

Event Management System

Team 9

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MIS 6308.001

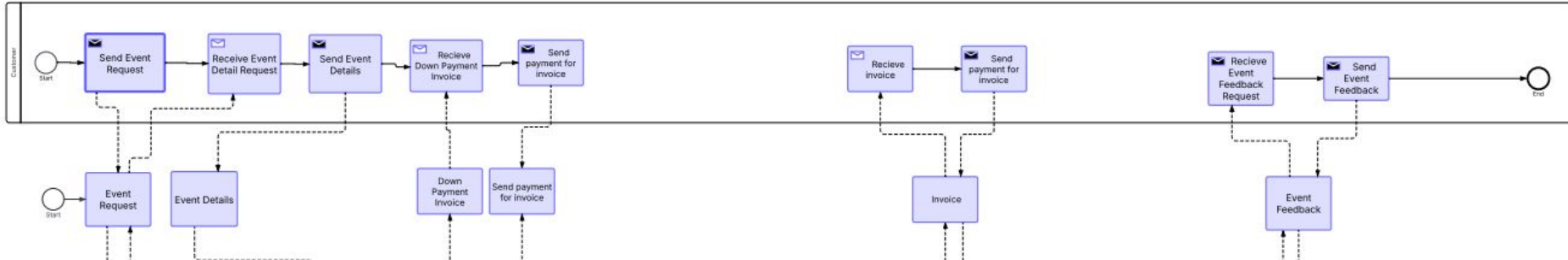
Event Management System

- Designed a web-based **Event Management System (EMS)** to streamline event planning, vendor coordination, and client communication.
- Support **core functionalities** such as event scheduling, vendor booking, invoice generation, secure payment processing, and feedback collection.
- Features a modular design with subsystems for **requirements gathering, event planning, booking, payments**, and post-event feedback.
- Includes a **smart budgeting tool** powered by AI to help clients manage event costs efficiently and maximize value.

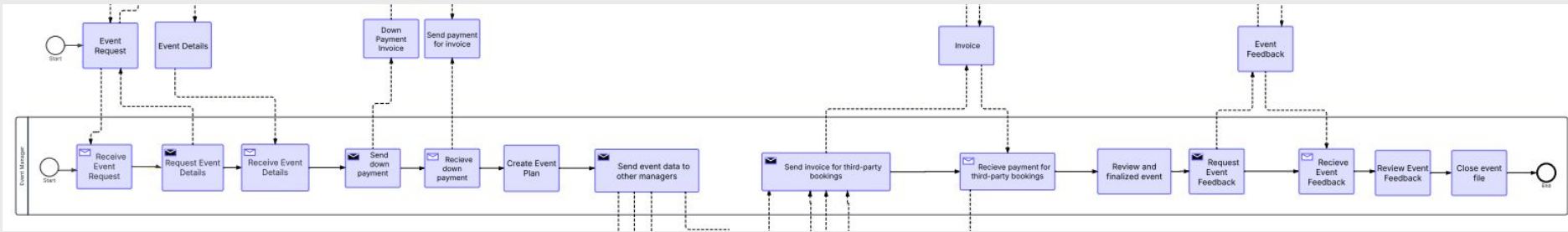
Static Modeling

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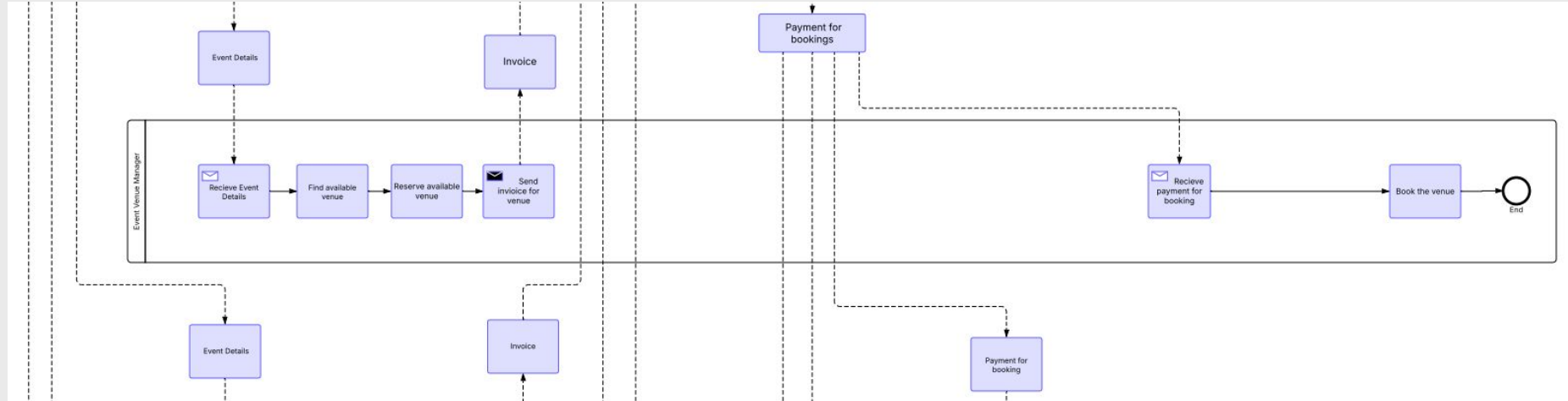
Swimlane 1: Client



