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## SOFTWARE DESIGN AND ARCHITECTURE

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## **Project Scope:**

Happen Hub is an event planning and management system that allows organizers to plan, manage and schedule events on both small, and large-scale level. Happen Hub also facilitates its users to budget, and make arrangements for their event, by gathering the relevant logistical forces needed for event management onto a single platform. Event planners can also offer their services and stay organized through the Happen Hub platform.

## Actor Goal List:

Actor	Goals
Client ( <b>Primary Actor</b> )	<ul style="list-style-type: none"> <li>● Hire an event planner.</li> <li>● Plan an event.</li> <li>● Create To-Do/Requirement List</li> <li>● Hire logistics services.</li> <li>● Pay for services.</li> <li>● Create attendee list.</li> <li>● Budget the event.</li> </ul>
Event planners ( <b>Primary Actor</b> )	<ul style="list-style-type: none"> <li>● Register as event planner.</li> <li>● Handle client requests</li> <li>● Confirm event details.</li> <li>● Create attendee list for client.</li> <li>● Generate a bill for client.</li> <li>● Receive payment.</li> <li>● Receive reviews from clients.</li> <li>● Hire logistics services.</li> <li>● Budget the event.</li> <li>● Create To-Do/Requirement List.</li> </ul>
Logistics services ( <b>Primary Actor</b> )	<ul style="list-style-type: none"> <li>● Display the service provided (e.g., food and catering options, entertainment option, type of venue, profiles and portfolio of photographers, security services e.t.c)</li> <li>● Manage client requests/orders.</li> <li>● Schedule bookings.</li> <li>● Manage event requirements.</li> </ul>

## Use Case Diagram



## High-Level Use Cases:

Use Case ID: UC-1	
Use case	Register as Event Planner
Actors	Event Planner
Type	Primary
Description	An event planner creates an account with the system, and signs in as an Event Planner. Whilst creating the profile, the Event Planner enters relevant credentials, and details. The user submits a request for account creation and is ready to be used by clients for event management.

Use Case ID: UC-2	
Use case	Register as Logistic Service
Actors	Logistic Service
Type	Primary
Description	A Logistic Service representative creates an account with the system, and signs in as a Logistic Service. Relevant credentials, and details are entered. The user submits a request for account creation and is ready to be used by clients for event management.

Use Case ID: UC-2	
Use case	Hire an Event Planner
Actors	Client, Event Planner
Type	Primary
Description	A client searches and selects an Event Planner registered on Happen Hub. If the selected event planner is suitable for the client's event, then the client sends that event planner a request to handle their event.

Use Case ID: UC-3	
Use case	Generate Bill

<b>Actors</b>	Event Planner, Logistic Service
<b>Type</b>	Primary
<b>Description</b>	The Event Planner/Logistic Service requests the system to create an itemized list of all the services that were used by the event for a particular client. Once the user confirms the details of the bill, they request the system to send that bill to the relevant client.

<b>Use Case ID: UC-4</b>	
<b>Use case</b>	Review Event Planner
<b>Actors</b>	Client
<b>Type</b>	Primary
<b>Description</b>	When the client has used the services of an Event Planner on Happen Hub, they rate that Event Planner and write their comments and experiences for them, so that other clients can pick their Event Planner accordingly.

<b>Use Case ID: UC-5</b>	
<b>Use case</b>	View Logistic Services
<b>Actors</b>	Client
<b>Type</b>	Primary
<b>Description</b>	A Client (individual/event planner/organization) selects the types of services they require for their event. They will then choose specific companies whose services they want to use and will click on their profile to view the services they are providing.

<b>Use Case ID: UC-6</b>	
<b>Use case</b>	Book Logistic Services
<b>Actors</b>	Client, Event Planner, Logistics Services
<b>Type</b>	Primary
<b>Description</b>	A Client (individual/event planner/organization) selects the types of services they require for their event. They will then choose specific companies

	whose services they want to use and will send a request to those companies for scheduling. Those companies, in turn, will either confirm the client's request and ask for details regarding the event and the client's preferences, or they will deny the client's request.
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Use Case ID: UC-7	
<b>Use case</b>	Budget the event
<b>Actors</b>	Client, Event Planner
<b>Type</b>	Primary
<b>Description</b>	Users create a spending plan/budget by inputting the amount of available funds (with funds used initially at null) and can also allocate certain funds for specific expenses in the beginning. The system keeps track of the funds used by adding the cost of the services the user is acquiring for their event.

Use Case ID: UC-8	
<b>Use case</b>	Document Event Details
<b>Actors</b>	Client, Event Planner
<b>Type</b>	Primary
<b>Description</b>	Users request Happen Hub to create a List for the event to document the requirements of the event and the activities that need to be done for the event. Users can categorize and customize the list according to their needs. Users may request the system to create a report document to record the details regarding the event.

Use Case ID: UC-9	
<b>Use case</b>	Create Attendee List
<b>Actors</b>	Client, Event Planner
<b>Type</b>	Primary
<b>Description</b>	Users request the system to create an attendee list. Users enter the number and names of potential visitors that might join the event. Users can also enter the link to a virtual meeting if their event is virtual.

Use Case ID: UC-10	
<b>Use case</b>	Display/Update services provided
<b>Actors</b>	Logistics Services (e.g., food and catering services, entertainment services, venue companies, photographers, security services, decor and lighting services, e.t.c)
<b>Type</b>	Primary
<b>Description</b>	The Logistics Service, providing its services through Happen Hub, requests the system to create a menu/list that keep clients regarding the types of services they provide. A member of the Logistics Service customizes this list accordingly, and Happen Hub also allows them to create a portfolio to display the way they provide the service.

