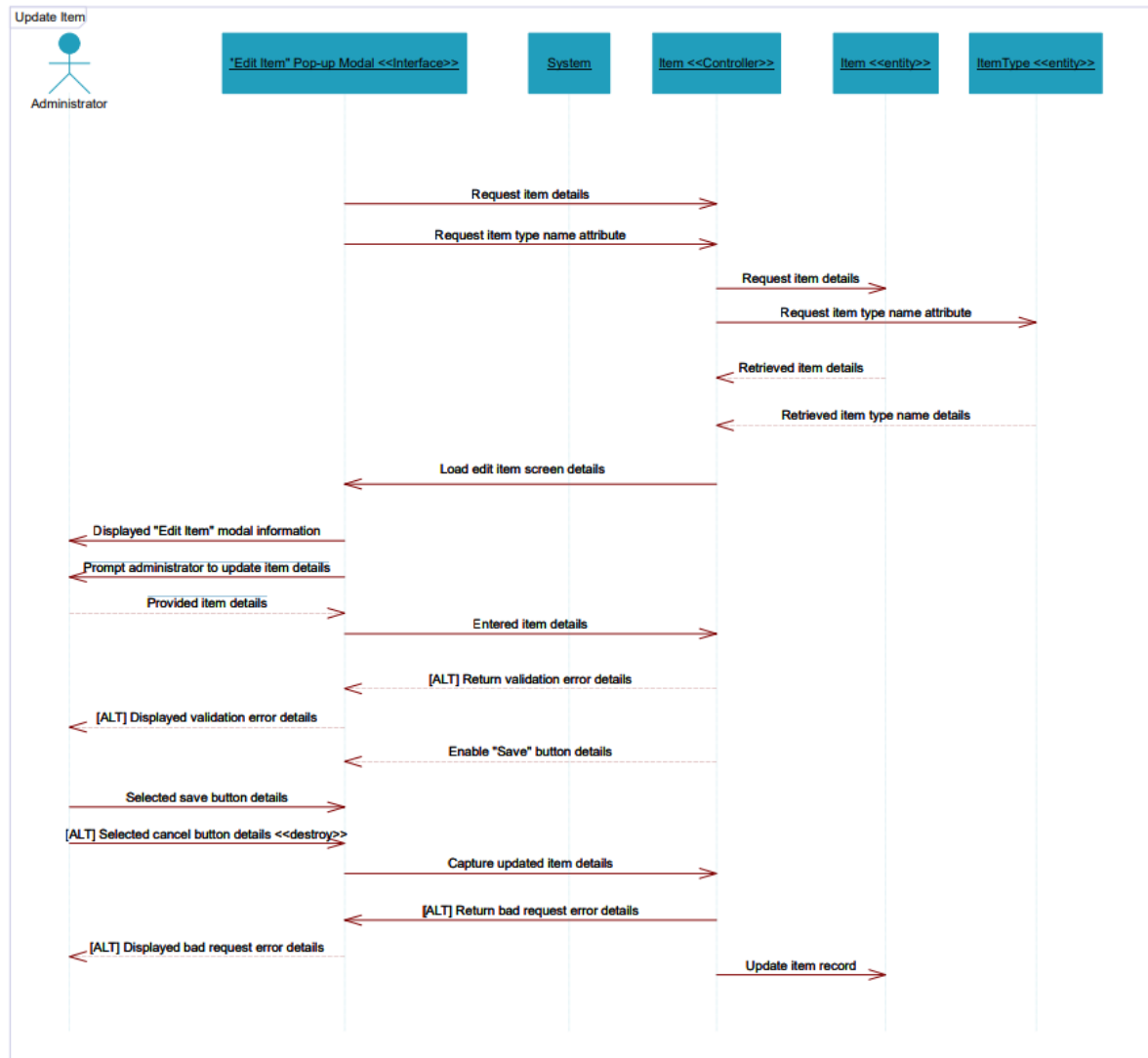


Figure 59: 7.3 Update Item Sequence Diagram



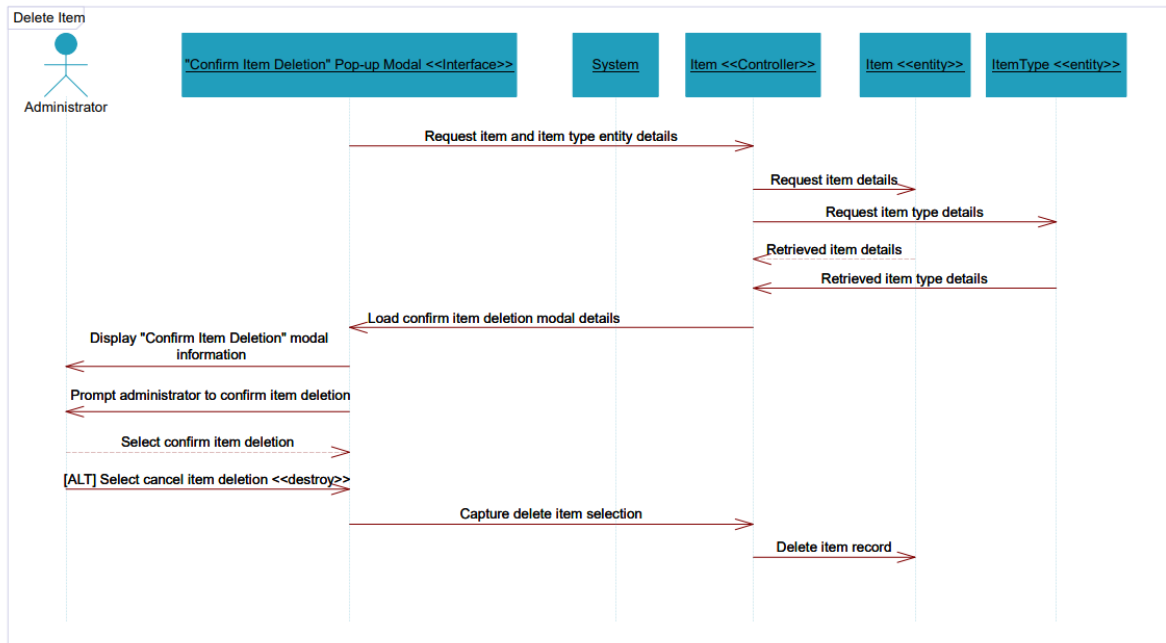


Figure 60: 7.4 Delete Item Sequence Diagram

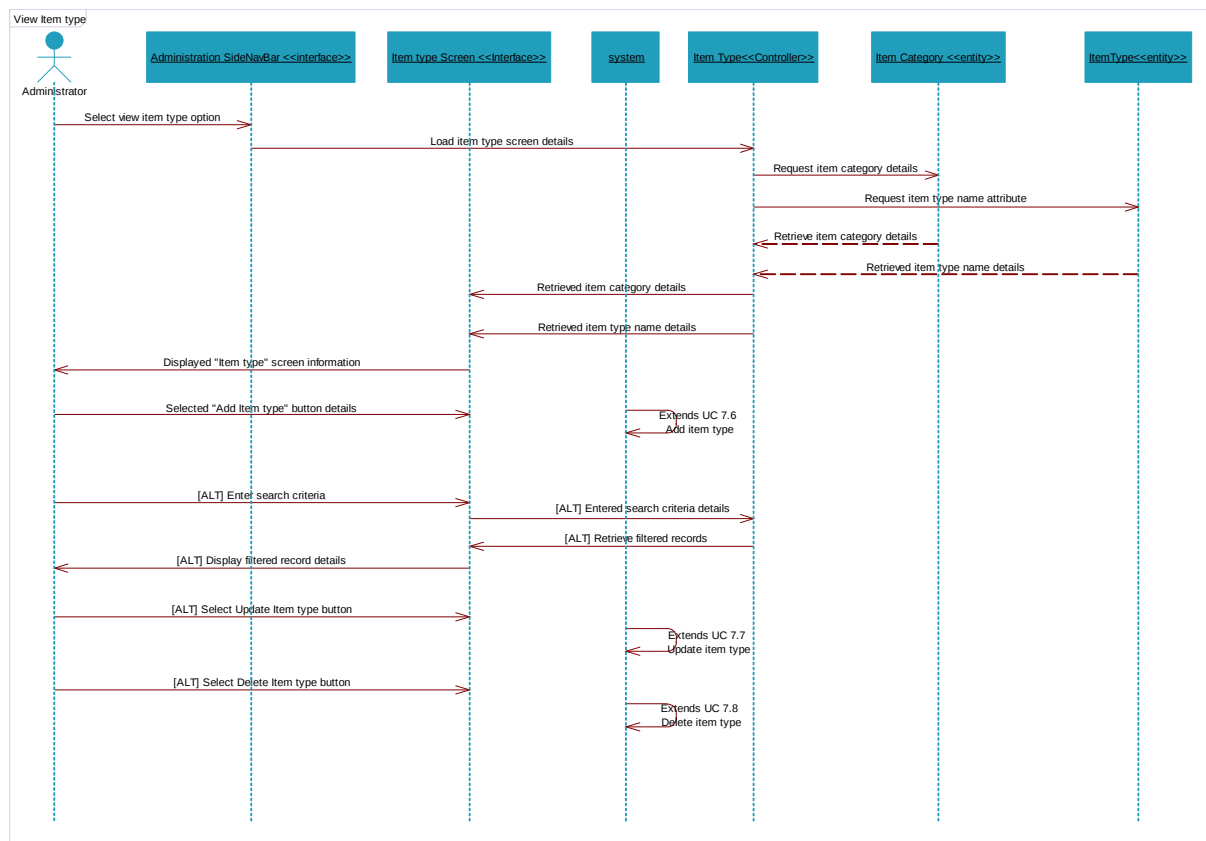


Figure 61:7.5-View Item Type Sequence Diagram



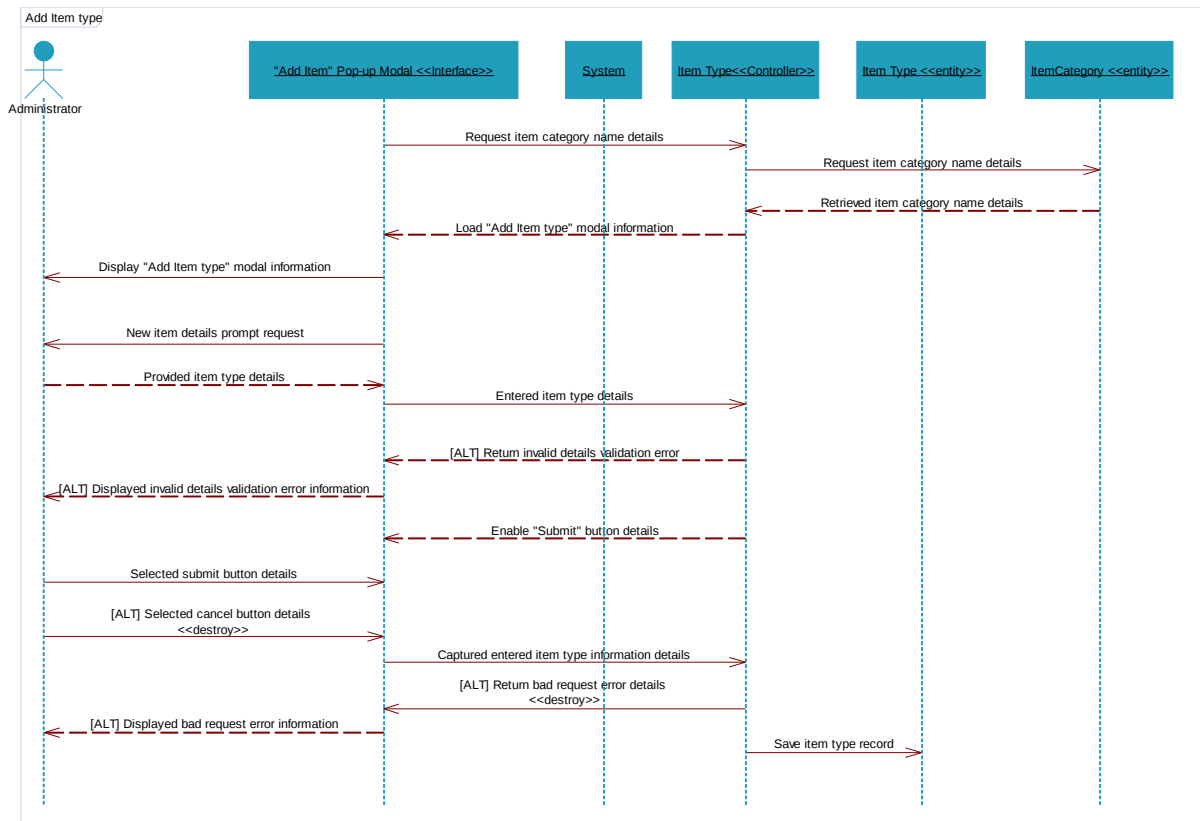


Figure 62:7.6-Add Item Type Sequence Diagram



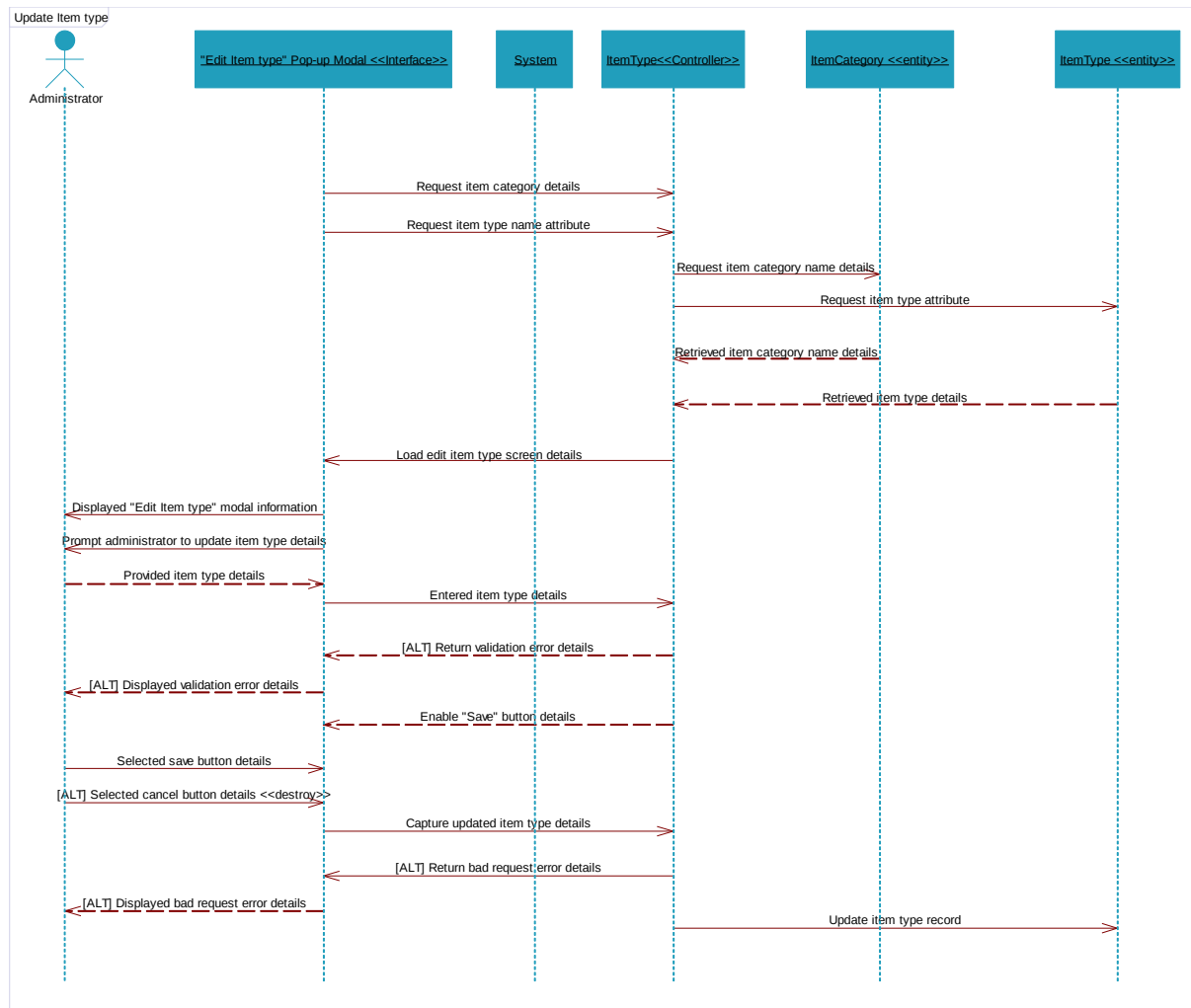


Figure 63:7.7-Update Item Type Sequence Diagram



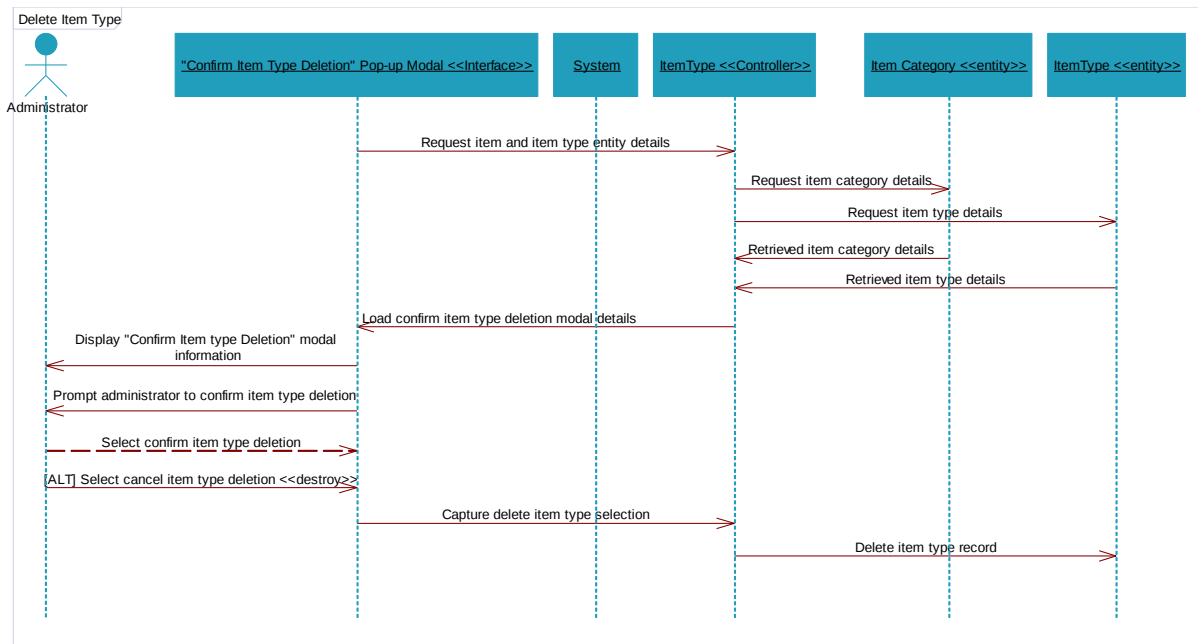


Figure 64.7.8- Delete Item Type Sequence Diagram

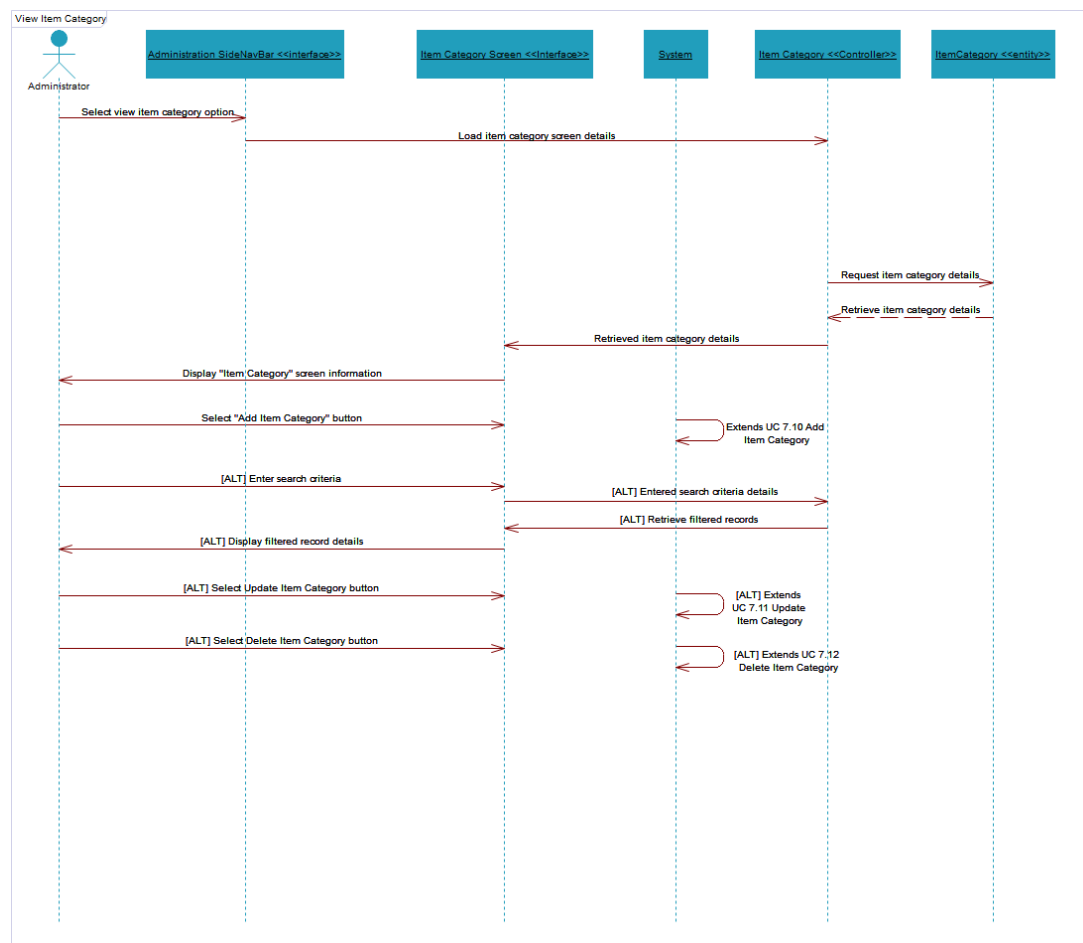


Figure 65: 7.9-View Item Category Sequence Diagram



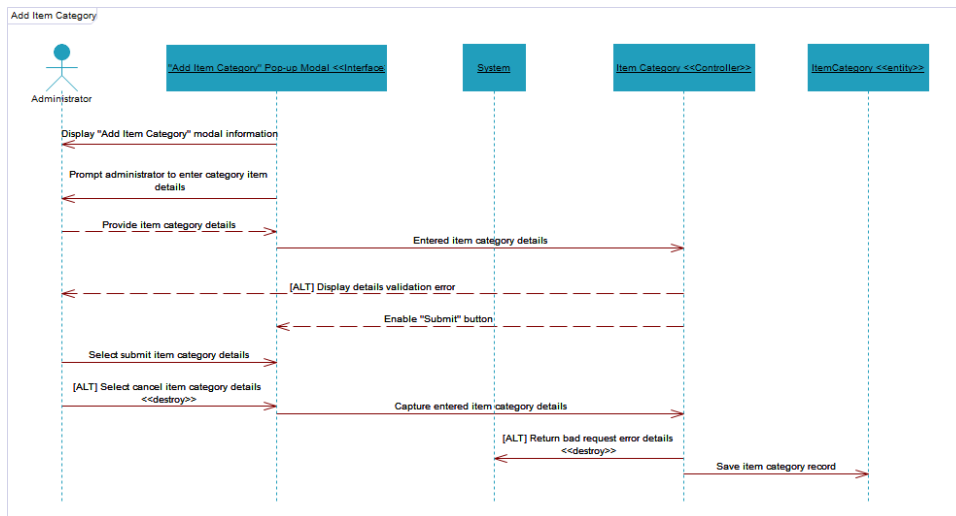