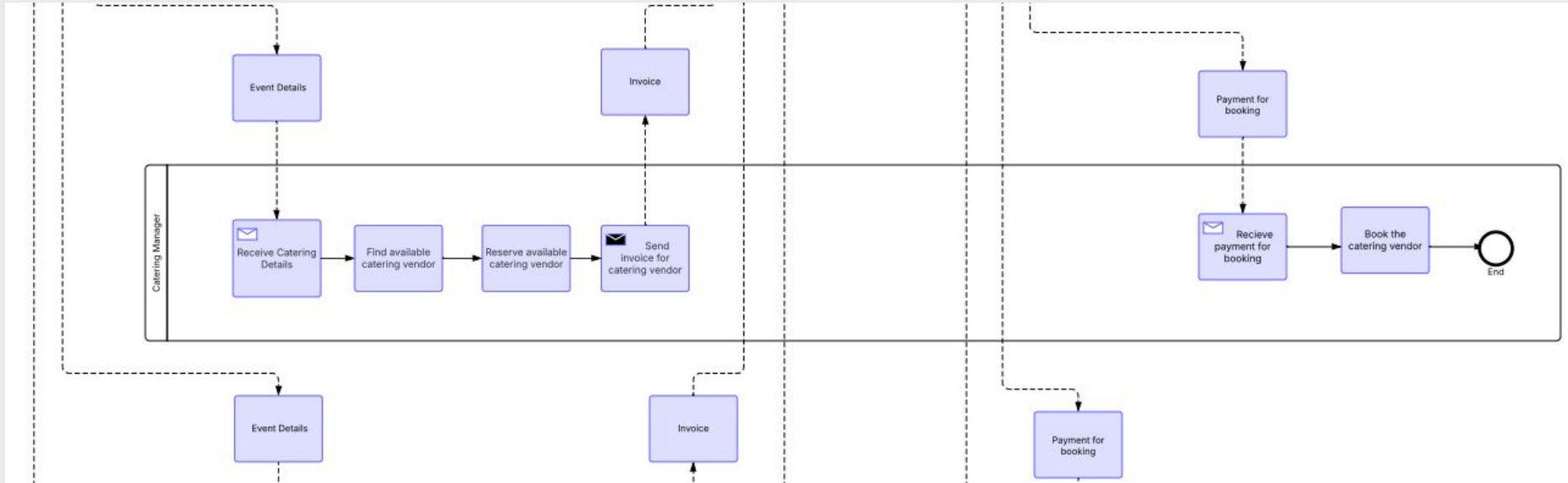
Swimlane 2: Event Manager



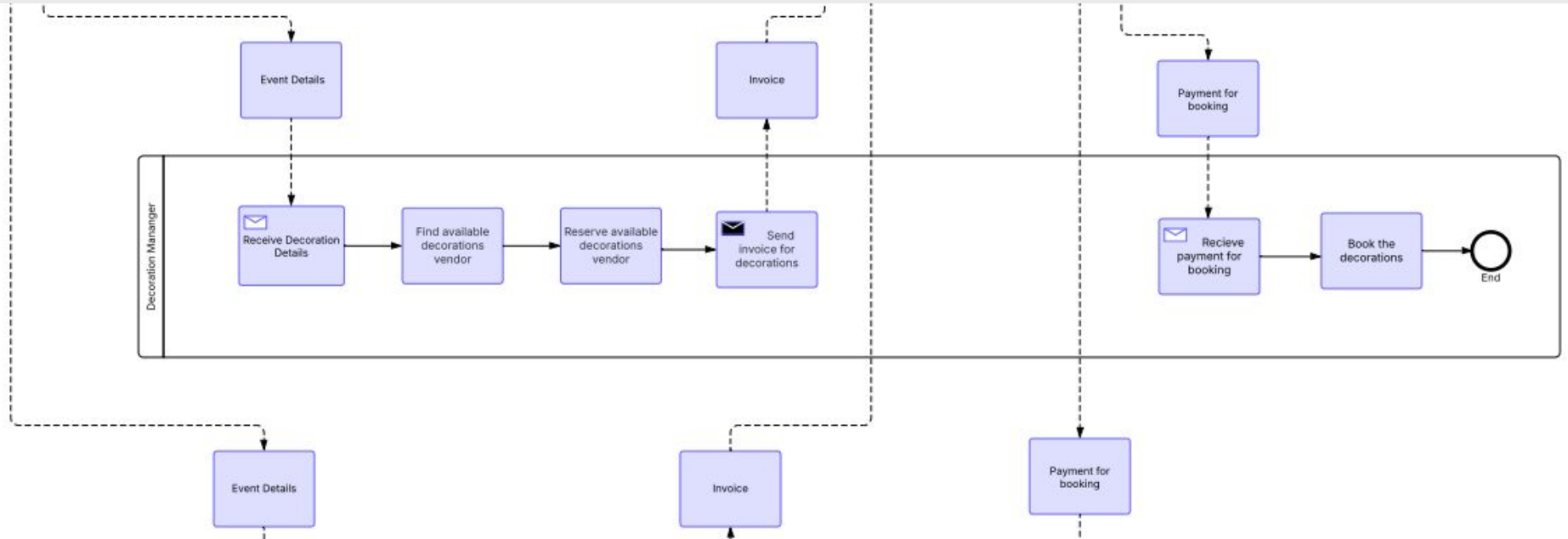
Swimlane 3: Venue Manager



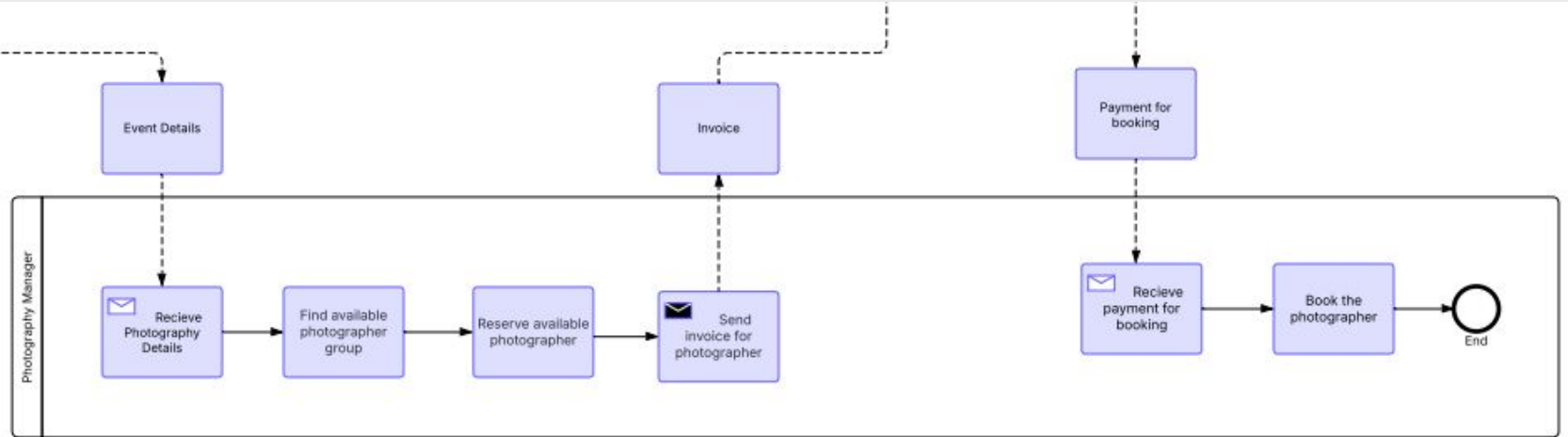
Swimlane 4: Catering Manager



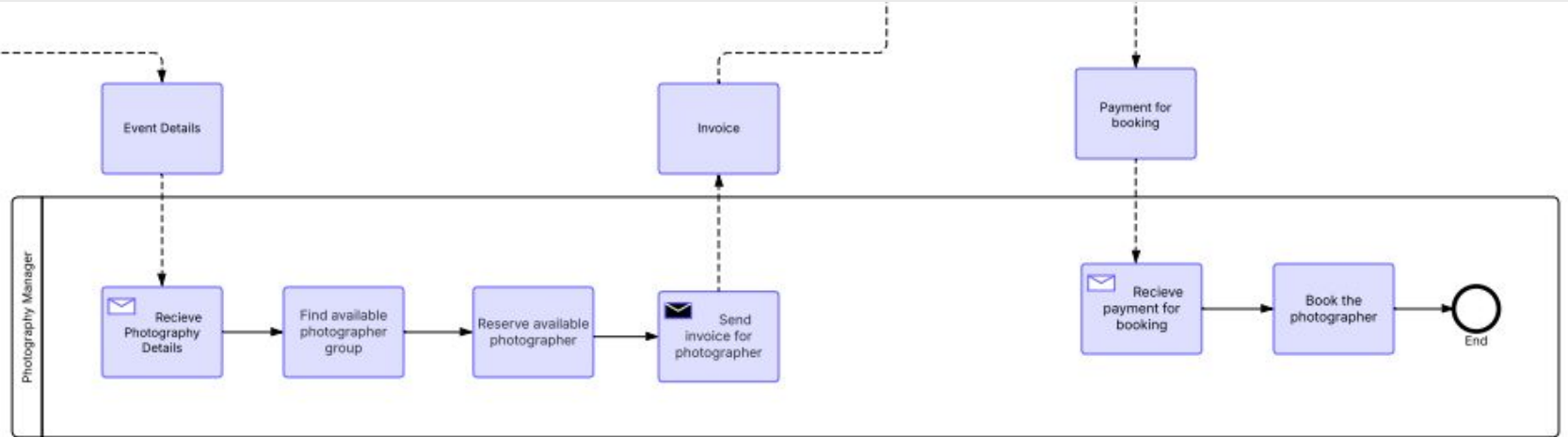
Swimlane 5: Decorations Manager



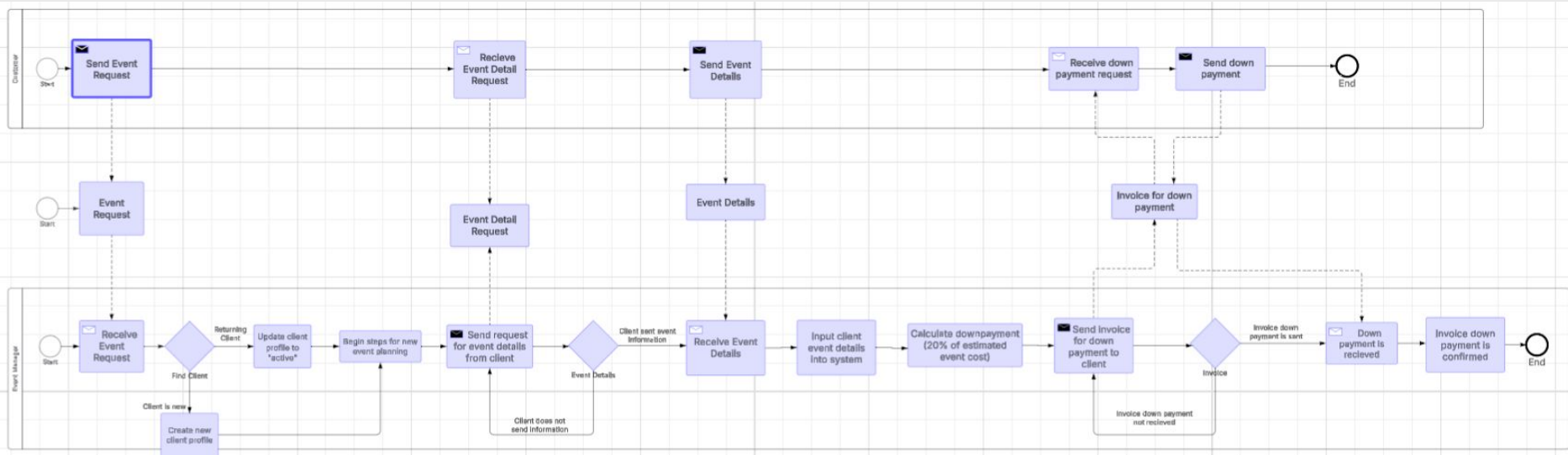
Swimlane 6: Photography Manager



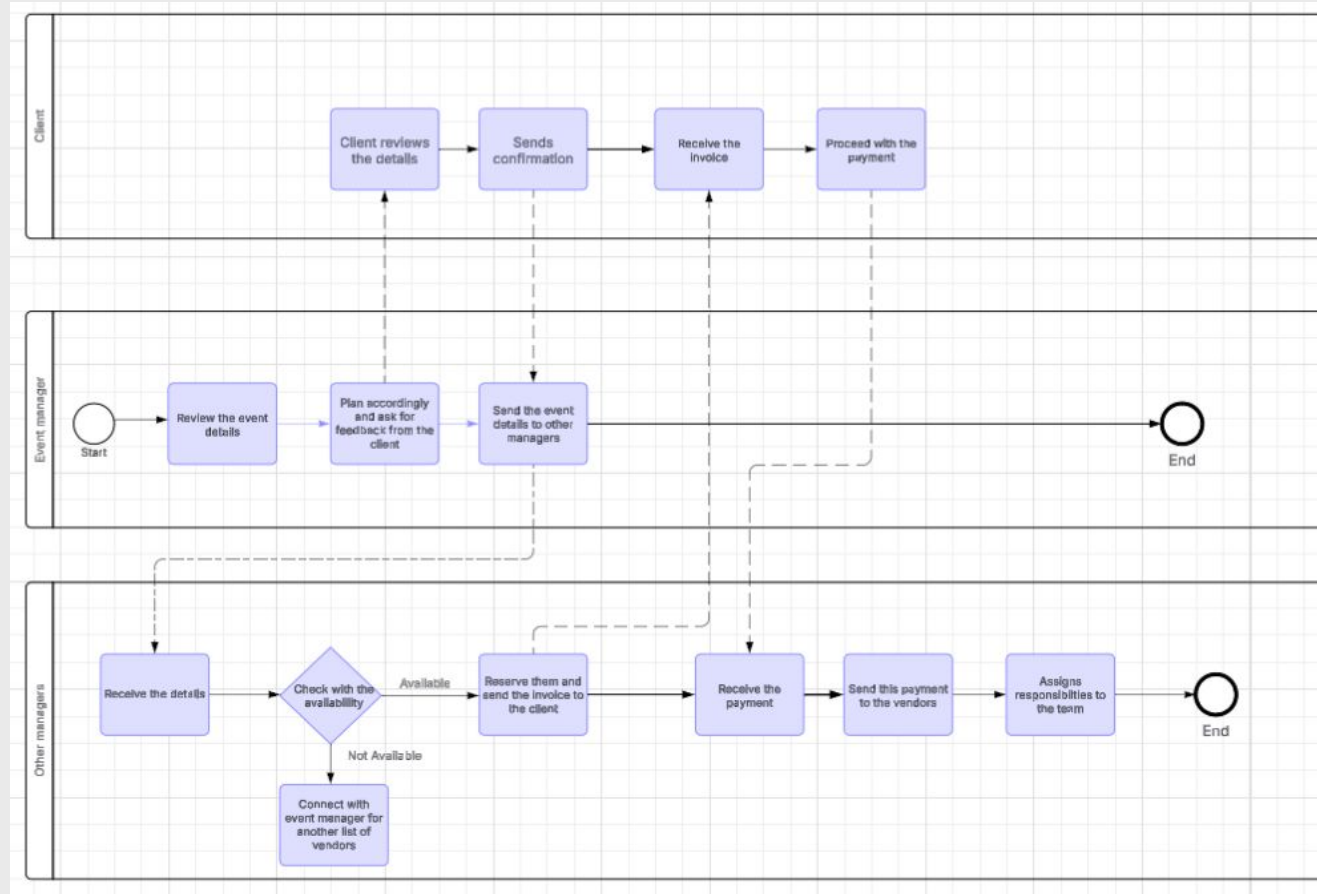
Swimlane 7: Photography Manager



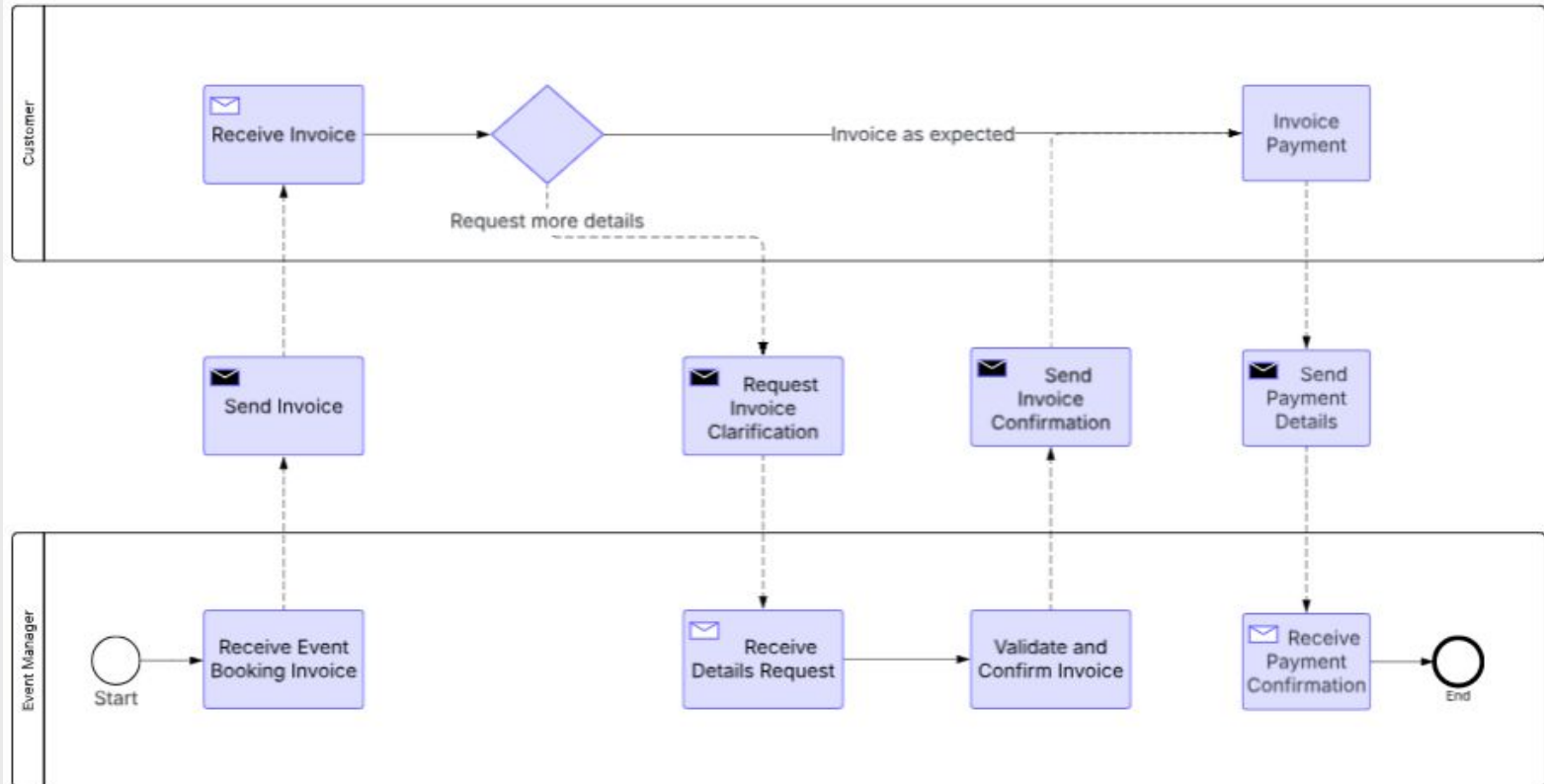
Subsystems: Requirements Gathering



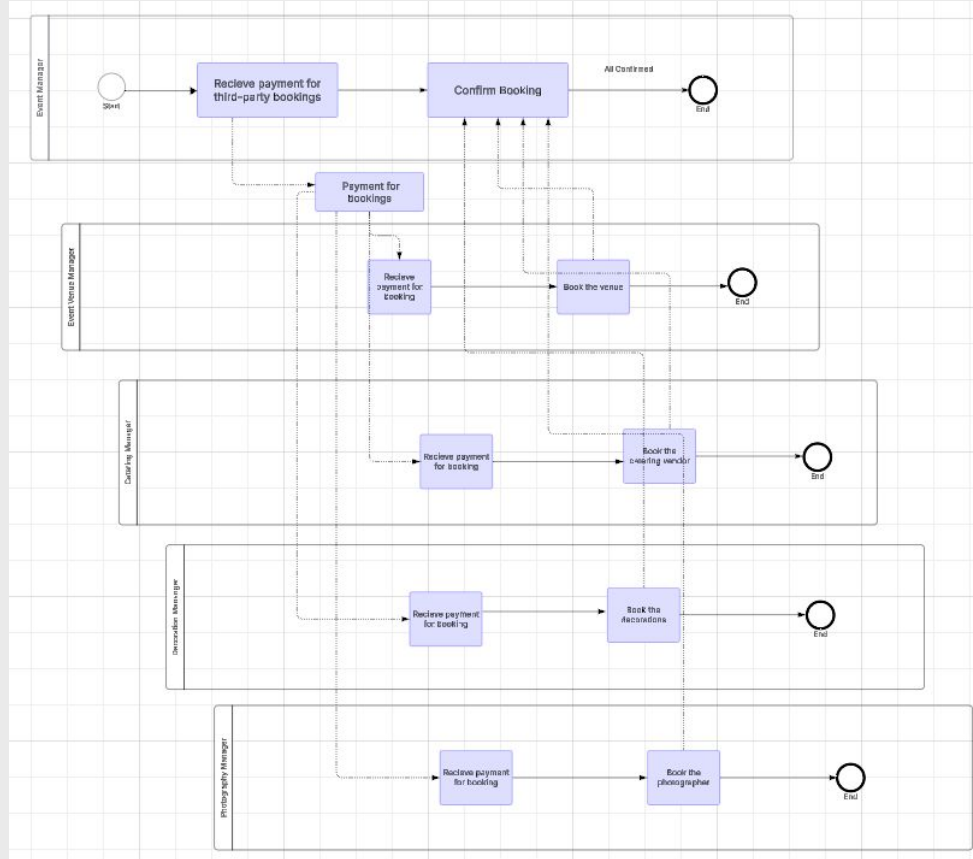
Subsystems: Event Planning



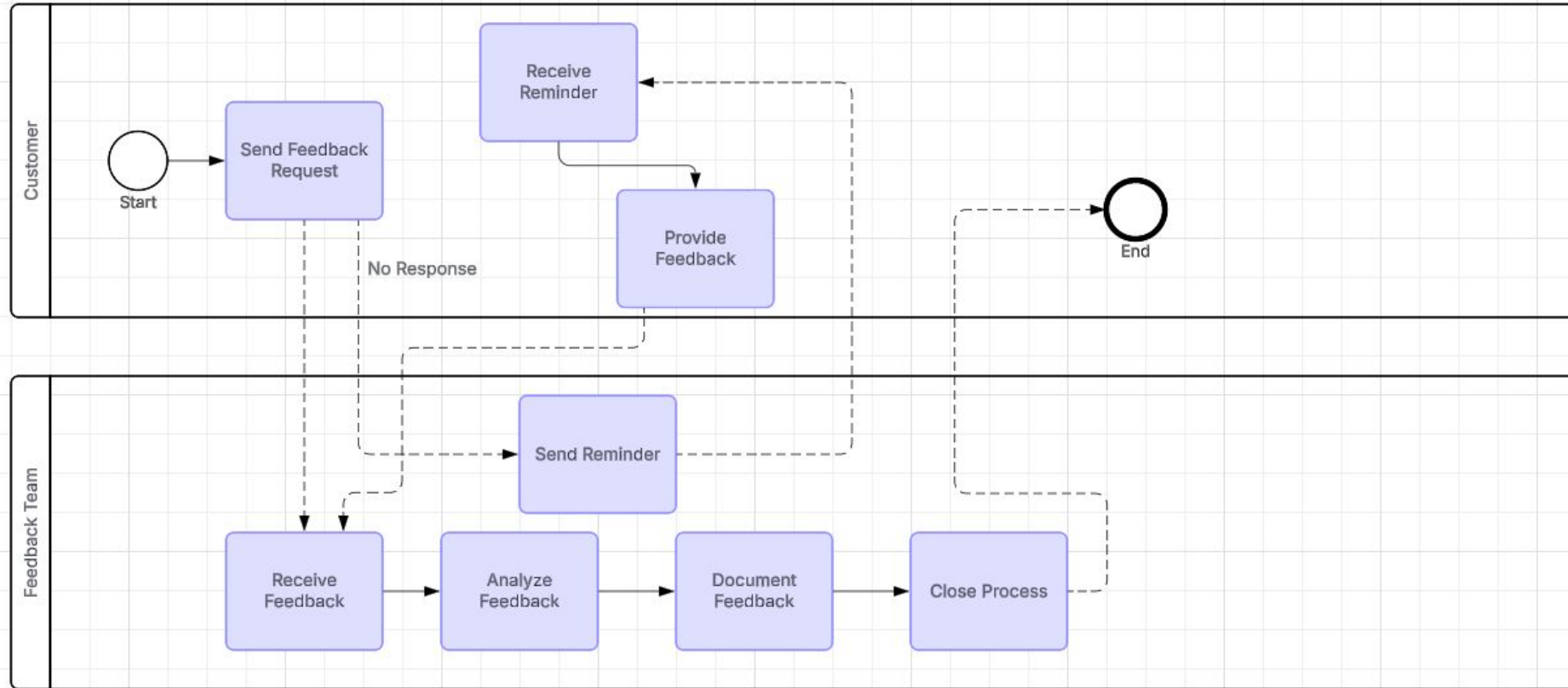
Subsystems: Payments



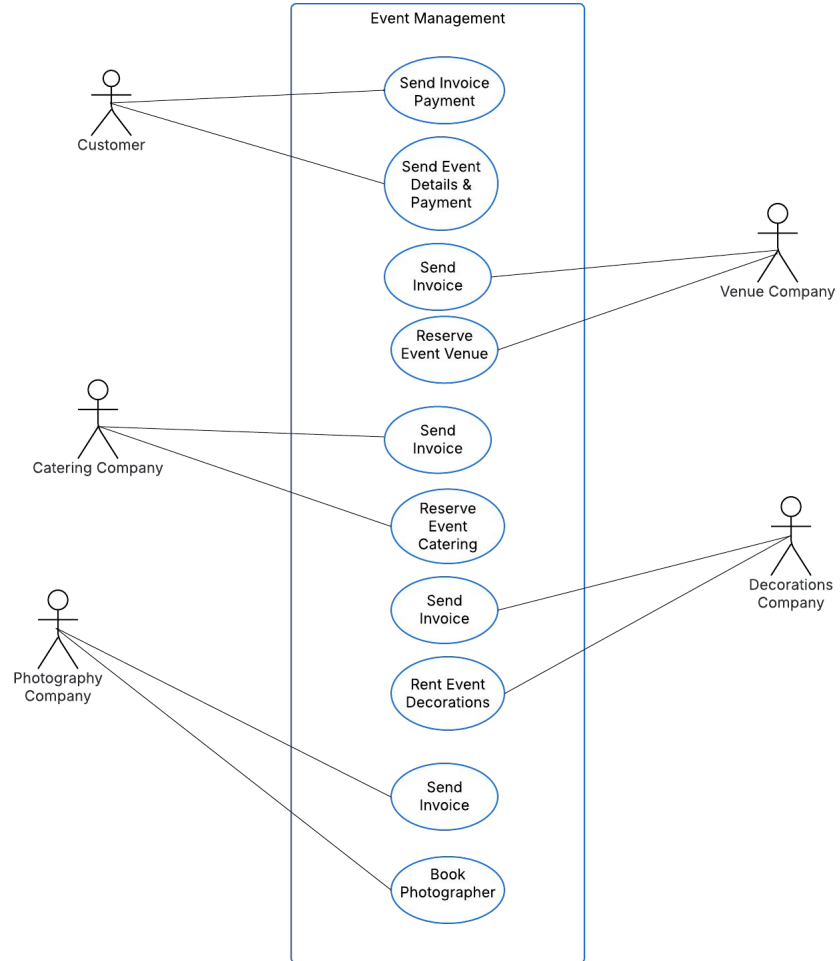
Subsystems: Booking



Subsystems: Feedback



Use Case Diagram



Use Case Description

Use-Case Name: Send Event Request	ID: 1	Importance Level: High
Primary Actor: Customer	Use Case Type: Detail	
Stakeholders and Requests: Event Management - wants to schedule event for customer Customer - wants to book event		
Brief Description: This use case describes how we receive a event request and details from the customer		
Trigger: Customer sends email requests for event Type: External		
Relationship: Association: Customer Include: Event Request, Event detail, Invoice payment, and event feedback. Extend: Generalization:		
Normal Flow of Events: <ol style="list-style-type: none">1. The customer contacts the event management company and sends request for an event2. The event manager inquires for details about the event3. The customer sends event details4. The event manager inputs details5. The event manager sends a down payment invoice6. The customer receives a down payment invoice request7. The customer sends payment for the invoice request		