Use Case ID: UC-11	
<b>Use case</b>	Manage client requests
<b>Actors</b>	Logistics Services (e.g., food and catering services, entertainment services, venue companies, photographers, security services, decor and lighting services, e.t.c)
<b>Type</b>	Primary
<b>Description</b>	A Logistics Service receives requests from the client. The requests include the time/date of the event, what they want from the logistic service, and the size of the event (number of people coming to the event, location, food preferences e.t.c.). The Logistics Service has the option to decline or accept that request, and the system will inform the client accordingly.

Use Case ID: UC-12	
<b>Use case</b>	Schedule bookings
<b>Actors</b>	Logistics Services (e.g., food and catering services, entertainment services, venue companies, photographers, security services, decor and lighting services, e.t.c)
<b>Type</b>	Primary
<b>Description</b>	To ensure that a logistics service can provide their service (for e.g., venue,

	photographers, entertainers, catering e.t.c) at a particular date/time, TBD provides the Logistics Services with a scheduler to keep track of dates. They add and remove dates according to the commitments they have made to the clients.
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Use Case ID: UC-13	
<b>Use case</b>	Handle Client Requests
<b>Actors</b>	Event Planner
<b>Type</b>	Primary
<b>Description</b>	A client sends an Event Planner of their choice a request. Event Planner accepts/declines the request, and the client is informed of the Event Planner's decision

Use Case ID: UC-14	
<b>Use case</b>	Receive Invoice
<b>Actors</b>	Client
<b>Type</b>	Primary
<b>Description</b>	The user is shown a detailed list of the vendors whose services they have taken, along with their respective prices once the event has taken place Invoices are created for the user which they can print.

Use Case ID: UC-15	
<b>Use case</b>	Create Event
<b>Actors</b>	Client
<b>Type</b>	Primary
<b>Description</b>	The client upon logging into HappenHub. Requests the system to create an event so that they can plan and hire relevant event planners and logistic services they need for their event. They fill in a summary of detail about the event.

## Extended Use Cases

Use Case 1													
Use Case Name	Hire an Event Planner												
Scope	HappenHub												
Level	User Goal												
Primary Actor	Client, Event Planner												
Stakeholders and Interests	<p><b>A. Client:</b> Actor wants to hire an event planner to plan out their event.</p> <p><b>B. Event Planner:</b> Actor wants to get hired to get work and get paid.</p>												
Preconditions	1. The Client is registered with the Event Planning and Management System.												
Postconditions	<ol style="list-style-type: none"> <li>1. The Client has an event planner working to provide his services.</li> <li>2. The Event Planner is hired by the Client.</li> <li>3. The Client and Event planner has now access to converse with each other for further collaboration.</li> </ol>												
Main Success Scenario	<table border="1"> <thead> <tr> <th>Actor Action</th><th>System Response</th></tr> </thead> <tbody> <tr> <td>1. Client searches up for an event planner registered with the system.</td><td></td></tr> <tr> <td></td><td>2. System shows the list of event planners.</td></tr> <tr> <td>3. Client chooses the event planner that suits the services they need.</td><td></td></tr> <tr> <td>4. Client requests to hire the planner.</td><td></td></tr> <tr> <td></td><td>5. System checks if the event planner is</td></tr> </tbody> </table>	Actor Action	System Response	1. Client searches up for an event planner registered with the system.			2. System shows the list of event planners.	3. Client chooses the event planner that suits the services they need.		4. Client requests to hire the planner.			5. System checks if the event planner is
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		<p>not already hired.</p> <p>6. System associates the event planner with the client.</p> <p>7. System creates a communication channel between the client and the planner.</p>
	8. Client has successfully hired an event planner.	
Extensions	<p>A. If the event planner searched for is not present:</p> <ul style="list-style-type: none"> <li>i. The client searches for an event planner using the search bar.</li> <li>ii. The event planner does not exist.</li> <li>iii. The system shows a list of the event planners that are most recommended and given better feedback.</li> </ul> <p>B. If the client is not registered:</p> <ul style="list-style-type: none"> <li>i. The client opens the hiring event planner page.</li> <li>ii. The system shows a message that this activity cannot be performed if you are not registered.</li> <li>iii. The system shows a button to go to the signup page.</li> </ul>	

Use Case 2	
Use Case Name	Book a Logistics Service
Scope	HappenHub
Level	User Goal
Primary Actor	Client, Event Planner, Logistics Services
Stakeholders and Interests	<p><b>A. Client/Event Planner:</b> Actor wants to hire logistic services for their events such as entertainment, food, catering etc.</p> <p><b>B. Logistic Services:</b> Actor provides its services to the client as per their request. (These services include food, catering, entertainment, DJ etc.)</p>
Preconditions	1. The Client is registered with the Event Planning and

	<p>Management System.</p> <ol style="list-style-type: none"> <li>1. The Client has a hired event planner.</li> <li>2. The Event planner is registered with the system.</li> <li>3. The logistics services are registered with the system.</li> </ol>										
Postconditions	<ol style="list-style-type: none"> <li>1. The Client has hired logistic services.</li> <li>2. The Event Planner has found the client a logistic service provider.</li> <li>3. The logistics services are booked with the client for the event.</li> </ol>										
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	7. The system notifies the										

		service providers to confirm booking.
	8. The logistic service provider confirms booking.	
		9. The system books the logistic services by the service provider for the certain event of the client.
Extensions	<p>A. If the Logistic service is not available/ full schedule:</p> <ul style="list-style-type: none"> <li>i. The event planner searches for the suitable logistic service provider.</li> <li>ii. The system displays that the service provider is not available at the moment or if the service provider is fully booked.</li> <li>iii. The system shows a list of the relevant service providers that are most recommended and given better feedback.</li> </ul> <p>B. If the Logistic service declines request:</p> <ul style="list-style-type: none"> <li>i. The event planner requests the services of the logistic services.</li> <li>ii. The system forwards the request to the logistic service providers.</li> <li>iii. The service provider declines the request.</li> <li>iv. The system notifies the event planner about the rejection of the request and provides other options.</li> <li>v. The system sends the service provider a form to fill to get the reason for not accepting the request. (For quality assurance)</li> </ul>	