Figure 66:7.10- Add Item Category Sequence Diagram

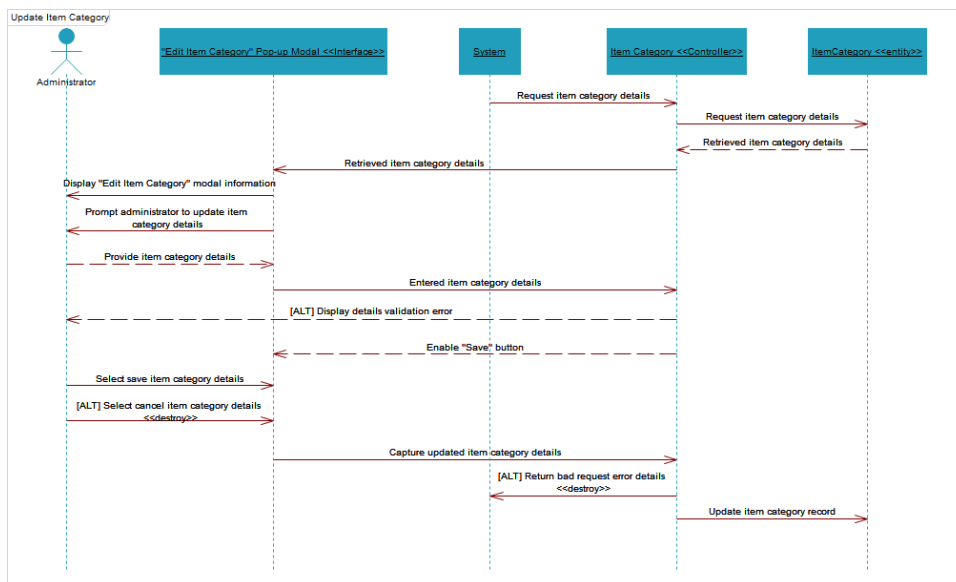


Figure 67: 7.11-Update Item Category Sequence Diagram



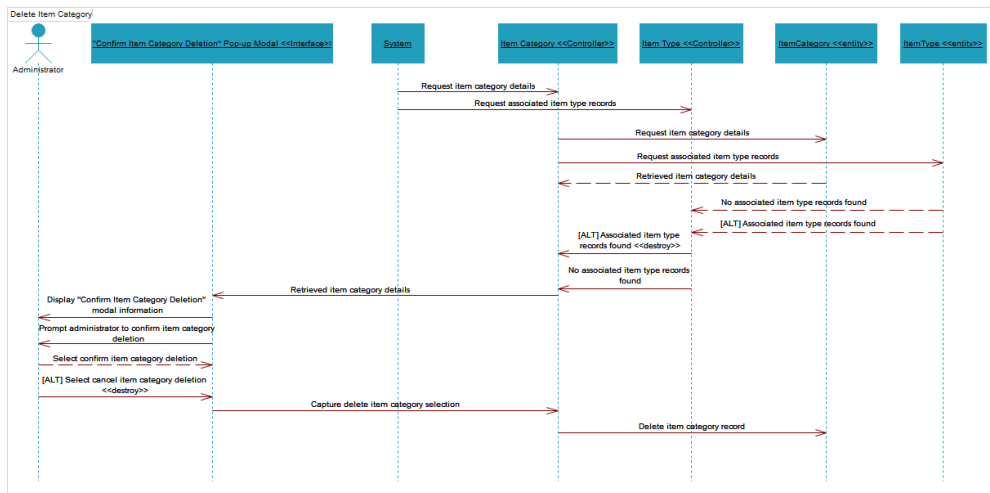


Figure 68:7.12-Delete Item Category Sequence Diagram

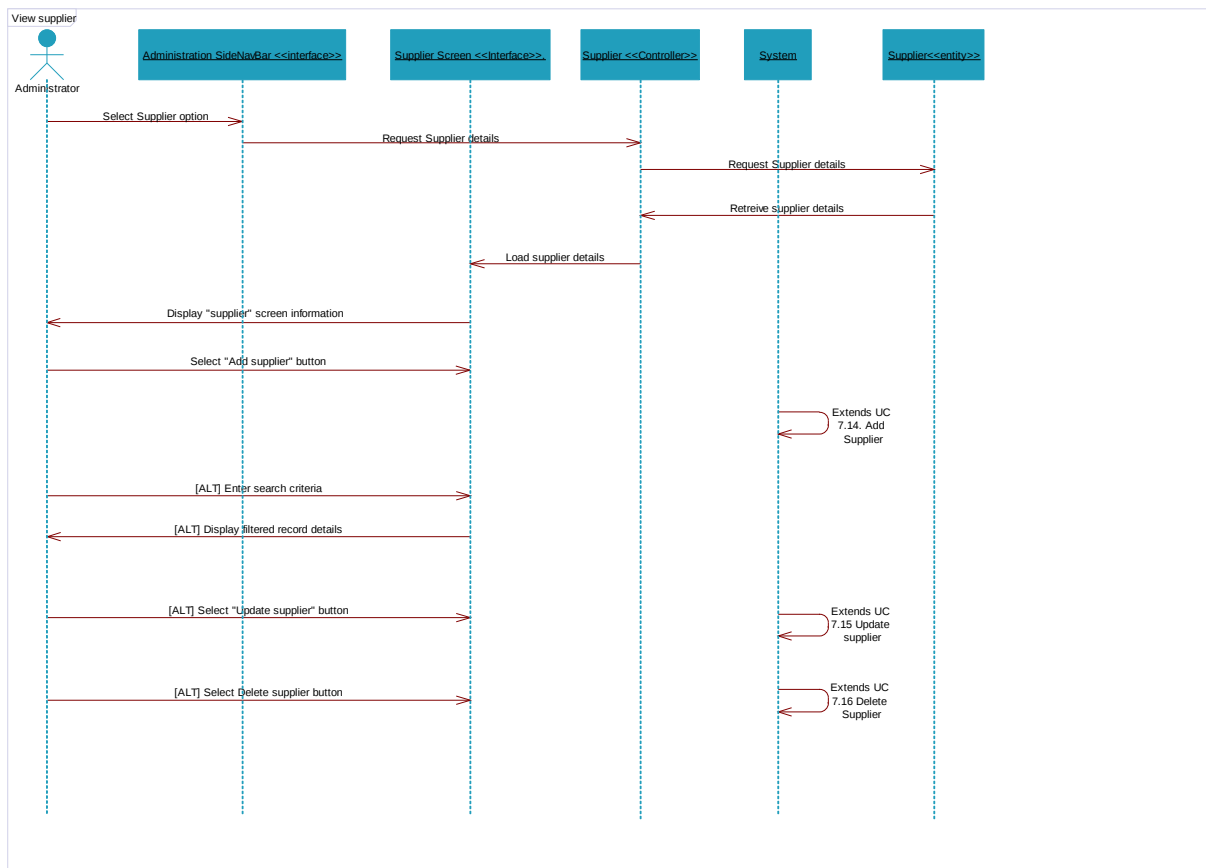


Figure 69:7.13-View Supplier Sequence Diagram



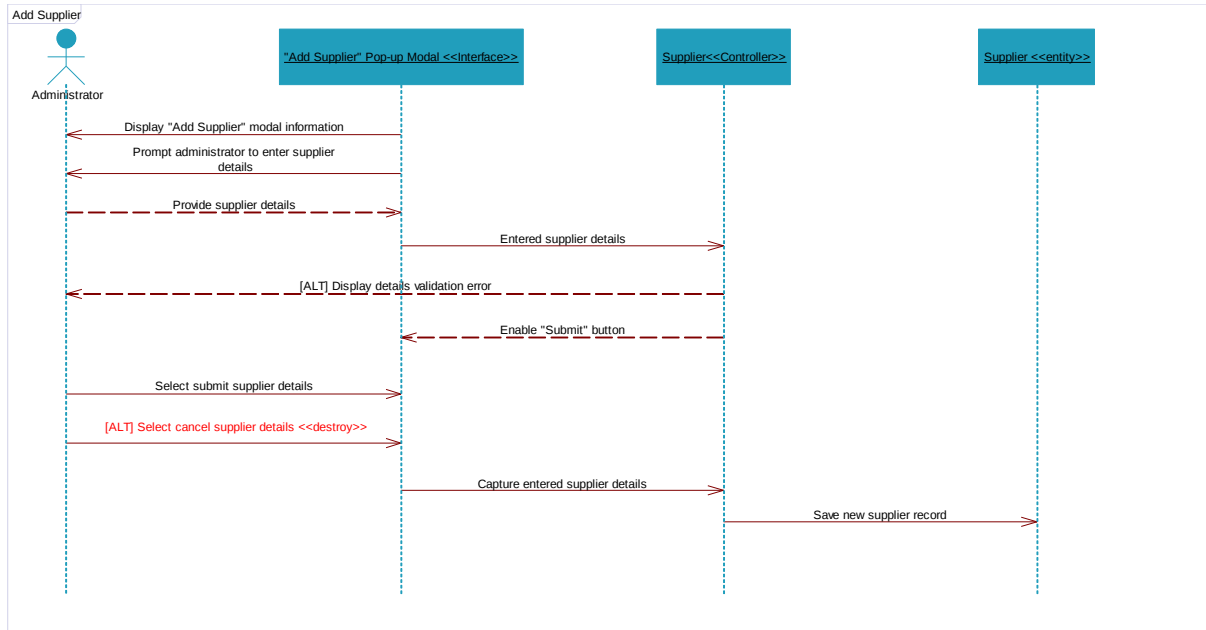


Figure 70:7.14-Add Supplier Sequence Diagram

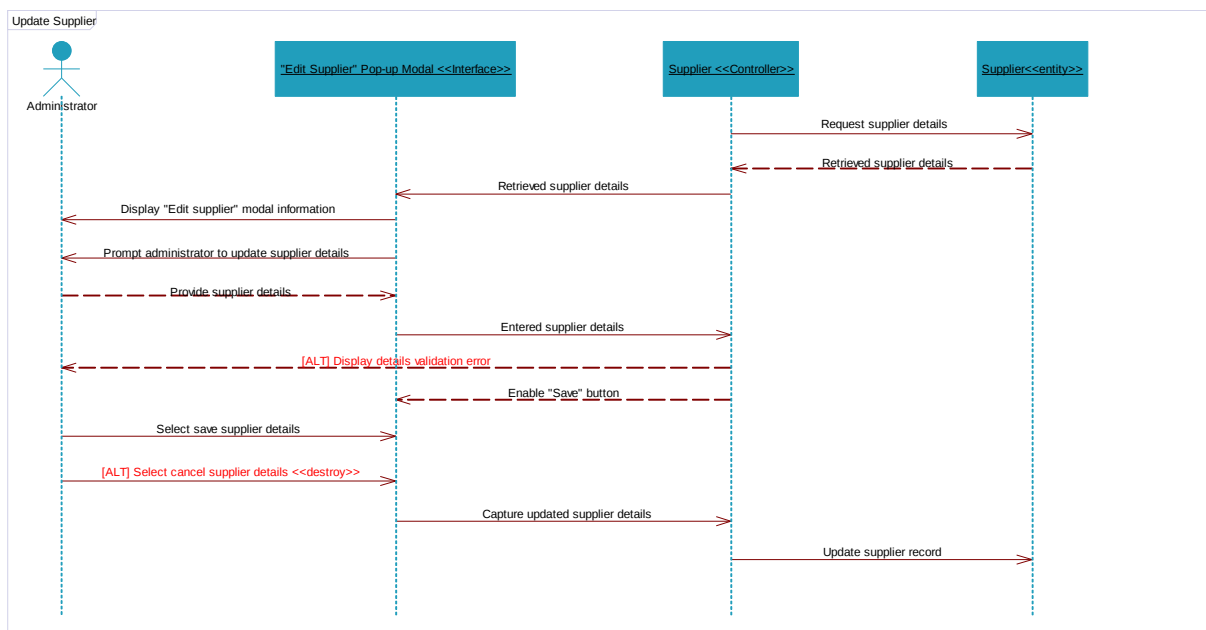


Figure 71:7.15-Update Supplier Sequence Diagram



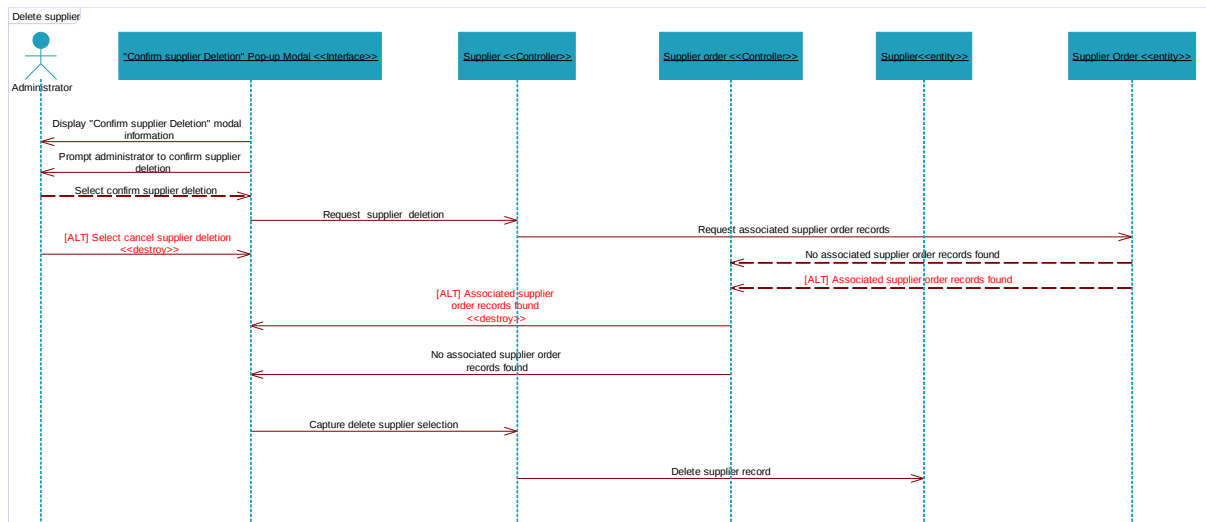


Figure 72:7.16-Delete Supplier Sequence Diagram

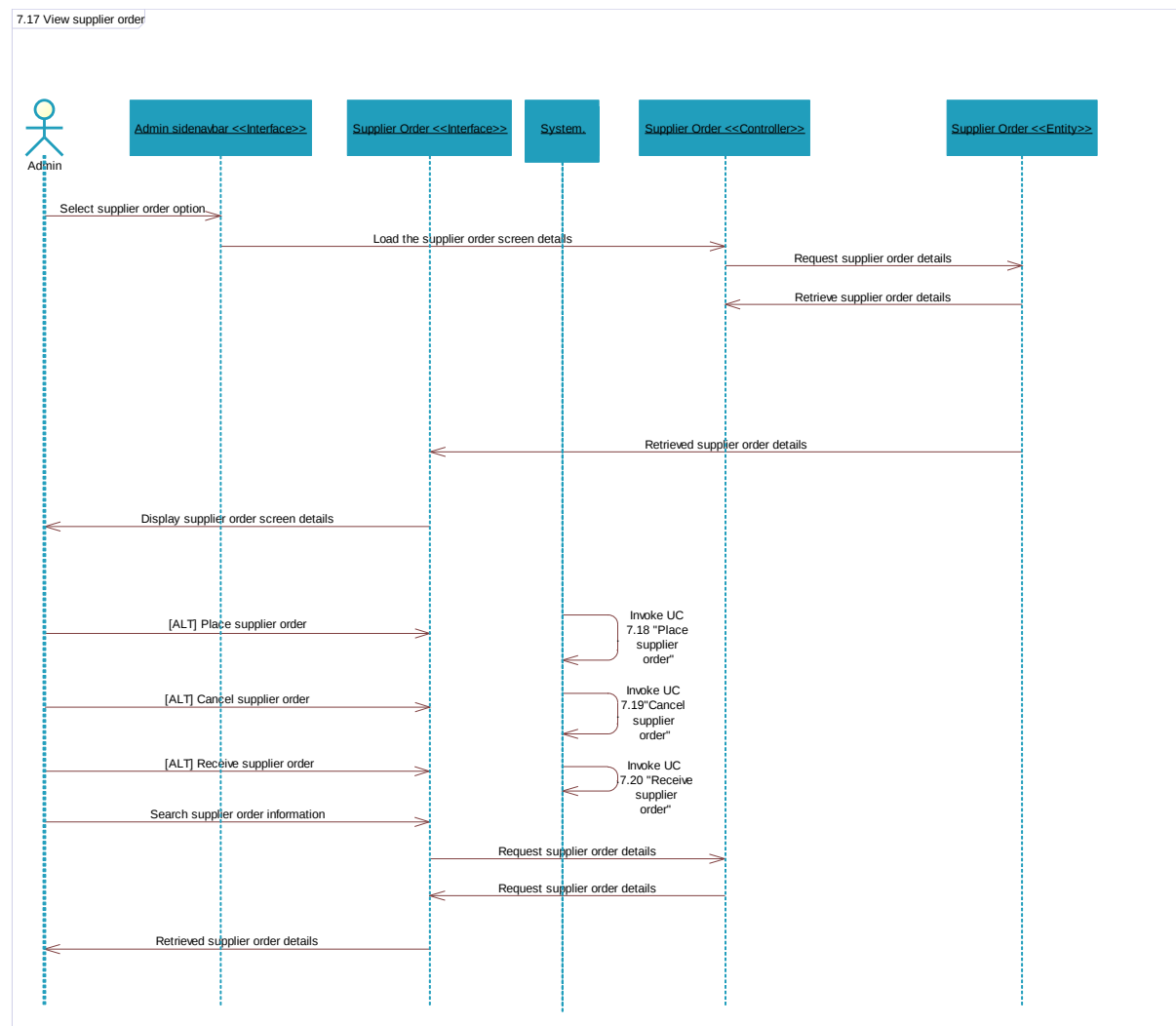


Figure 73:7.17-View Supplier Order Sequence Diagram