Subflows: S-1: If the client is new, create a profile for the client. If the client is returning, update the client profile to “active” status. S-2: If client does not send event detail within a reasonable amount of time, another event detail request will be sent and the event planning for the client will be made “inactive” until further contact with the client. S-3: Based on event details received from the customer, the event down payment is calculated (20% of estimated event cost is the necessary down payment). S-4: If the customer does not fulfill the down payment invoice within a reasonable time, the invoice request will be sent again and the event planning for the client will be made “inactive” until further contact with the client.		
Alternative/Exceptional Flows:		

Use-Case Name: Reserve Event Venue	ID: 2	Importance Level: High
Primary Actor: Venue Company	Use Case Type: Detail	
Stakeholders and Requests: Venue Manager - wants to book a venue Venue Company - wants to receive venue bookings		
Brief Description: This use case describes how we book a venue for the event		
Trigger: Event manager sends an email with event details Type: External		
Relationship: Association: Venue Company Include: Send Invoice and Reserve Venue for event date/time Extend: Generalization:		
Normal Flow of Events: 1. The venue manager contacts the venue company to book a venue for date/time 2. The venue manager sends the booking details to the company 3. The company sends booking confirmation and invoice to the venue manager 4. The venue manager send the payment to the company 5. The company send the payment confirmation to the venue manager		
Subflows: S-1: Search for venues S-2: Confirm event venue availability S-3: Reserve event space for date/time 1. Send invoice for confirmed appointment		
Alternative/Exceptional Flows:		

Use Case Description

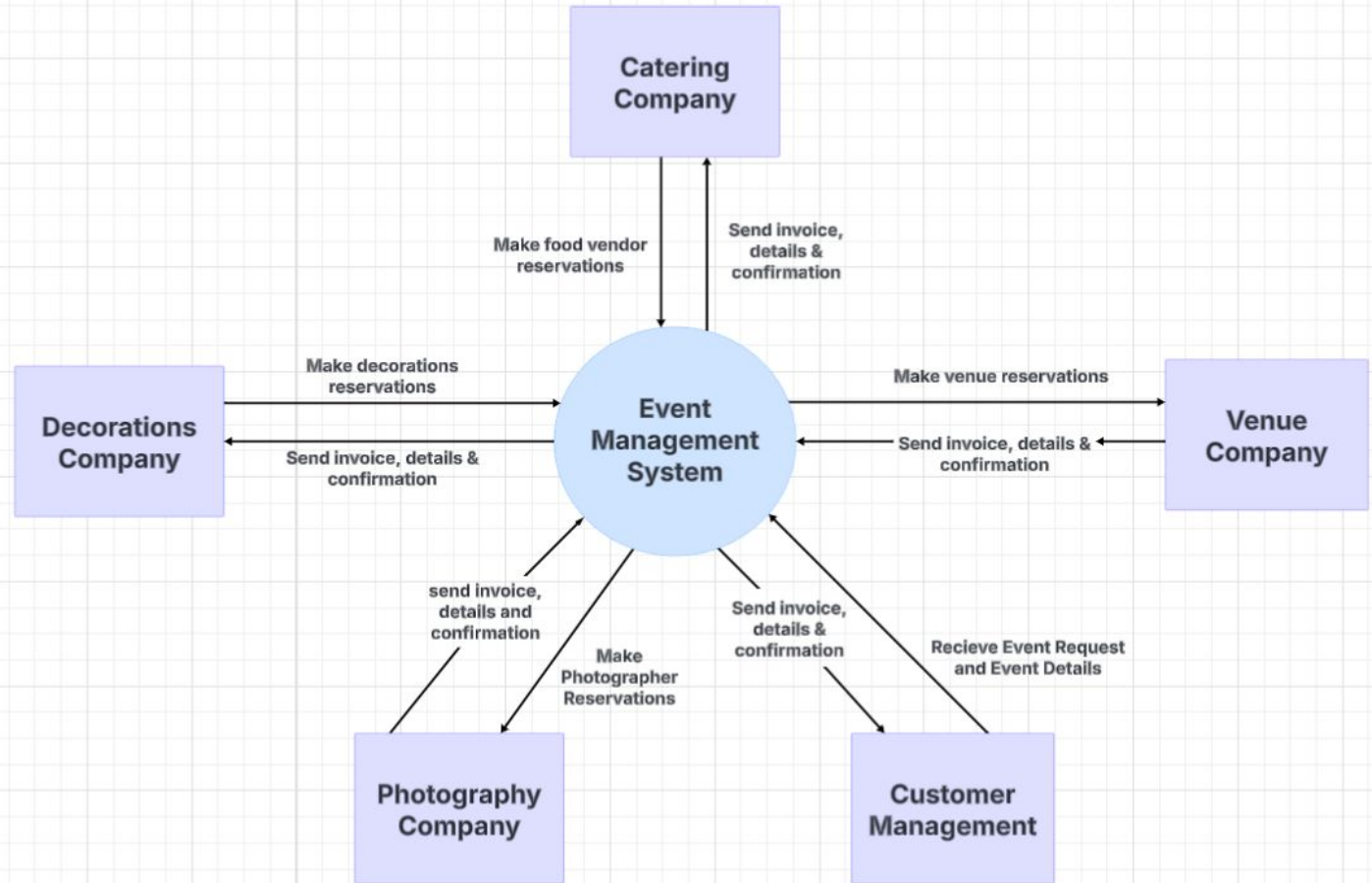
Use-Case Name: Reserve Event Catering	ID: 3	Importance Level: High
Primary Actor: Catering Company	Use Case Type: Detail	
Stakeholders and Requests: Catering Manager - wants to book catering Catering Company - wants to receive catering booking		
Brief Description: This use case describes the process of reserving catering service for an event.		
Trigger: Event Manager sends event with event details Type: External		
Relationship: Association: Catering Company Include: Send Invoice and Reserve Catering for event date/time Extend: Generalization:		
Normal Flow of Events: 1. The event manager contacts the catering company to book catering for date/time 2. The catering manager sends the booking details to the company 3. The company sends booking confirmation and invoice to the event manager		
Subflows: S-1: Check catering availability S-2: Collect event details S-3: Payment processing and confirmation 1. The event manager receives the invoice and confirms		
Alternative/Exceptional Flows:		