<b>Use Case 3</b>	
<b>Use Case Name</b>	Receive Invoice

<b>Scope</b>	Management System
<b>Level</b>	User Goal
<b>Primary Actor</b>	Client
<b>Stakeholders and Interests</b>	<ul style="list-style-type: none"> <li>1. Client: Actor wants to pay for the services they took from the system, for that he generates the invoice for the payment.</li> </ul>
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>1. The Client is registered with the Event Planning and Management System.</li> <li>2. Event planner and Logistic services have made the bill for the services they provided.</li> </ul>
<b>Post conditions</b>	<ul style="list-style-type: none"> <li>1. The invoice has been generated and shared with the client.</li> </ul>

Main Success Scenario	Actor Action	System Response
	1. The client clicks the link provided to print the invoice from.	
		2. The link opens the invoice generated.
	3. The client clicks to print the invoice.	
		4. The system prints the invoice.
	5. The client has successfully received the invoice.	
<b>Extensions</b>	None. (At the moment the only payment option is via invoice)	

Use Case 4	
Use Case Name	Register as Logistic Service
Scope	HappenHub

Level	User Goal														
Primary Actor	Logistic Service														
Stakeholders and Interest	<p><b>A. Logistic Service:</b> Actor wants to create an account with the system, so that other users can avail their services through the system.</p> <p><b>B. Client/Event Planner:</b> Actor wants to hire a logistic service for their event.</p>														
Preconditions	<ol style="list-style-type: none"> <li>System is connected to Event Planning and Management System</li> </ol>														
Postconditions	<ol style="list-style-type: none"> <li>Logistic Service has an account with the system.</li> <li>Profiling of the service is completed.</li> <li>A list of services, and a catalog of images are uploaded onto the system</li> </ol>														
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		option to enter Logistic Service's description, list of services, and images of their service
	<p>9. The Logistic Service writes the company's description.</p> <p>10. The Logistic Service enters a service they provide, along with their rate/price.</p> <p>11. The Logistic Service uploads an image of their service</p>	
	Logistic Service repeats steps 10 and 11 until the limit of 3-4 is reached, or the Service clicks Done	
		12. The System previews the Actors' Services
	13. Logistic Service confirms the entered details	
		14. The System uploads the Logistic Service profile onto the system, and makes it viewable to clients and event planners registered to the system
	15. Logistic Service logs out of the system	
Extensions	<p>1. If the System is not able to authenticate Logistic Service's authenticity.</p> <ul style="list-style-type: none"> <li>a. Logistic Service is asked to provide correct input. <ul style="list-style-type: none"> <li>i. Logistic Service enters their company's official name.</li> <li>ii. Logistic Service enters the URL to their company's website.</li> </ul> </li> </ul>	

	<ol style="list-style-type: none"> <li>2. If Logistic Service is already a part of the system             <ol style="list-style-type: none"> <li>a. System displays an error message.</li> <li>b. Logistic Service can return to main/log in page.</li> </ol> </li> <li>3. System fails to save Logistic Service's list.             <ol style="list-style-type: none"> <li>a. System notifies Logistic Service of error.</li> <li>b. Logistic Service tries to reenter the information again</li> </ol> </li> </ol>
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<b>Use Case 5</b>							
Use Case Name	Handle Client Requests						
Scope	HappenHub						
Level	User Goal						
Primary Actor	<ol style="list-style-type: none"> <li>1. Logistic Service</li> <li>2. Client/Event Planner</li> </ol>						
Stakeholders and Interest	<p><b>A. Logistic Service:</b></p> <ol style="list-style-type: none"> <li>a. Wants to see which users are requesting for their services.</li> <li>b. Wants to see what type of services they are required to provide for the client's event.</li> <li>c. Wants to accept or reject the client's request accordingly.</li> </ol> <p><b>B. Client/Event Planner:</b></p> <ol style="list-style-type: none"> <li>a. Wants to hire Logistics Service for their event</li> </ol>						
Preconditions	<ol style="list-style-type: none"> <li>1. System is connected to Event Planning and Management System</li> <li>2. Actor is logged into the system.</li> <li>3. Client/Event Planner have sent their request to Logistic Service</li> </ol>						
Postconditions	<ol style="list-style-type: none"> <li>1. Client/Event Planner receive a notification regarding the acceptance/rejection of their request</li> </ol>						
Main Success Scenario	<table border="1"> <thead> <tr> <th>Actor Action</th><th>System Response</th></tr> </thead> <tbody> <tr> <td>1. Logistic Service clicks on one of the requests in the client-request list</td><td></td></tr> <tr> <td></td><td>2. System displays the</td></tr> </tbody> </table>	Actor Action	System Response	1. Logistic Service clicks on one of the requests in the client-request list			2. System displays the
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		client's name, contact details, date and location of the event, and details of what they want from the Logistic Service for their event
	3. Logistic Service clicks on accept/reject	
		<p>4. System confirm Actor's decision.</p> <p>5. If accept was clicked, System updates Logistic Services client list.</p> <p>6. System removes the client's request from the client request list.</p> <p>7. System sends client/event planner a notification about the Logistic Services decision regarding their request</p>
	Logistic Service repeats steps 1-6 till they return to their main page, or until they have an empty client-request list	
	8. Logistic Service Logs Out of System	
Extensions	<p>1. If Client/Event Planner no longer needs the Service, and Logistics accept the request.</p> <ul style="list-style-type: none"> <li>a. Client/Event Planner, inform the System they no longer need the service.</li> <li>b. System informs concerned Logistic Service via notification.</li> <li>c. Logistic Service acknowledges update.</li> <li>d. System requests Logistics Service to remove user from client list, or scheduler.</li> <li>e. Logistic Service give permission.</li> <li>f. System removes client details from client list and scheduler.</li> </ul> <p>2. Client/Event Planner do not receive notification regarding</p>	