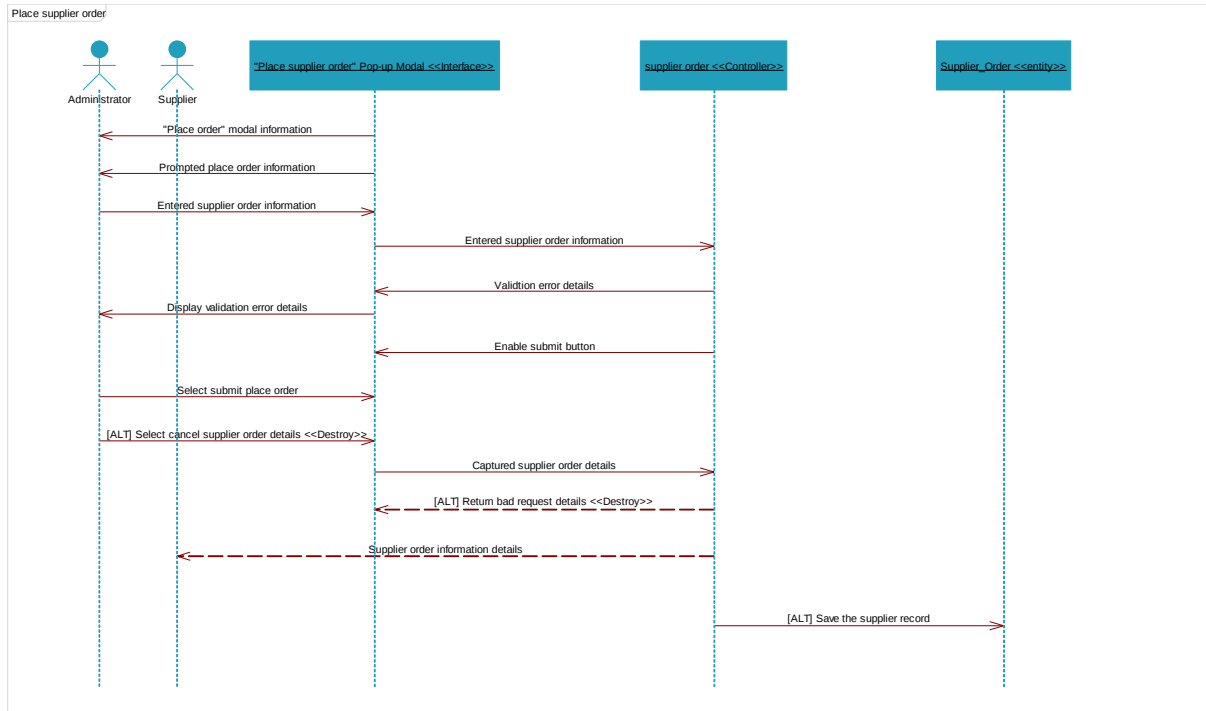


Figure 74:7.18-Place Supplier Order Sequence Diagram

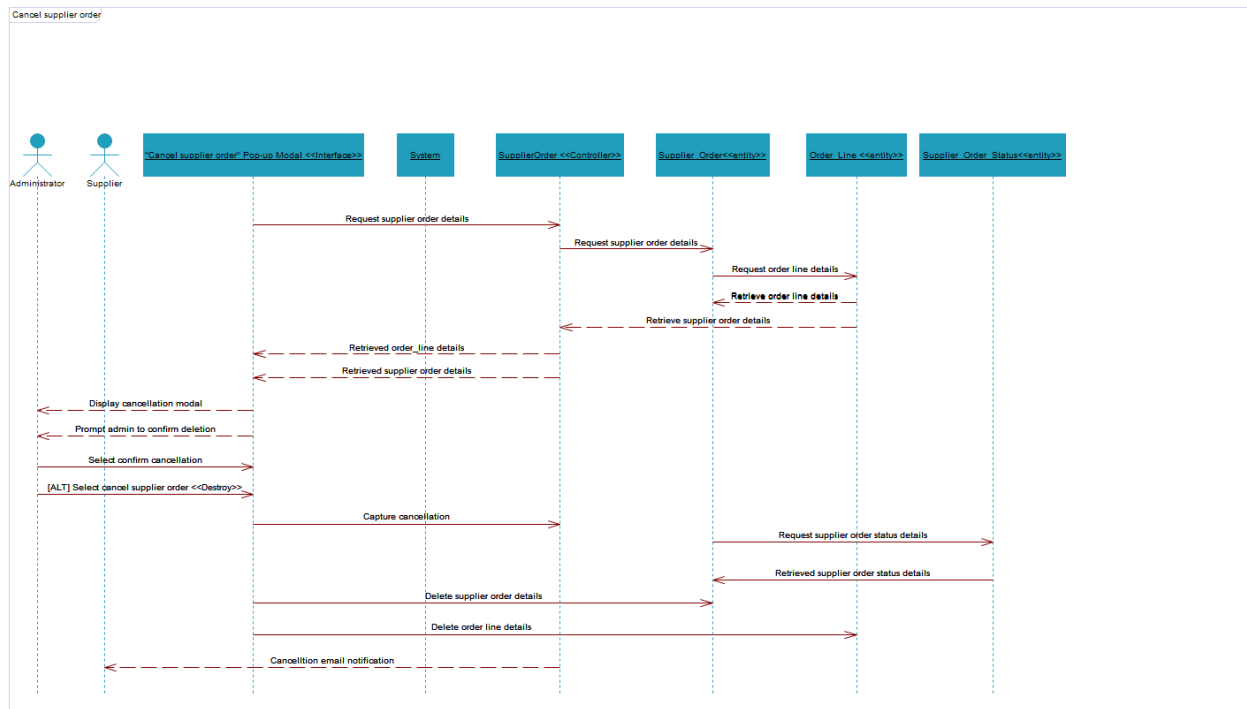


Figure 75:7.19- Cancel Supplier Order Sequence Diagram





Figure 76.7.20- Receive Supplier Order Sequence Diagram



2.8. Subsystem 8 - Reports

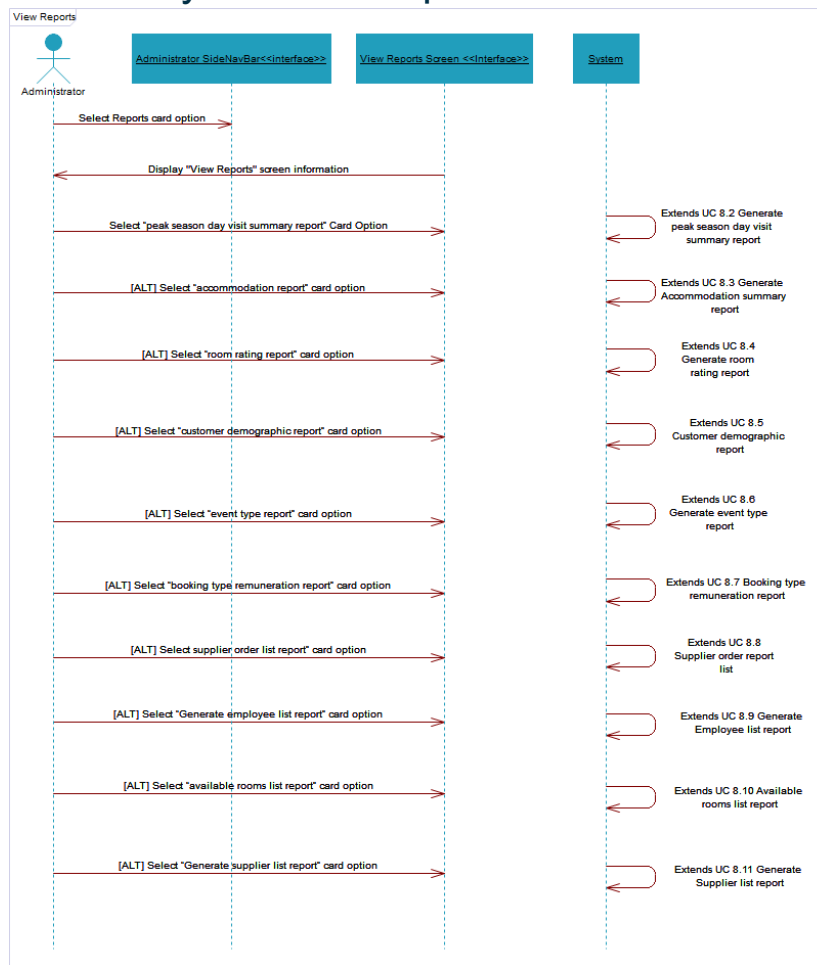


Figure 77: 8.1-View Reports Sequence Diagram



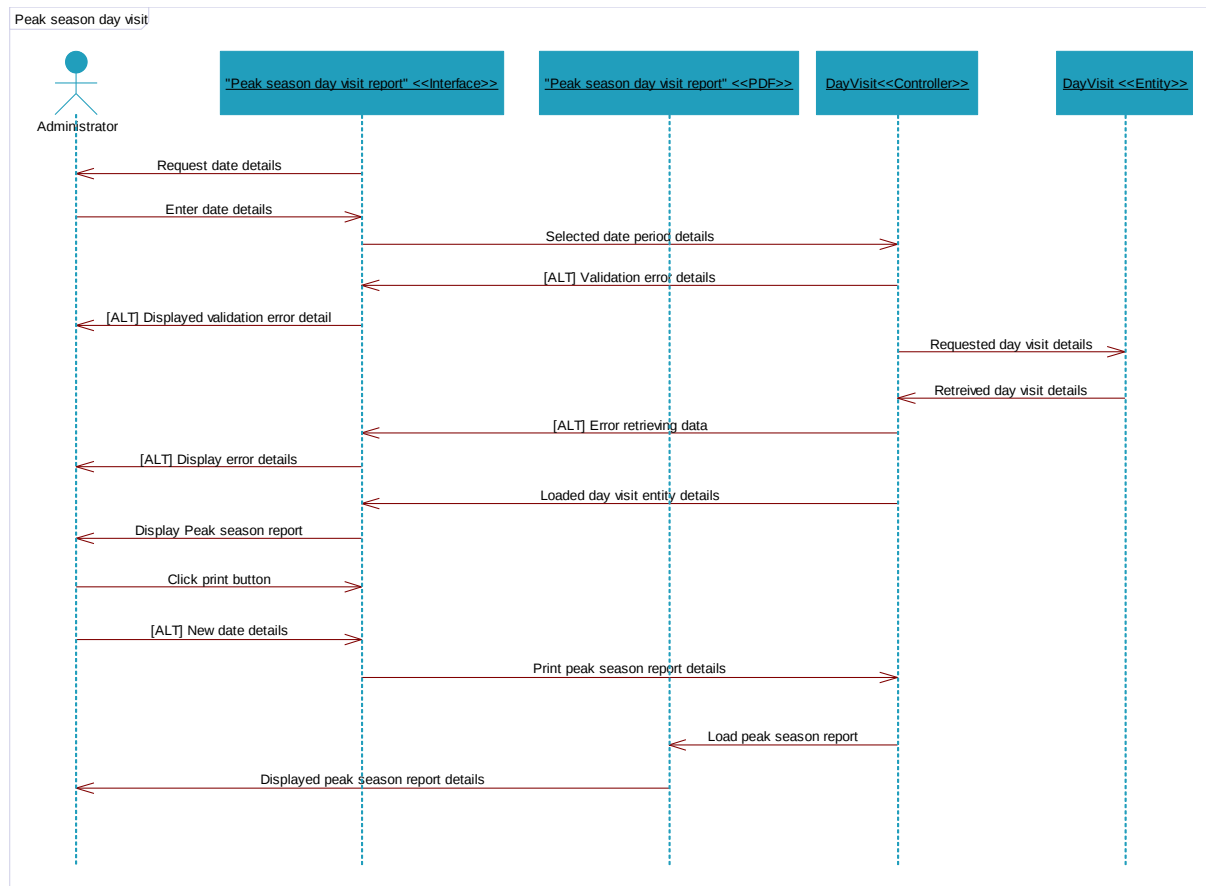


Figure 78:8.2- Peak Season Day Visit Report Sequence Diagram



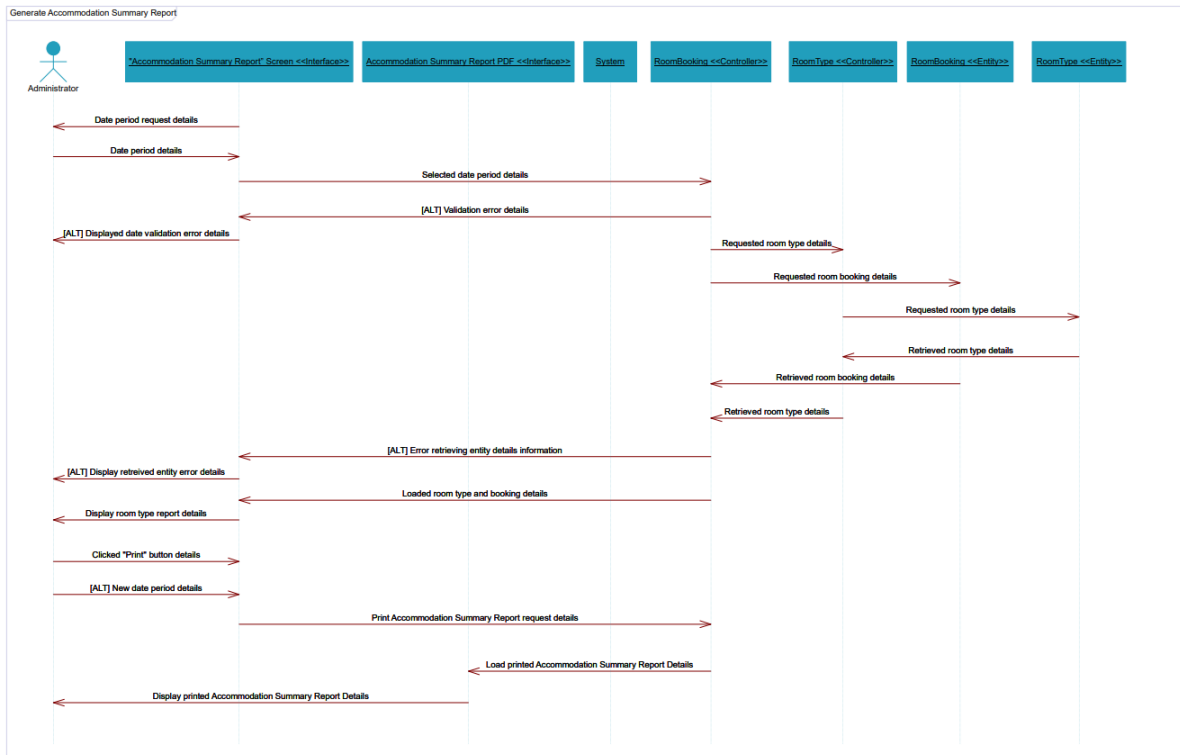


Figure 79:: 8.3 Generate Accommodation Summary Report Sequence Diagram

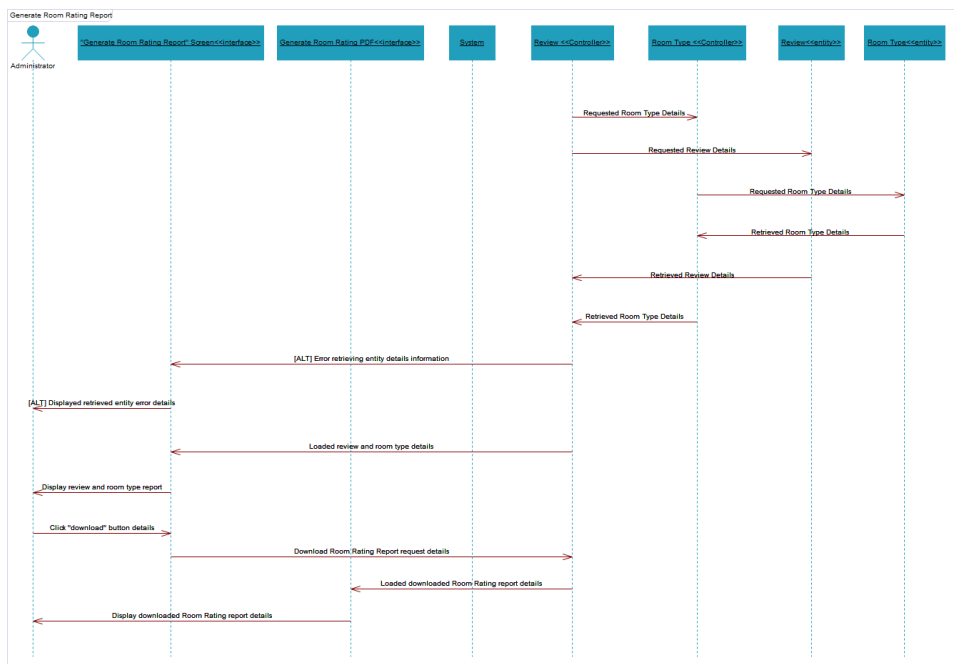


Figure 80:8.4-Generate Room Rating Report Sequence Diagram