Use-Case Name: Rent Event Decorations	ID: 4	Importance Level: High
Primary Actor: Decorations Company	Use Case Type: Detail	
Stakeholders and Requests: Decoration Manager - wants to rent event decorations Event Manager - wants to finalize decoration setup		
Brief Description: This use case describes the process of renting decorations for an event.		
Trigger: Event manager sends a request for decoration rental Type: External		
Relationship: Association: Decorations Company Include: Send Invoice and Reserve Decorations for event date/time Extend: Generalization:		
Normal Flow of Events: 1. The event manager contacts the decorations company to reserve decorations for date/time 2. The venue manager sends the booking details to the company 3. The company sends booking confirmation and invoice to the event manager		
Subflows: S-1: Suggest alternatives if decorations are unavailable S-2: Apply discount code before payment S-3: Modify request before payment 1. Send the invoice for confirmed decorations		
Alternative Exceptional Flows:		

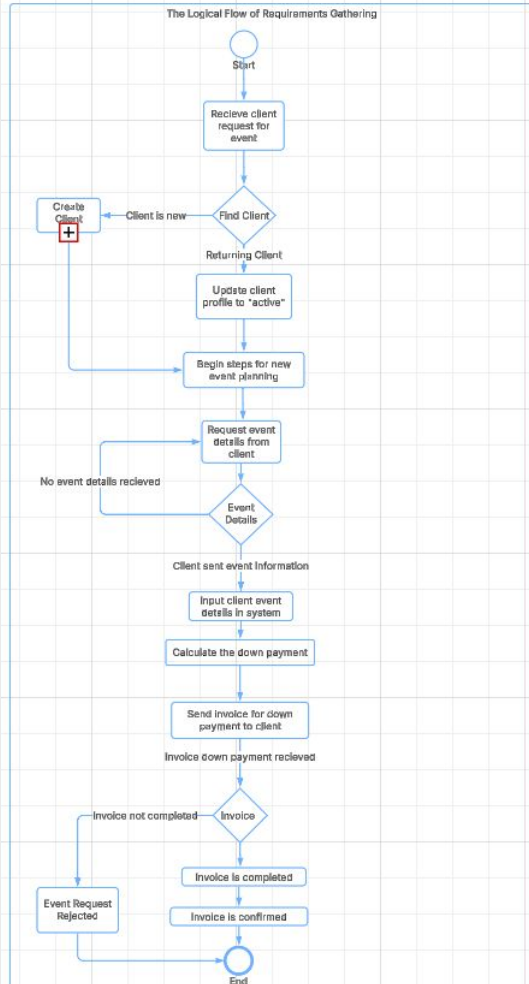
Use-Case Name: Book Photographer	ID: 5	Importance Level: High
Primary Actor: Photography Company	Use Case Type: Detail	
Stakeholders and Requests: Photography Manager - wants to book a photographer Event Manager - wants photography services for the event		
Brief Description: This use case describes the process of booking a photographer based on event details		

Use-Case Name: Book Photographer	ID: 5	Importance Level: High
Primary Actor: Photography Company	Use Case Type: Detail	
Stakeholders and Requests: Photography Manager - wants to book a photographer Event Manager - wants photography services for the event		
Brief Description: This use case describes the process of booking a photographer based on event details provided by the event manager.		
Trigger: Event manager sends event details Type: External		
Relationship: Association: Photography Company Include: Send Invoice and Reserve Photographer for event date/time Extend: Generalization:		
Normal Flow of Events: 1. The event manager contacts the photography company to book a photographer for date/time 2. The event manager sends the booking details to the company 3. The company sends booking confirmation and invoice to the event manager		
Subflows: S-1: Receive Photography Details S-2: Confirm Photographer Availability S-3: Send Booking Confirmation 1. Send invoice for confirmed appointment		
Alternative/Exceptional Flows:		