	<p>Logistics Decision within 2 days.</p> <ul style="list-style-type: none"> <li>a. System sends Logistic Service reminder of client request</li> </ul>
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Use Case 6													
Use Case Name	Schedule Bookings												
Scope	HappenHub												
Level	User Goal												
Primary Actor	Logistic Service												
Stakeholders and Interest	<p><b>A. Logistic Service:</b></p> <ul style="list-style-type: none"> <li>a. Wants to keep track of the dates of events they were hired for.</li> <li>b. Wants to catalog which resources are required for each event</li> </ul>												
Preconditions	<ol style="list-style-type: none"> <li>1. System is connected to Event Planning and Management System</li> <li>2. Logistic Service is logged into the System.</li> <li>3. Client (who requested for service) is present in the client list</li> </ol>												
Postconditions	<ol style="list-style-type: none"> <li>1. Client's event is placed in the calendar/scheduler</li> </ol>												
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	12. System updates the event details.														
13. Logistic Service returns to client list.															
Extensions	<ol style="list-style-type: none"> <li>1. If Client has entered incorrect date in their details           <ol style="list-style-type: none"> <li>a. Logistic Service sends request to the client to correct their event date.</li> <li>b. System notifies regarding mistakes.</li> <li>c. Client receives request and updates mistakes.</li> <li>d. System notifies Logistic Service about the changes.</li> <li>e. Logistic Service adds event to their scheduler.</li> </ol> </li> <li>2. Client's event is already entered in the calendar.           <ol style="list-style-type: none"> <li>a. System displays notification.</li> <li>b. Logistic Service returns to client list.</li> </ol> </li> <li>3. System fails to update itinerary list on scheduler.           <ol style="list-style-type: none"> <li>a. System notifies regarding unsaved changes.               <ol style="list-style-type: none"> <li>i. Logistic Service waits for system to make updates before returning to scheduler.</li> </ol> </li> <li>b. System asks the Logistic Service to re-enter</li> </ol> </li> </ol>														

	<p>information.</p> <ul style="list-style-type: none"> <li>i. Logistics Service enters details again.</li> <li>ii. Logistic Services clicks on save.</li> <li>iii. System updates the changes.</li> <li>iv. Actor returns to scheduler.</li> </ul> <p>4. Client cancels event.</p> <ul style="list-style-type: none"> <li>i. System notifies Actor of cancellation of event.</li> <li>ii. System requests Logistics Service to remove client information from scheduler.</li> <li>iii. Logistics Service accepts removal.</li> </ul> <p>5. Client changes event date</p> <ul style="list-style-type: none"> <li>i. System informs Logistic Service regarding the change.</li> <li>ii. System asks Logistic Service to update the date of the event in the scheduler.</li> <li>iii. Logistics Service accepts</li> </ul>
--	---

Use Case 7			
Use Case Name:	Registering as an event planner		
Scope:	HappenHub		
Level:	User goal		
Primary Actor:	Event planner		
Stakeholders and interests:	<ol style="list-style-type: none"> <li>1. <b>Event planner:</b> actor wants to register themselves on the system.</li> <li>2. <b>System:</b> the system wants to register the user on the database</li> </ol>		
Preconditions:	<ol style="list-style-type: none"> <li>1. The user is active on the system.</li> <li>2. The user has entered their relevant details on the sign-up page.</li> <li>3. Or the user chooses to create a new account</li> </ol>		
Post conditions:	The user is registered as an event planner on the system		
Main Success Scenario:	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; padding: 5px;">Actor action</th><th style="text-align: center; padding: 5px;">System response</th></tr> </thead> </table>	Actor action	System response
Actor action	System response		

	<p>1. The new user i.e., the event planner is online on the system's sign-up page</p> <p>2. The user makes a choice between 'create new account' or 'register' (linked to other options)</p> <p>3. The system opens the terminal based on user's choice</p> <p>4. The user enters their relevant details that are asked by the system</p> <p>5. The user clicks on sign up</p> <p>6. A pin code is generated and sent to the email that the user has entered prior</p> <p>7. The user enters the received email</p> <p>8. The users' credentials are added to the system's database</p> <p>9. The user is logged onto the system</p>	
Extensions:	<p>1. If the system is not able to authenticate event planner:</p> <ol style="list-style-type: none"> <li>The user is asked to enter correct input:           <ol style="list-style-type: none"> <li>The user enters correct company/username.</li> <li>The user enters correct password.</li> </ol> </li> </ol> <p>2. If the event planner is already a part of the system:</p> <ol style="list-style-type: none"> <li>The user is notified to log in as they are already registered.</li> </ol> <p>3. System fails to save sign up details.</p> <ol style="list-style-type: none"> <li>System notifies Event Planner of error.</li> <li>User tries to re-enter information.</li> </ol> <p>4. If the user is unable to create account:</p>	