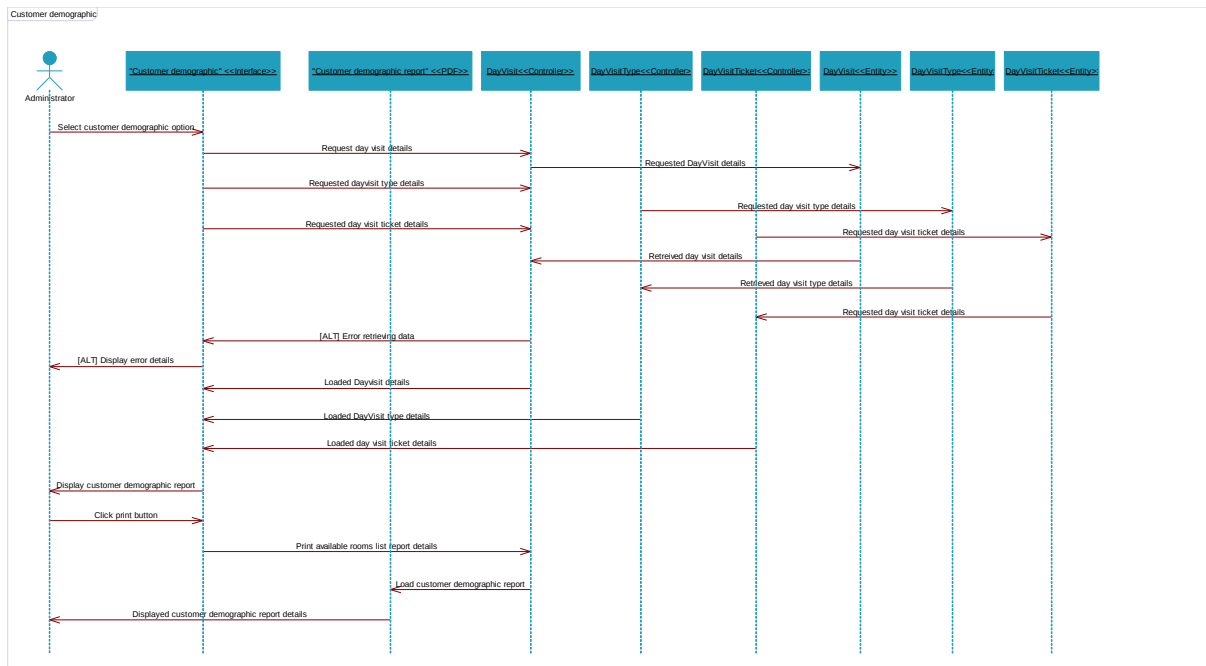


Figure 81:8.5-Customer Demographic Report Sequence Diagram

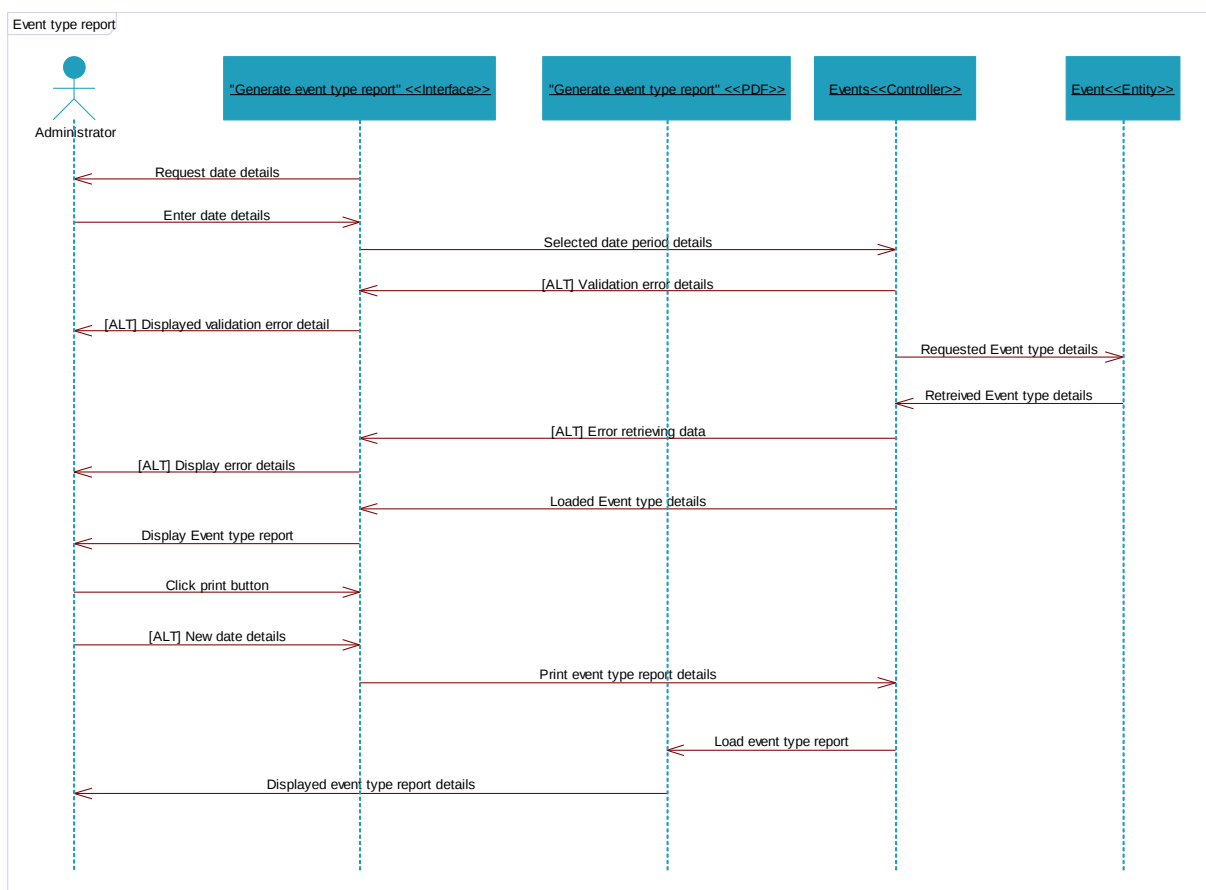


Figure 82:8.6-Event Type Report Sequence Diagram



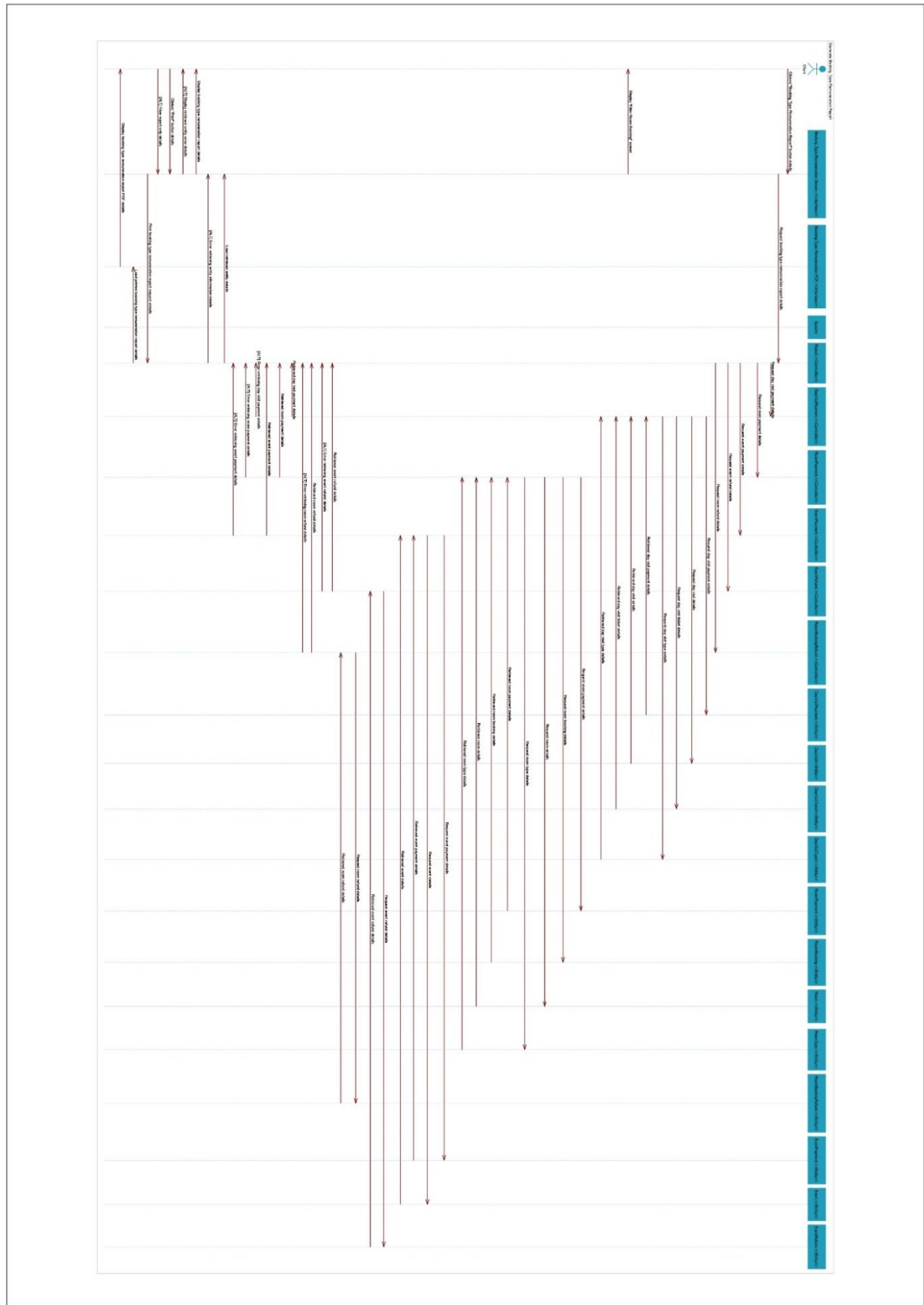


Figure 83: 8.7 Generate Booking Type Remuneration Report Sequence Diagram



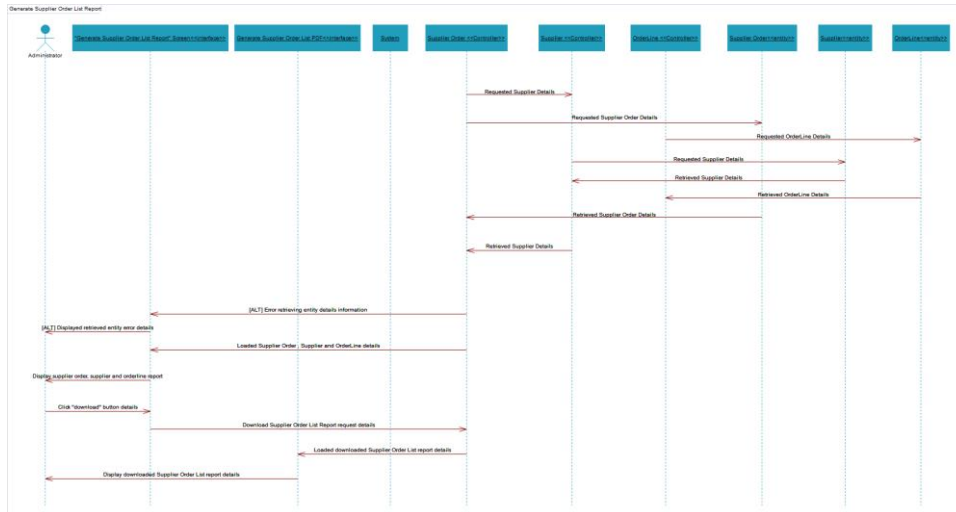


Figure 84:8.8-Generate Supplier Order List Report Sequence Diagram

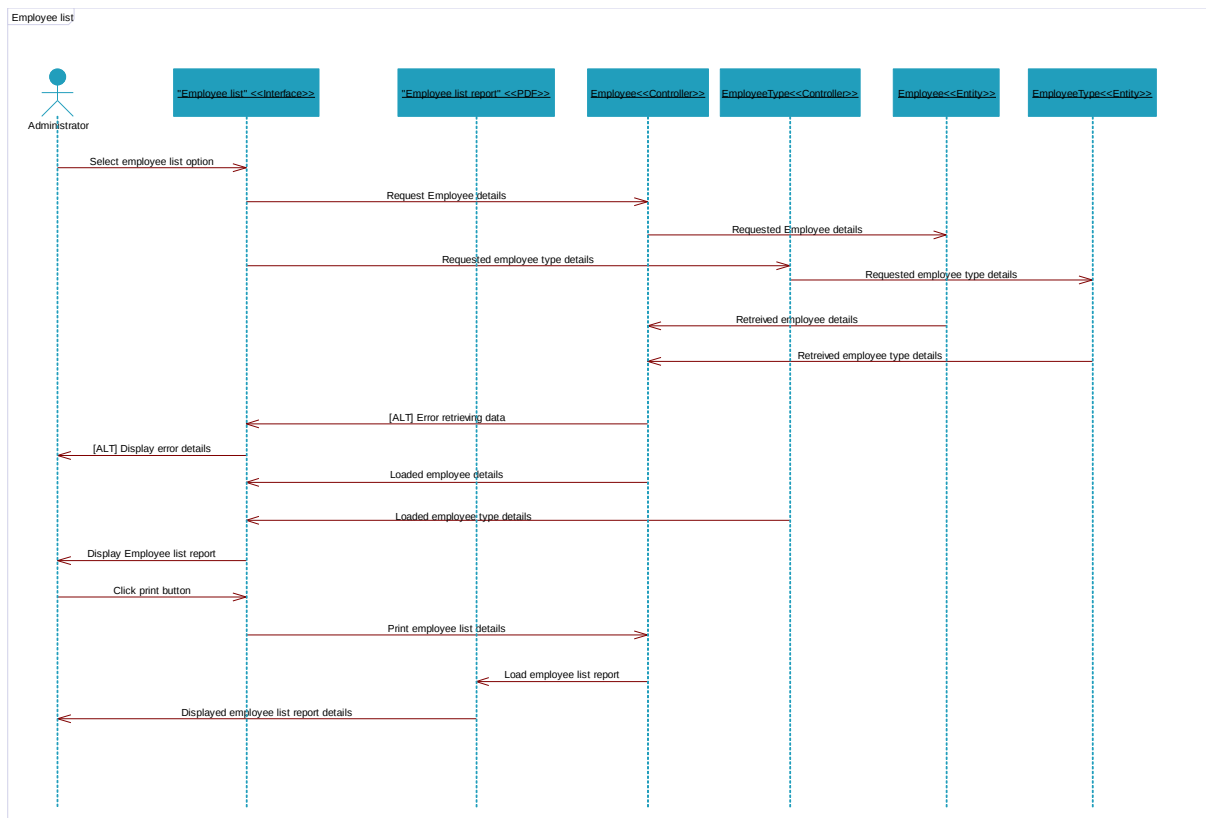


Figure 85:8.9- Employee List Report Sequence Diagram



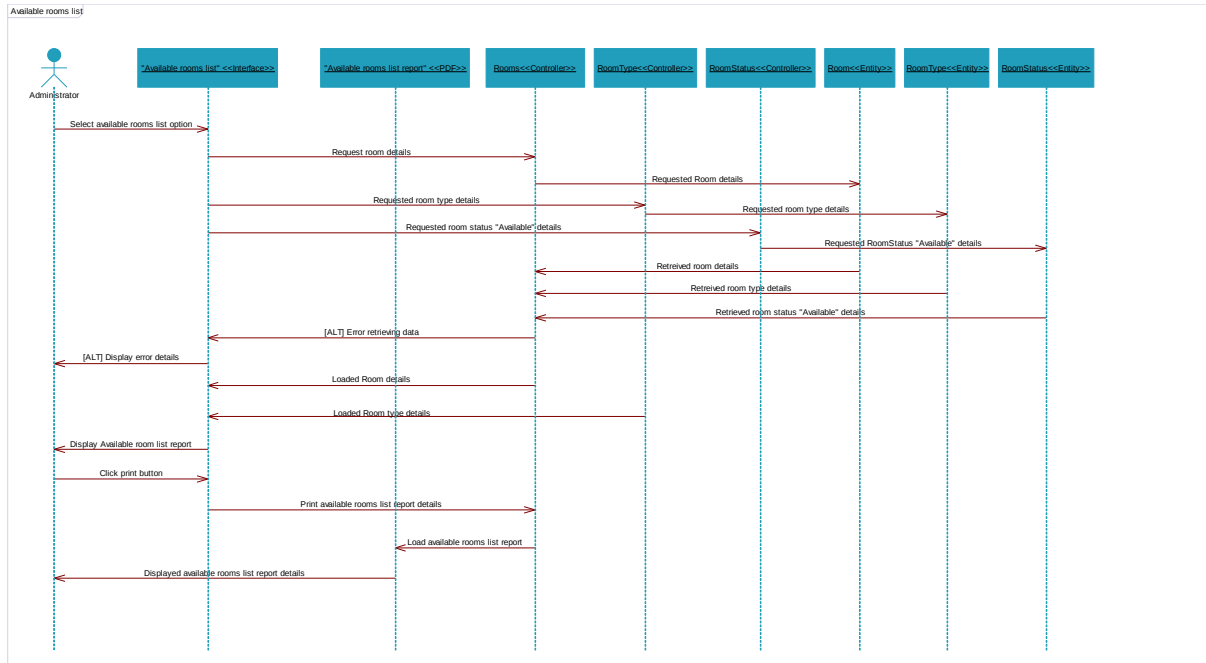


Figure 86:8.10-Available Room List Report Sequence Diagram

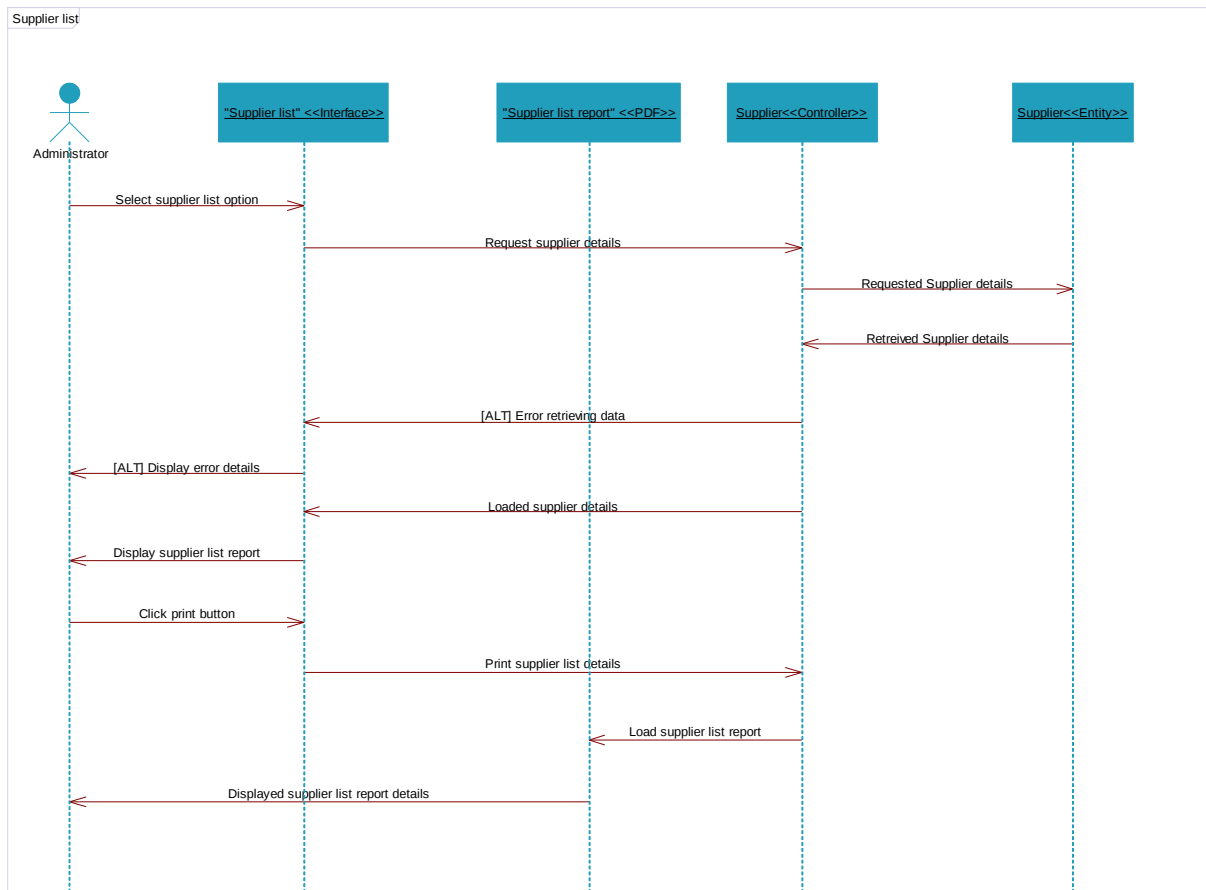


Figure 87:8.11-Supplier List Report Sequence Diagram