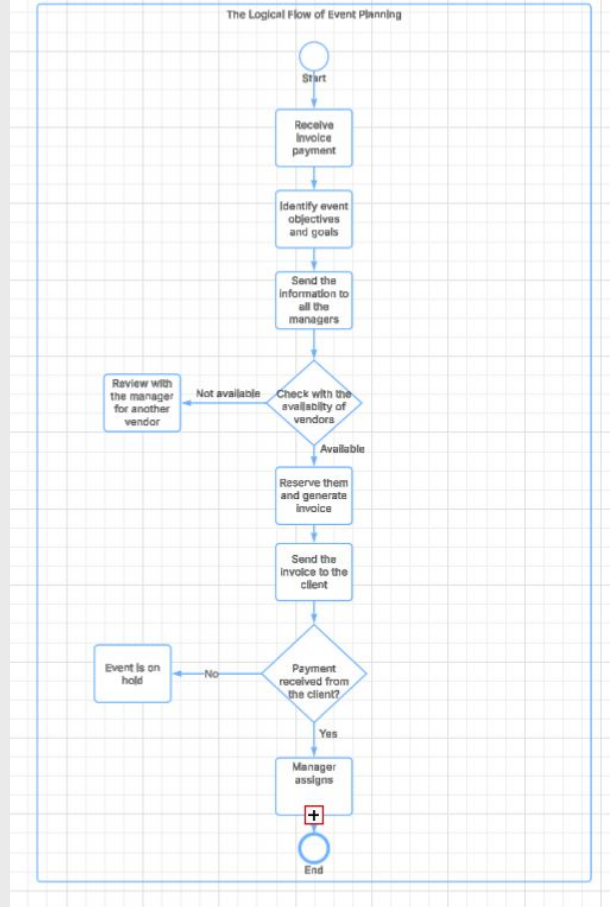
Context Diagram



Event request, event details, and event down payment

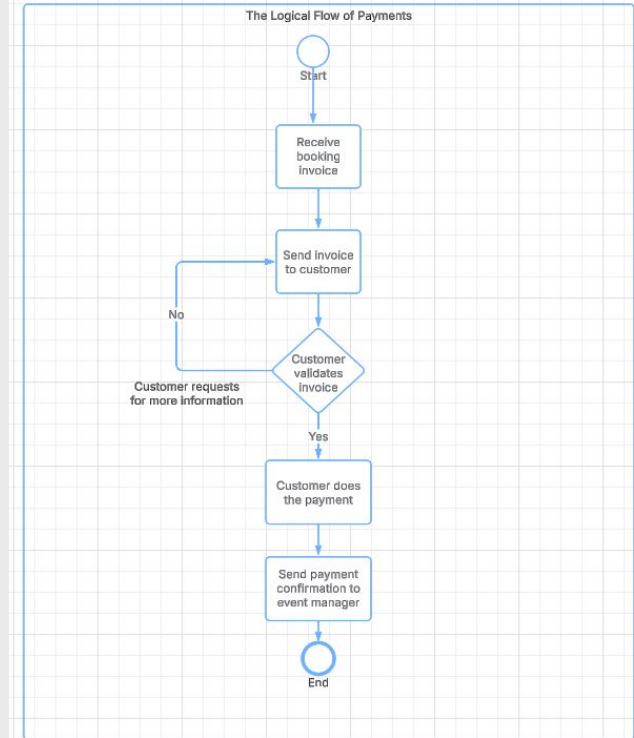


Creating event plan and sending details to other managers



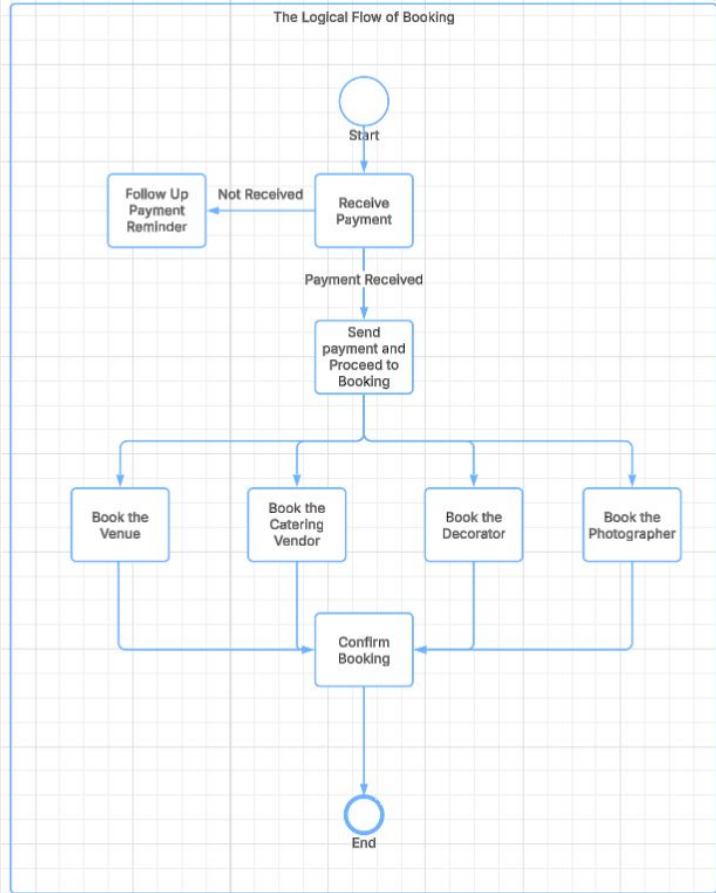
Activity Diagram

Booking invoices, invoice sent to customer, and invoice payment recieved

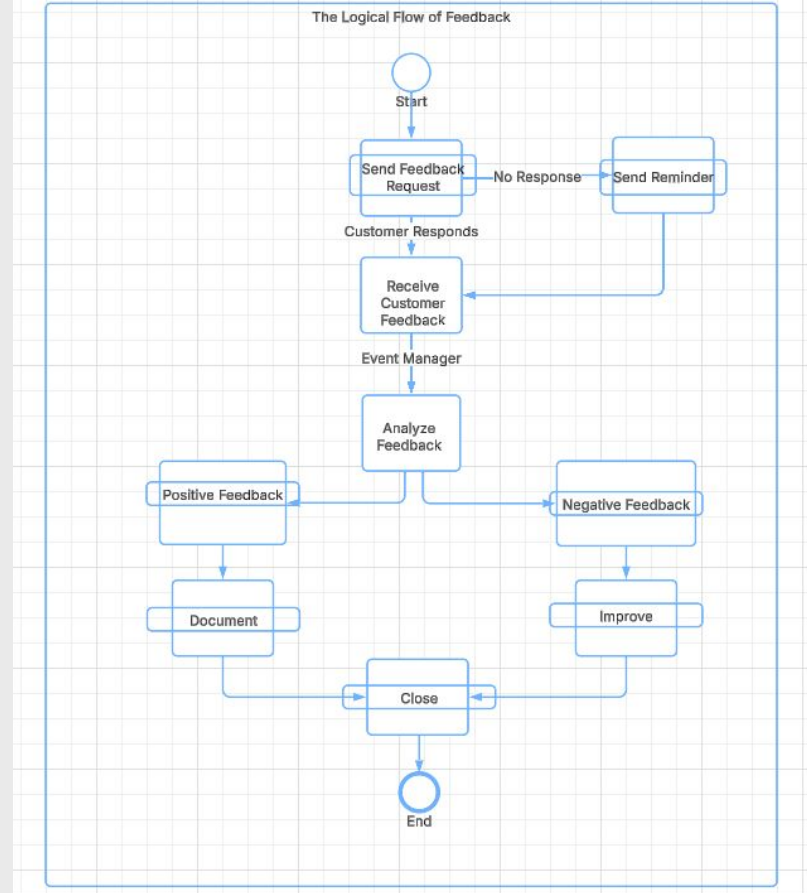


Activity Diagram

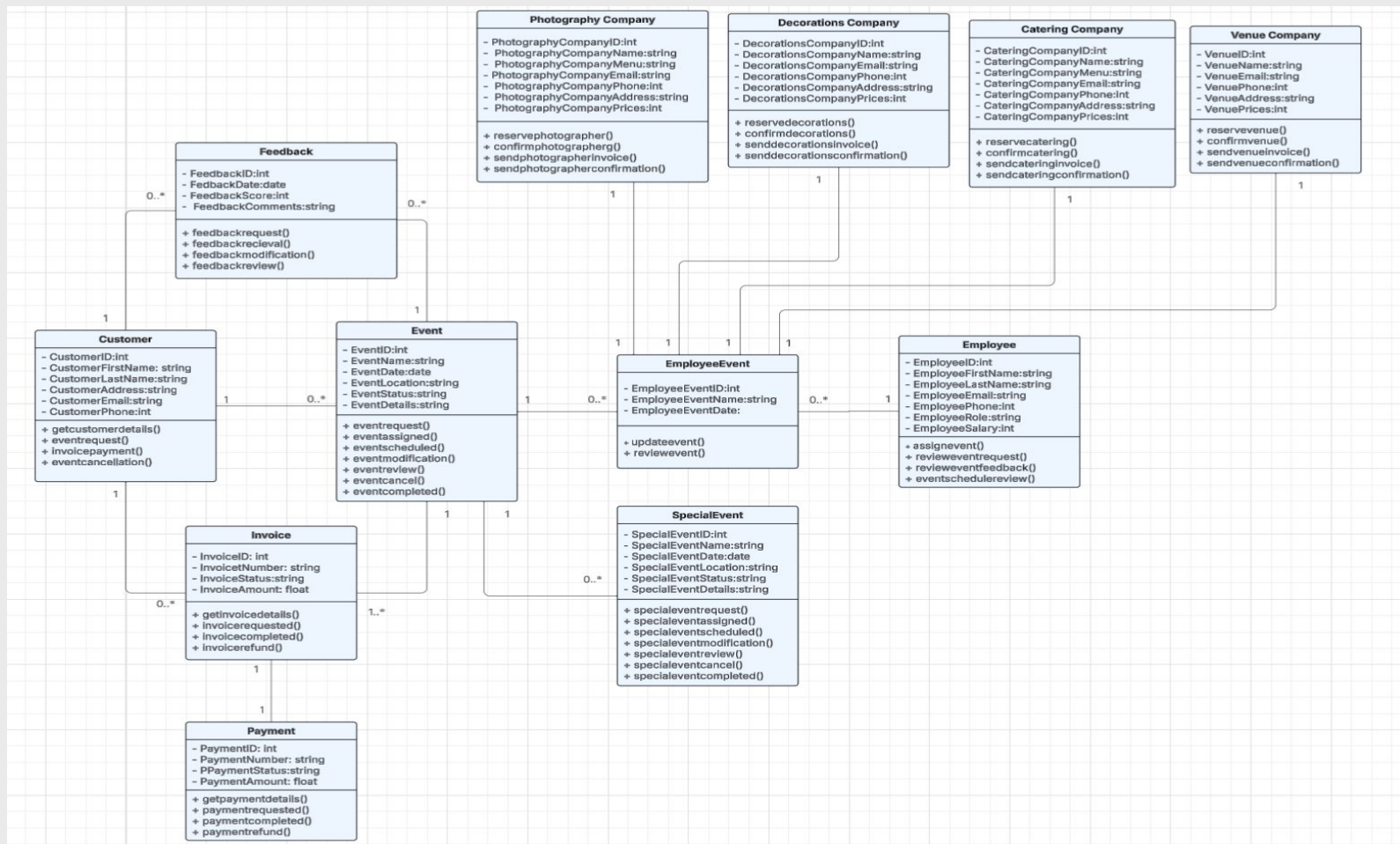
Finalizing the Booking after Payment Processing