	a. The user is asked to try again later.
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Use Case 8													
Use Case Name:	Handle client requests												
Scope:	HappenHub												
Level:	User goal												
Primary Actor:	Event planner/ service providers												
Stakeholders and interests:	<ol style="list-style-type: none"> <li>1. <b>Client:</b> actor shall request a service of their choice</li> <li>2. <b>Event planner:</b> actor shall be able to accept/decline/negotiate received requests</li> </ol>												
Preconditions:	<ol style="list-style-type: none"> <li>1. A client has selected an event planner/service.</li> <li>2. The client sent a request for their service.</li> </ol>												
Post conditions:	<ol style="list-style-type: none"> <li>1. The client requests are accepted/ declined.</li> <li>2. A response alert is generated for the client</li> </ol>												
Main Success Scenario:	<table border="1"> <thead> <tr> <th>Actor action</th> <th>System response</th> </tr> </thead> <tbody> <tr> <td>1. The client requests a service from the event planners</td> <td></td></tr> <tr> <td></td> <td>2. The request is sent to the event planners' request box</td></tr> <tr> <td>3. The client has been given an option to send a direct message as well</td> <td></td></tr> <tr> <td></td> <td>4. The message is sent to the inbox of the event planner</td></tr> <tr> <td>5. The event planners go through the request and can further</td> <td></td></tr> </tbody> </table>	Actor action	System response	1. The client requests a service from the event planners			2. The request is sent to the event planners' request box	3. The client has been given an option to send a direct message as well			4. The message is sent to the inbox of the event planner	5. The event planners go through the request and can further	
Actor action	System response												
1. The client requests a service from the event planners													
	2. The request is sent to the event planners' request box												
3. The client has been given an option to send a direct message as well													
	4. The message is sent to the inbox of the event planner												
5. The event planners go through the request and can further													

	communicate for more details and finalize booking	
		6. After finalized time and date, a slot on availability sheet on the event planner's profile is booked to prevent overlapping of commitments
		7. When the date and time of the booking are near, a reminder is generated by the system
Extensions:	<ol style="list-style-type: none"> <li>1. If the system is not able to generate the request:             <ol style="list-style-type: none"> <li>a. User is asked to recheck their connection.</li> <li>b. User retries their request.</li> </ol> </li> <li>2. If the slot is already booked             <ol style="list-style-type: none"> <li>a. User is notified that the slot is already booked.</li> <li>b. User is asked to select another available slot to avail services</li> </ol> </li> </ol>	

Use Case 9	
Use Case Name:	Review event planner
Scope:	HappenHub
Level:	User goal
Primary Actor:	Client
Stakeholders and interests:	<ol style="list-style-type: none"> <li>1. <b>Client:</b> actor wants to review a service provider</li> <li>2. <b>Event planners:</b> Actor has provided services for which they will be receiving a review</li> </ol>

Preconditions:	1. The client is logged onto the system. 2. The client has previously availed the services they are about to post a review of 3. The client has written and posted their review											
Post conditions:	A review about the event planner has been published on their profile by the client											
Main Success Scenario:	<table border="1"> <thead> <tr> <th>Actor action</th> <th>System response</th> </tr> </thead> <tbody> <tr> <td>1. The client opens the profile of the event planner they have booked and availed services of</td> <td></td> </tr> <tr> <td></td> <td>2. The profile has an option to 'post a review'</td> </tr> <tr> <td>3. The client/user writes and posts the review</td> <td></td> </tr> <tr> <td></td> <td>4. The review is published on the event planner's profile</td> </tr> </tbody> </table>		Actor action	System response	1. The client opens the profile of the event planner they have booked and availed services of			2. The profile has an option to 'post a review'	3. The client/user writes and posts the review			4. The review is published on the event planner's profile
Actor action	System response											
1. The client opens the profile of the event planner they have booked and availed services of												
	2. The profile has an option to 'post a review'											
3. The client/user writes and posts the review												
	4. The review is published on the event planner's profile											
Extensions:	<p>1. If the system is not able to publish the review</p> <ul style="list-style-type: none"> <li>a. The user is asked to retry.</li> <li>b. The user is asked to recheck their connection</li> </ul>											

Use Case 10	
Use Case Name	Create Event
Scope	HappenHub
Level	User Goal
Primary Actor	Client
Stakeholders and	<b>A. Client:</b> Client wants to create an event on the system, so that

Interest	they can stay organized and can plan their event accordingly <b>B. Event Planner/Logistic Service:</b> Wants the client to create an event so that they can be hired for that particular event.												
Preconditions	Client has logged into the system												
Postconditions	Event is created												
Main Success Scenario	<table border="1"> <thead> <tr> <th>Actor Action</th><th>System Response</th></tr> </thead> <tbody> <tr> <td>1. The client requests the system to create an event</td><td></td></tr> <tr> <td></td><td>2. System asks the user to input event date, type, and audience size and location e.t.c. 3. System displays an event page with the entered information 4. System adds event to user's list of events</td></tr> <tr> <td>4. Client selects option to enter event requirements</td><td></td></tr> <tr> <td></td><td>5. System opens page for event requirements</td></tr> <tr> <td>6. Client enters event requirements</td><td></td></tr> </tbody> </table>	Actor Action	System Response	1. The client requests the system to create an event			2. System asks the user to input event date, type, and audience size and location e.t.c. 3. System displays an event page with the entered information 4. System adds event to user's list of events	4. Client selects option to enter event requirements			5. System opens page for event requirements	6. Client enters event requirements	
Actor Action	System Response												
1. The client requests the system to create an event													
	2. System asks the user to input event date, type, and audience size and location e.t.c. 3. System displays an event page with the entered information 4. System adds event to user's list of events												
4. Client selects option to enter event requirements													
	5. System opens page for event requirements												
6. Client enters event requirements													
Extensions	1. Client no longer needs to plan the event. <ul style="list-style-type: none"> <li>a. Client informs the system that they no longer need to plan the event.</li> <li>b. System removes/deletes the event and informs the user of the update.</li> <li>c. System updates the user's activity list regarding the deleted event.</li> </ul> 2. Event is already made <ul style="list-style-type: none"> <li>a. System compares the event in the user's event list.</li> <li>b. System informs the user of the similarity of the event.</li> <li>c. System asks the user if they still want to create the event</li> </ul>												