3. Document Conclusion

In conclusion this section covered all the sequence diagrams used to indicate the functional requirements set out for the HydroTech system.



4. Team sign-off

I, Ismaeel Rahaman, confirm that I have read the requirement changes of the Platinum Island Resort and agree to all of the information contained in this document. I confirm that the information stated above is factual and that I am aware of any and all changes made to this document between drafts. Furthermore, I confirm that I have contributed to this document equally as much as my teammates.



.....

Ismaeel Rahaman

I, Nawailah Tarmohamed, confirm that I have read the requirement changes of the Platinum Island Resort and agree to all of the information contained in this document. I confirm that the information stated above is factual and that I am aware of any and all changes made to this document between drafts. Furthermore, I confirm that I have contributed to this document equally as much as my teammates.



.....

Nawailah Tarmohamed

I, Deshlan Pillay, confirm that I have read the requirement changes of the Platinum Island Resort and agree to all of the information contained in this document. I confirm that the information stated above is factual and that I am aware of any and all changes made to this document between drafts. Furthermore, I confirm that I have contributed to this document equally as much as my teammates.



.....

Deshlan Pillay



I, Sameer Ghela, confirm that I have read the requirement changes of the Platinum Island Resort and agree to all of the information contained in this document. I confirm that the information stated above is factual and that I am aware of any and all changes made to this document between drafts. Furthermore, I confirm that I have contributed to this document equally as much as my teammates.

A handwritten signature in black ink, appearing to read "S. Ghela".

.....
Sameer Ghela

I, Sashin Gounden, confirm that I have read the requirement changes of the Platinum Island Resort and agree to all of the information contained in this document. I confirm that the information stated above is factual and that I am aware of any and all changes made to this document between drafts. Furthermore, I confirm that I have contributed to this document equally as much as my teammates.

A handwritten signature in black ink, appearing to read "S. Gounden".

.....
Sashin Gounden



5. Client sign-off

I Ya'qoob Tayob, on behalf of the Platinum Island resort, acknowledge that I have received and reviewed the work and confirm that it is up to quality standards.

A handwritten signature in black ink, enclosed within a thin black rectangular border. The signature appears to be "Ya'qoob Tayob" written in a cursive style.

Signature