Finalizing the Feedback Process after Collection and Analysis

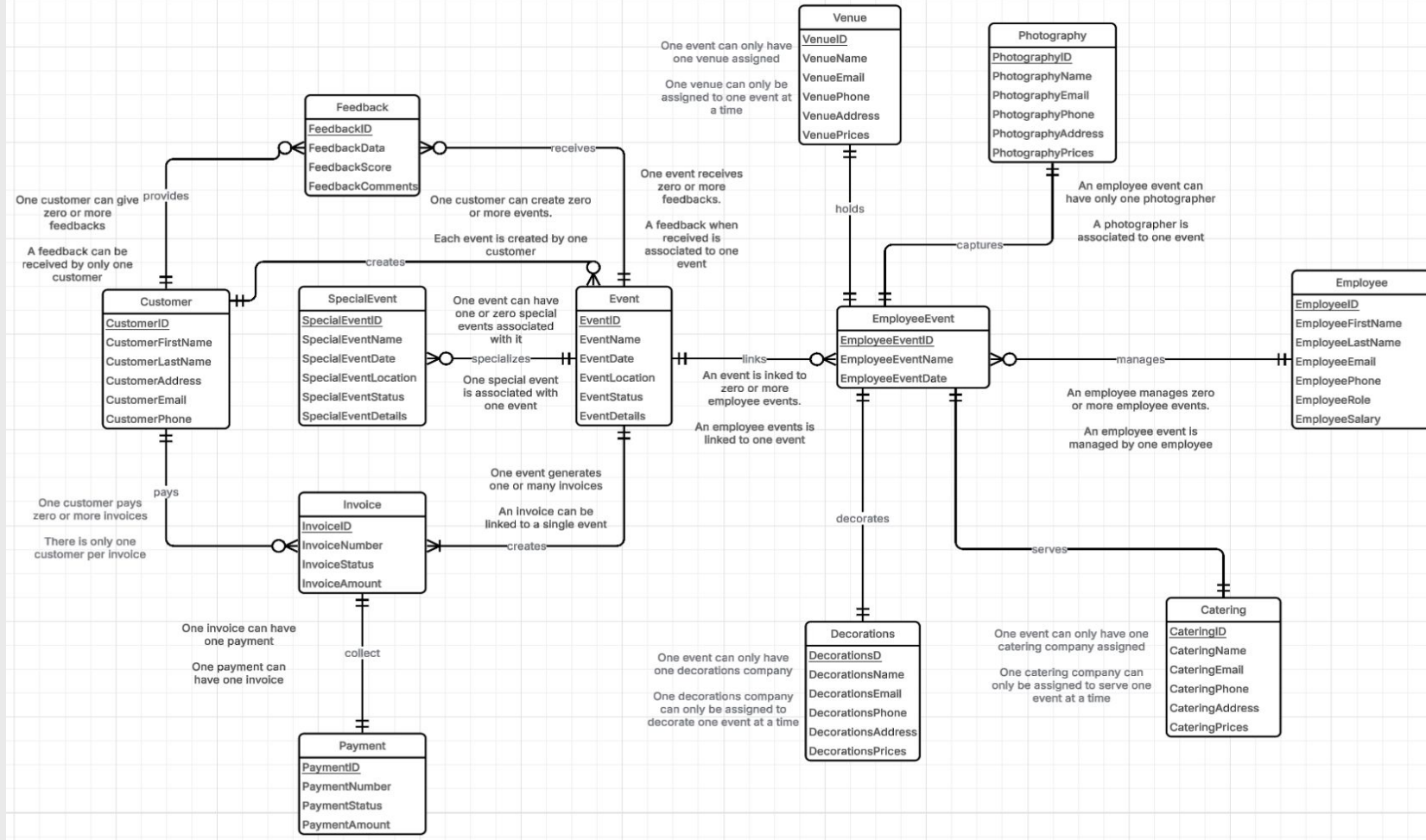


Class Diagram

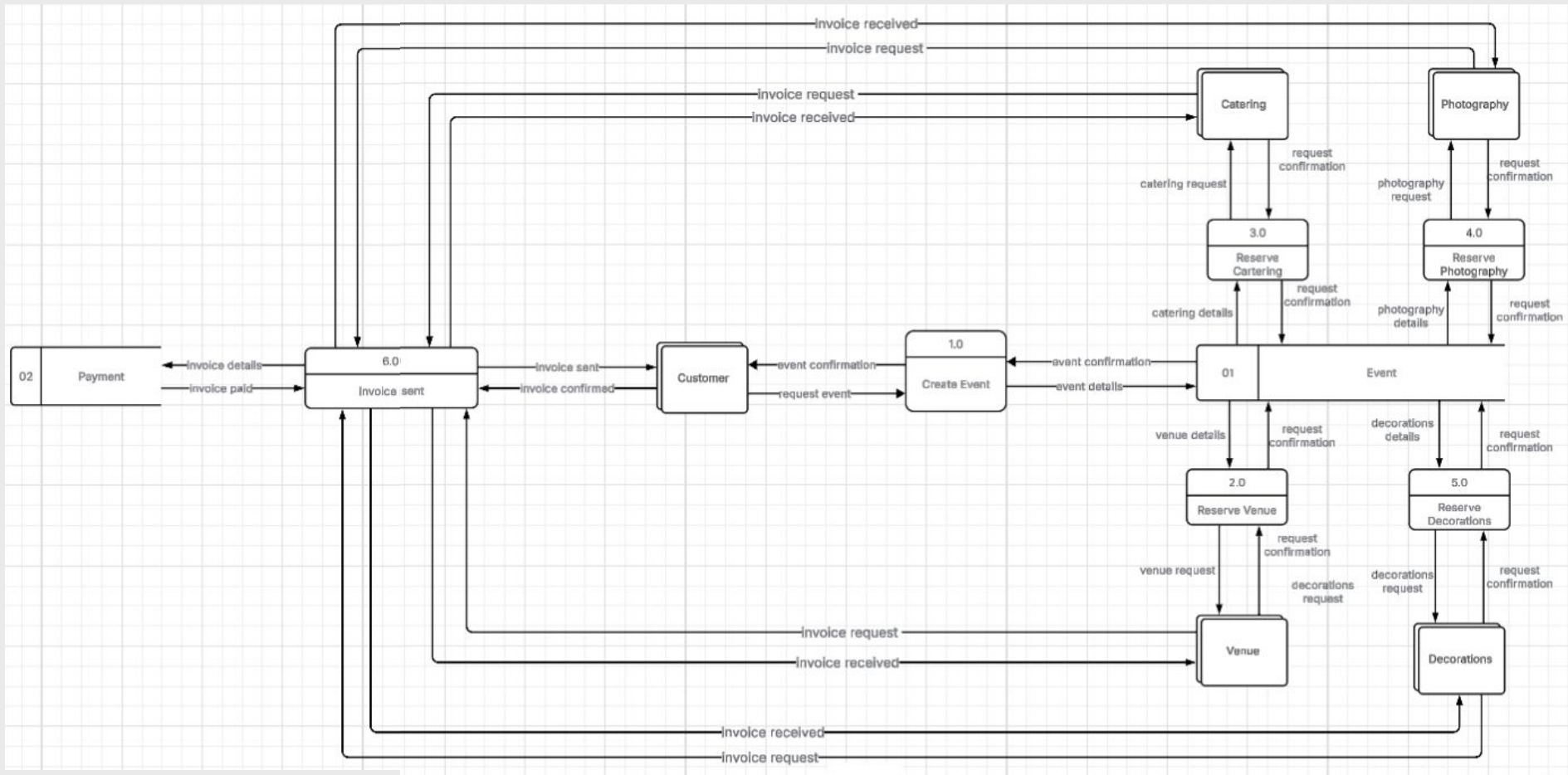


Data Modeling

ERD



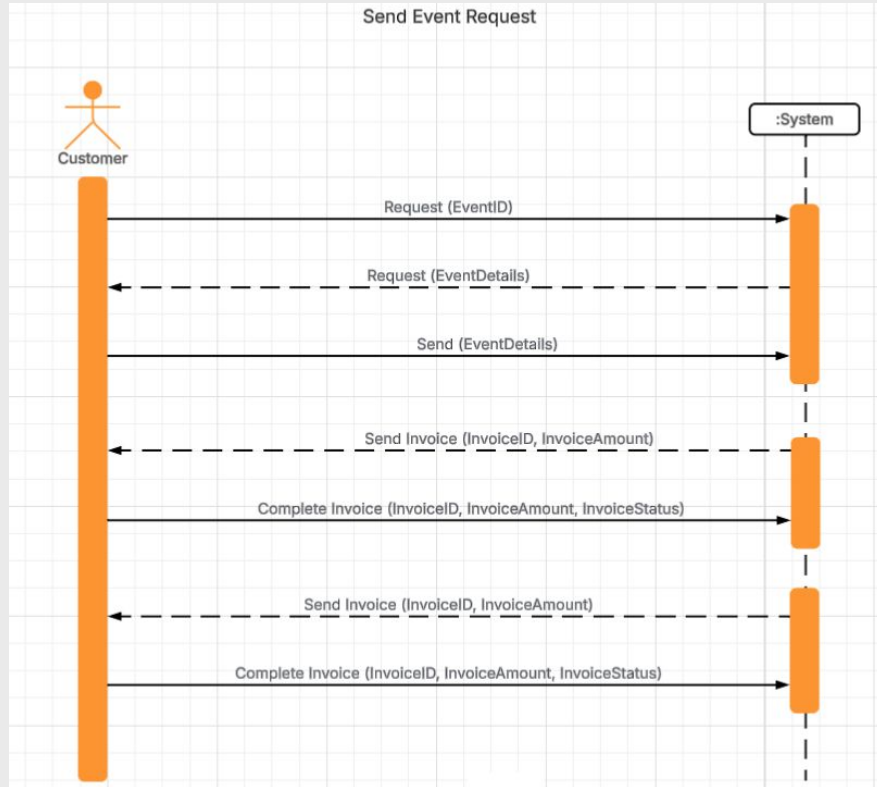
DFD



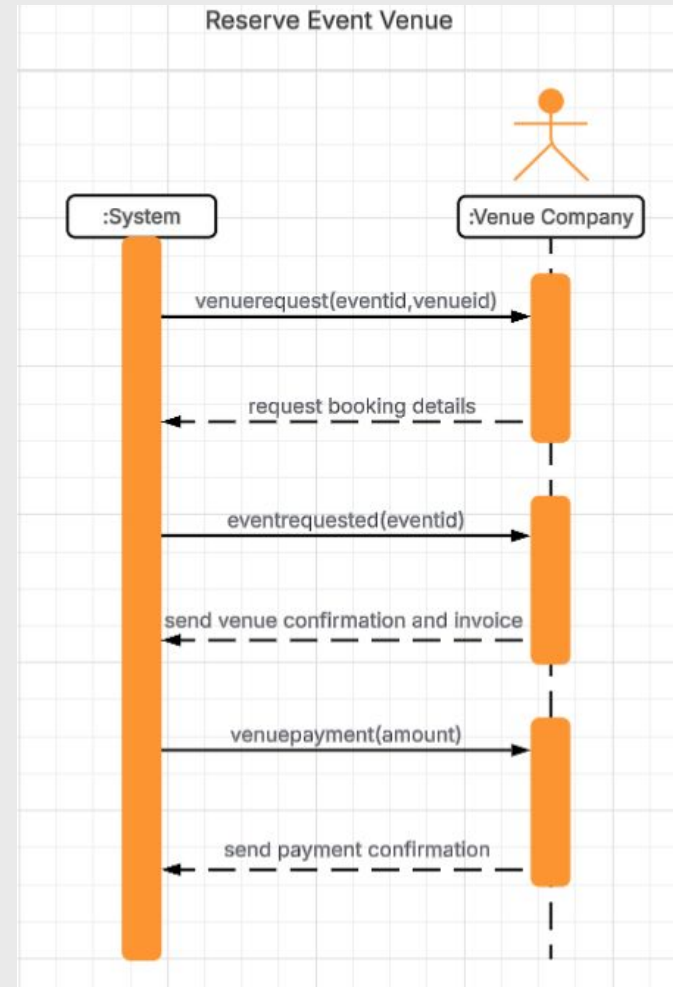
Dynamic Modeling

Sequence Diagram

Send Event Request

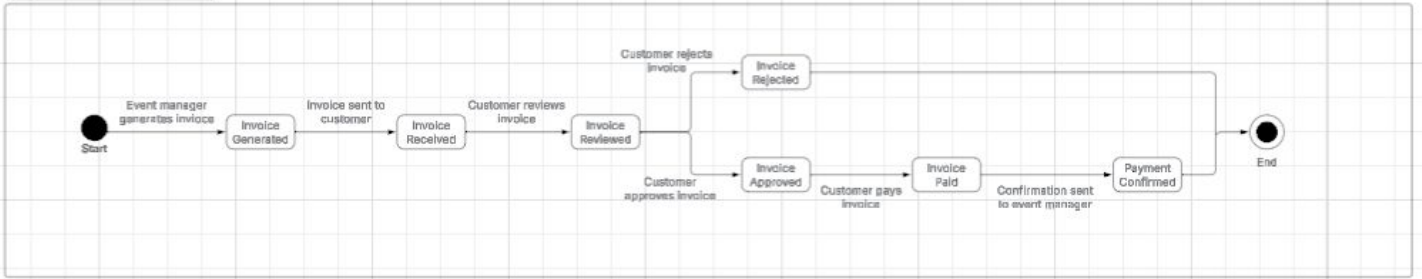


Reserve Event Venue

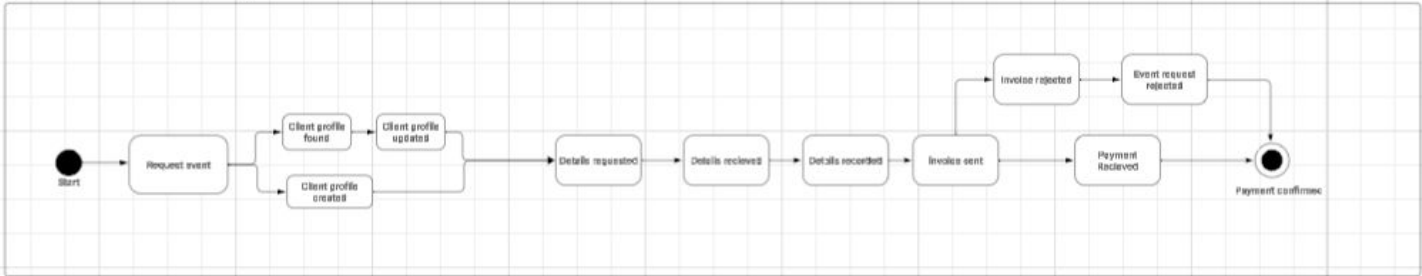


Statechart Diagram

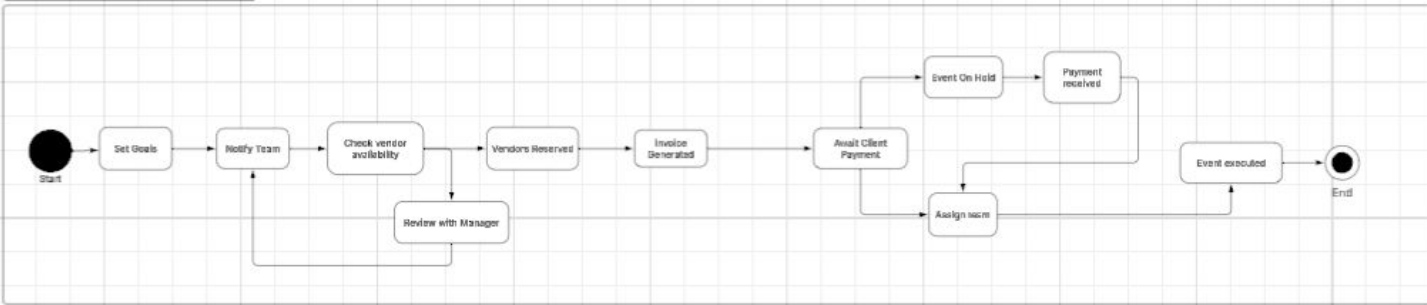
Payments State Diagram



Requirements State Diagram

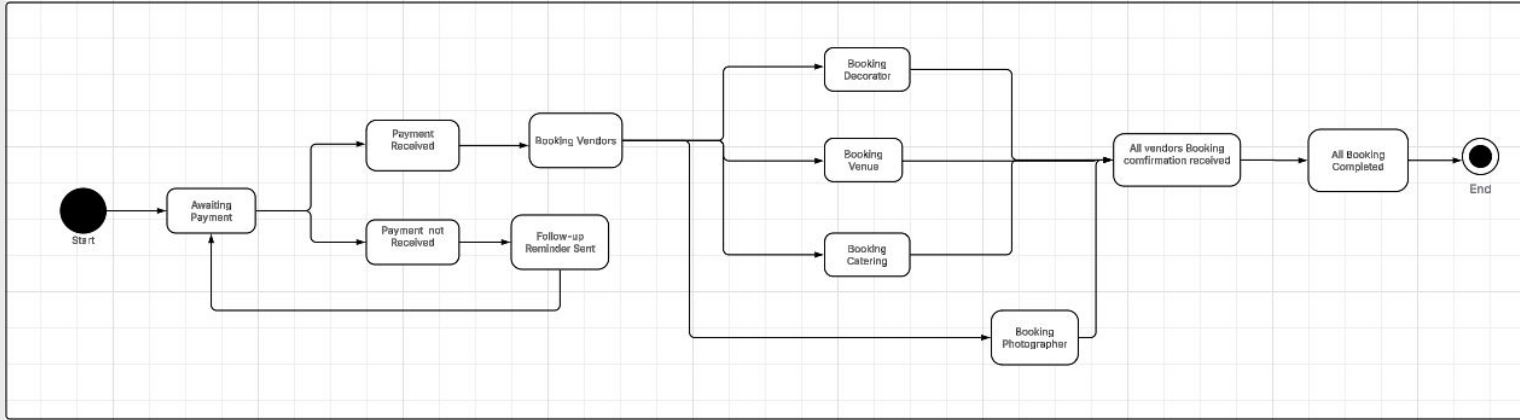


Event Planning State Diagram

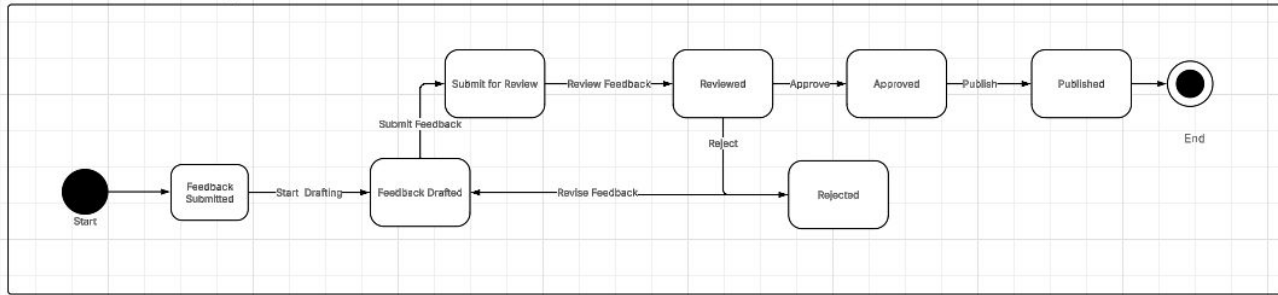


Statechart Diagram

Booking State Diagram



Feedback State Diagram





EXPLORE

Our Services

Book Photographer

Professional photographers to capture your special moments.

Book Now

Rent Event Decorations

Transform your venue with our stunning decoration options.

Browse Decorations

Reserve Event Catering

Exquisite catering services for your special events.

Reserve Catering

Reserve Event Venue