Use Case 11																	
Use Case Name	Budget Event																
Scope	HappenHub																
Level	User Goal																
Primary Actor	Client/Event Planner																
Stakeholders and Interest	<p><b>A. Client/Event Planner:</b> Want to be able to record the available funds they have, and record the allocation of that money (according to their plan and what was actually spent), so that they can plan their monetary expenses accordingly.</p>																
Preconditions	<ol style="list-style-type: none"> <li>1. User is logged into the system</li> <li>2. Client has created an event</li> </ol>																
Postconditions	<ol style="list-style-type: none"> <li>1. Budget for the event has been set</li> </ol>																
Main Success Scenario	<table border="1"> <thead> <tr> <th>Actor Action</th><th>System Response</th></tr> </thead> <tbody> <tr> <td>1. User requests the system to set up the budget for the event.</td><td></td></tr> <tr> <td></td><td> <ol style="list-style-type: none"> <li>2. System displays a budget log</li> <li>3. System asks the user to enter their total overall budget</li> </ol> </td></tr> <tr> <td>4. Users input the total budget/limit they can spend on the event. Note: There can be an option to set up an unlimited budget</td><td></td></tr> <tr> <td></td><td> <ol style="list-style-type: none"> <li>5. System stores budget</li> </ol> </td></tr> <tr> <td>6. User requests system to create list to divide budget</td><td></td></tr> <tr> <td></td><td> <ol style="list-style-type: none"> <li>7. System displays an empty list</li> </ol> </td></tr> <tr> <td>8. User inputs the resource/object on which money is spent. 9. User inputs the money spent</td><td></td></tr> </tbody> </table>	Actor Action	System Response	1. User requests the system to set up the budget for the event.			<ol style="list-style-type: none"> <li>2. System displays a budget log</li> <li>3. System asks the user to enter their total overall budget</li> </ol>	4. Users input the total budget/limit they can spend on the event. Note: There can be an option to set up an unlimited budget			<ol style="list-style-type: none"> <li>5. System stores budget</li> </ol>	6. User requests system to create list to divide budget			<ol style="list-style-type: none"> <li>7. System displays an empty list</li> </ol>	8. User inputs the resource/object on which money is spent. 9. User inputs the money spent	
Actor Action	System Response																
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4. Users input the total budget/limit they can spend on the event. Note: There can be an option to set up an unlimited budget																	
	<ol style="list-style-type: none"> <li>5. System stores budget</li> </ol>																
6. User requests system to create list to divide budget																	
	<ol style="list-style-type: none"> <li>7. System displays an empty list</li> </ol>																
8. User inputs the resource/object on which money is spent. 9. User inputs the money spent																	

	on that resource/object	
		10. System records the resource 11. System records money spent on the resource 12. System checks if input sum of input is less than budget 13. System warns user about going over budget
	Steps 9, 10, 11, 12, 13 and 4 are repeated until user declares that they have completed budget allocation	
		13. System displays the budget list
	14. User confirms the budget list 15. User requests system to create a money spent list	
		16. System creates a money spent list
	17. User records the money actually spent for each resource	
		18. System stores money spent on each resource
Extensions	1. System fails to save the budget and list created by the user <ul style="list-style-type: none"> <li>a. User is warned about loss of data</li> <li>b. System shows user most recent version of budget list</li> <li>c. User inputs requirements again</li> </ul>	

<b>Use Case 12</b>	
Use Case Name	Generate Bill
Scope	HappenHub
Level	User Goal

Primary Actor	Event Planner/Logistic Service												
Stakeholders and Interests	<p>A. <b>Event Planner:</b> Actor wants to create an itemized list of all the services that were used by the event for a client.</p> <p>B. <b>Logistic Service:</b> Actor wants to create an itemized list of all the services that were used by the event for a client.</p>												
Preconditions	<ol style="list-style-type: none"> <li>1. The Event Planner/Logistic Service is registered with the Event Planning and Management System.</li> <li>2. The stakeholder is logged in to the system.</li> <li>3. The stakeholder has provided services to the client they want to generate the bill for.</li> </ol>												
Postconditions	<ol style="list-style-type: none"> <li>1. A bill is generated for the services the client took from the stakeholder.</li> <li>2. The Bill is sent to the client.</li> </ol>												
Main Success Scenario	<table border="1"> <thead> <tr> <th>Actor Action</th> <th>System Response</th> </tr> </thead> <tbody> <tr> <td>1. The stakeholder opens the client he wants to generate a bill for.</td> <td></td> </tr> <tr> <td></td> <td>2. System shows the client and the services the stakeholder provided him.</td> </tr> <tr> <td>3. The stakeholder clicks on the generate bill button.</td> <td></td> </tr> <tr> <td></td> <td>4. System generates a bill for the client. 5. System sends the bill to the client.</td> </tr> <tr> <td>6. The stakeholder has successfully generated the bill for the client.</td> <td></td> </tr> </tbody> </table>	Actor Action	System Response	1. The stakeholder opens the client he wants to generate a bill for.			2. System shows the client and the services the stakeholder provided him.	3. The stakeholder clicks on the generate bill button.			4. System generates a bill for the client. 5. System sends the bill to the client.	6. The stakeholder has successfully generated the bill for the client.	
Actor Action	System Response												
1. The stakeholder opens the client he wants to generate a bill for.													
	2. System shows the client and the services the stakeholder provided him.												
3. The stakeholder clicks on the generate bill button.													
	4. System generates a bill for the client. 5. System sends the bill to the client.												
6. The stakeholder has successfully generated the bill for the client.													
Extensions	<p>A. If the client has not been provided service by the stakeholder:</p> <ul style="list-style-type: none"> <li>i. The generate bill option does not exist.</li> <li>iii. The system shows a list of the clients that the stakeholder provided the service to.</li> </ul>												

### Use Case 13

Use Case Name	Create Attendee list													
Scope	Event Planning and Management System													
Level	User Goal													
Primary Actor	Client, Event Planner													
Stakeholders and Interests	<p><b>A. Client:</b> Actor wants to create a list of people attending their event.</p> <p><b>B. Event Planner:</b> Actor wants to save and display that list in their data for the event.</p>													
Preconditions	<ol style="list-style-type: none"> <li>1. The Client has hired the Event Planning and Management System for an event they are hosting.</li> </ol>													
Postconditions	<ol style="list-style-type: none"> <li>1. The Client has an event planner working to provide their services.</li> <li>2. The Event Planner is hired by the Client.</li> <li>3. The Client and Event planner have now access to converse with each other for further collaboration.</li> </ol>													
Main Success Scenario	<table border="1"> <thead> <tr> <th>Actor Action</th> <th>System Response</th> </tr> </thead> <tbody> <tr> <td>1. Client opens up the profile of the event planner they have hired</td> <td></td> </tr> <tr> <td></td> <td>2. System shows the profile of the event planner.</td> </tr> <tr> <td>3. Client requests to create an attendee list.</td> <td></td> </tr> <tr> <td></td> <td>4. System displays an attendee list for the client.</td> </tr> <tr> <td>5. Client enters required details</td> <td></td> </tr> </tbody> </table>		Actor Action	System Response	1. Client opens up the profile of the event planner they have hired			2. System shows the profile of the event planner.	3. Client requests to create an attendee list.			4. System displays an attendee list for the client.	5. Client enters required details	
Actor Action	System Response													
1. Client opens up the profile of the event planner they have hired														
	2. System shows the profile of the event planner.													
3. Client requests to create an attendee list.														
	4. System displays an attendee list for the client.													
5. Client enters required details														

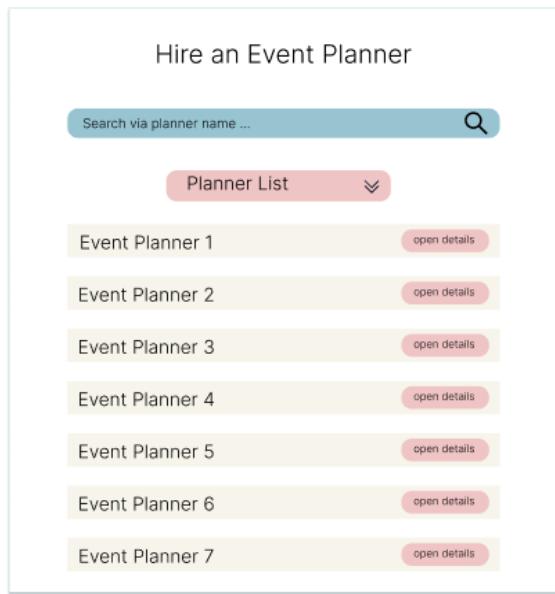
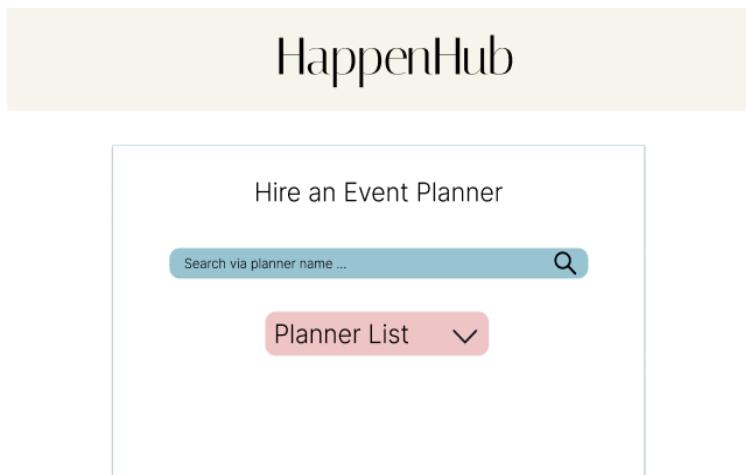
	<table border="1"> <tr> <td>into the list</td><td></td></tr> <tr> <td></td><td>6. System displays the list</td></tr> </table>	into the list			6. System displays the list
into the list					
	6. System displays the list				
Extensions	<p>A. If the client has previously created an attendee list for the event:</p> <ul style="list-style-type: none"> <li>i. the system will not give the “create attendee list” option</li> <li>ii. the system will display the previously created list with the option to edit, alter or delete that list</li> </ul>				