Find the perfect venue for your upcoming event.

Find Venue

Send Event Request

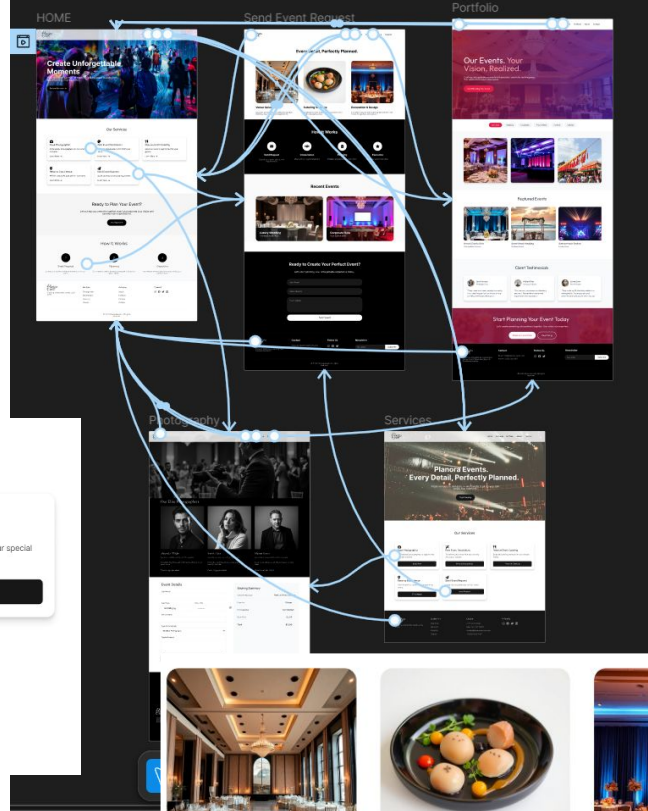
Let us help you plan your perfect event.

Send Request



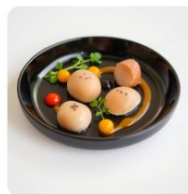
Emma Davis
Private Party

"They made my 50th birthday celebration unforgettable. The decorations and entertainment were exactly what I wanted."



Venue Selection

Discover and secure the perfect venue that matches your vision and requirements.



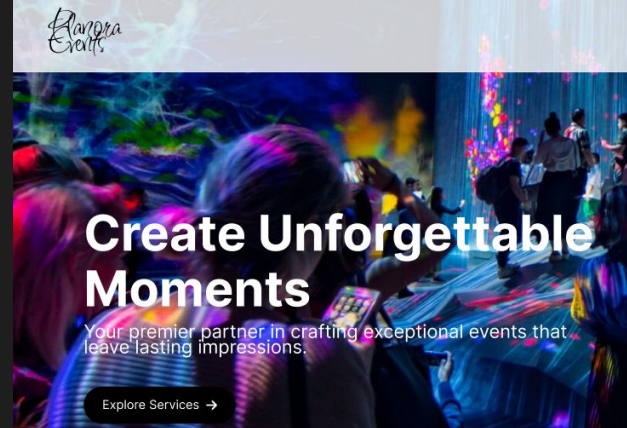
Catering Services

Exquisite culinary experiences tailored to your taste and preferences.



Decoration & Design

Transform spaces with stunning decorations that create the perfect atmosphere.



Create Unforgettable Moments

Your premier partner in crafting exceptional events that leave lasting impressions.

Explore Services →

Our Elite Photographers



Sophie Chen

Specializes in Corporate & Event Photography

Known for capturing authentic moments with a contemporary edge.



Creating memorable events since 2025

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Questions