Use Case 14					
Use Case Name	Document Event Details				
Scope	Event Planning and Management System				
Level	User Goal				
Primary Actor	Client, Event Planner				
Stakeholders and Interests	<p><b>C. Client:</b> Actor wants to document all of the details and requirements of their event.</p> <p><b>D. Event Planner:</b> Actor wants to save the details and display them.</p>				
Preconditions	The Client has hired the Event Planning and Management System for an event they are hosting				
Postconditions	<p>4. The Client has an event planner working to provide his services.</p> <p>5. The Event Planner is hired by the Client.</p> <p>6. The Client and Event planner has now access to converse with each other for further collaboration.</p>				
Main Success Scenario	<table border="1"> <thead> <tr> <th>Actor Action</th><th>System Response</th></tr> </thead> <tbody> <tr> <td>1. Client searches up the event planner they have</td><td></td></tr> </tbody> </table>	Actor Action	System Response	1. Client searches up the event planner they have	
Actor Action	System Response				
1. Client searches up the event planner they have					

		hired.	
		2. System shows requested event planners.	
	3. Client requests the system to display the requirements list		
		4. System displays the requirements list of the event	
	5. Client can change or enter the details regarding the event such as time, date, venue etc.		
		6. System saves the details and displays the saved changes as well	
Extensions	A. If the client is not registered:	i. The client opens the hiring event planner page. ii. The system shows a message that this activity cannot be performed if you are not registered. iii. The system shows a button to go to the signup page.	

## Wireframes Screenshots

### 1. Use Case 1 (Hire Event Planner)

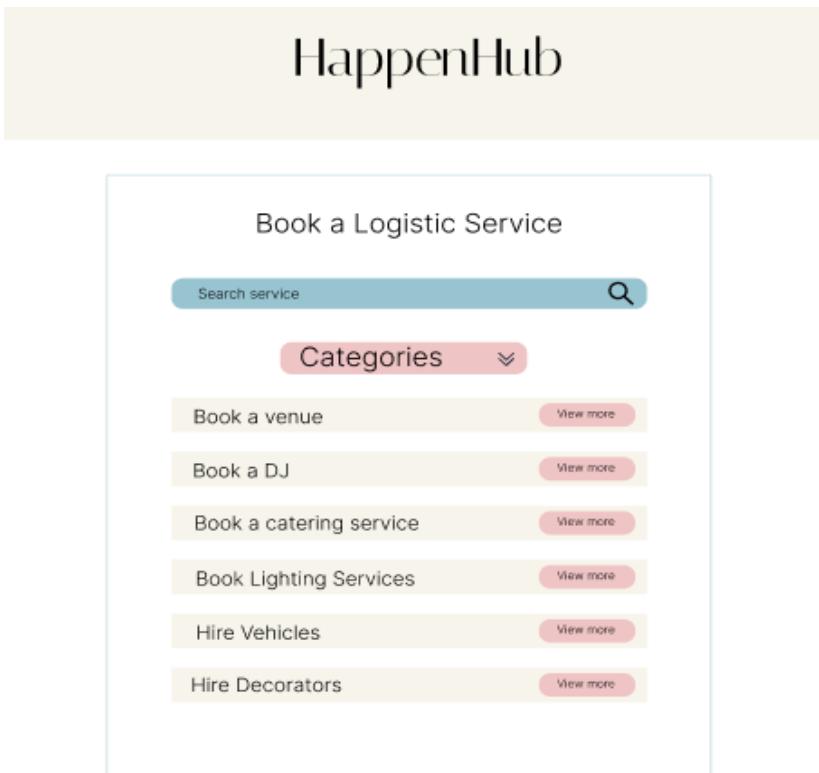
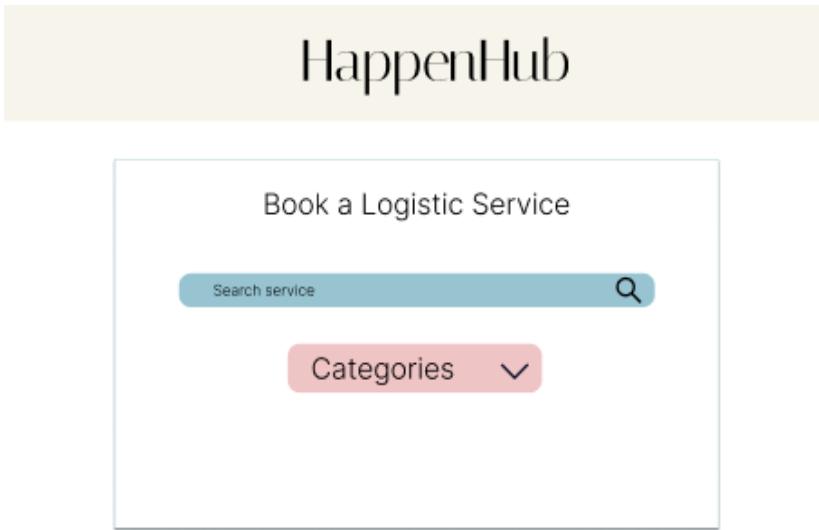


The screenshot shows a mobile application interface for "HappenHub". At the top, there is a navigation bar with a back arrow icon and the text "Back". The main header reads "HappenHub" and "Hire an Event Planner". On the right side of the header is a "Log Out" button. Below the header, the title "Event Planner 1" is displayed. The central content area contains a white rectangular card with the following information:

Name:	John Doe
Event Planner Since:	27/12/2023
Expertise In:	Conference Meeting
Events Managed:	100 people
Contact Number:	+92345 7826 789
Contact Email:	john.doe@gmail.com
Experience:	<p> Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>

*Figure 3*

## 2. Use Case 2 (Book A Logistic Service)



HappenHub  
Venue Logistics

Log Out



#### Description

Back  
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.



Royal Conference Hall  
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.



Wedding Hall  
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#### Highland Orientals

[Open details](#)



Wedding Hall  
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#### Highland Orientals

[Open details](#)



Wedding Hall  
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

#### Vanishing Point

[Open details](#)

#### Aesthetics Class

[Open details](#)

HappenHub  
Venue Logistics

Log Out

←

#### Highland Orientals

Lore Ipsum

Description

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#### Venue Options



Royal Conference Hall  
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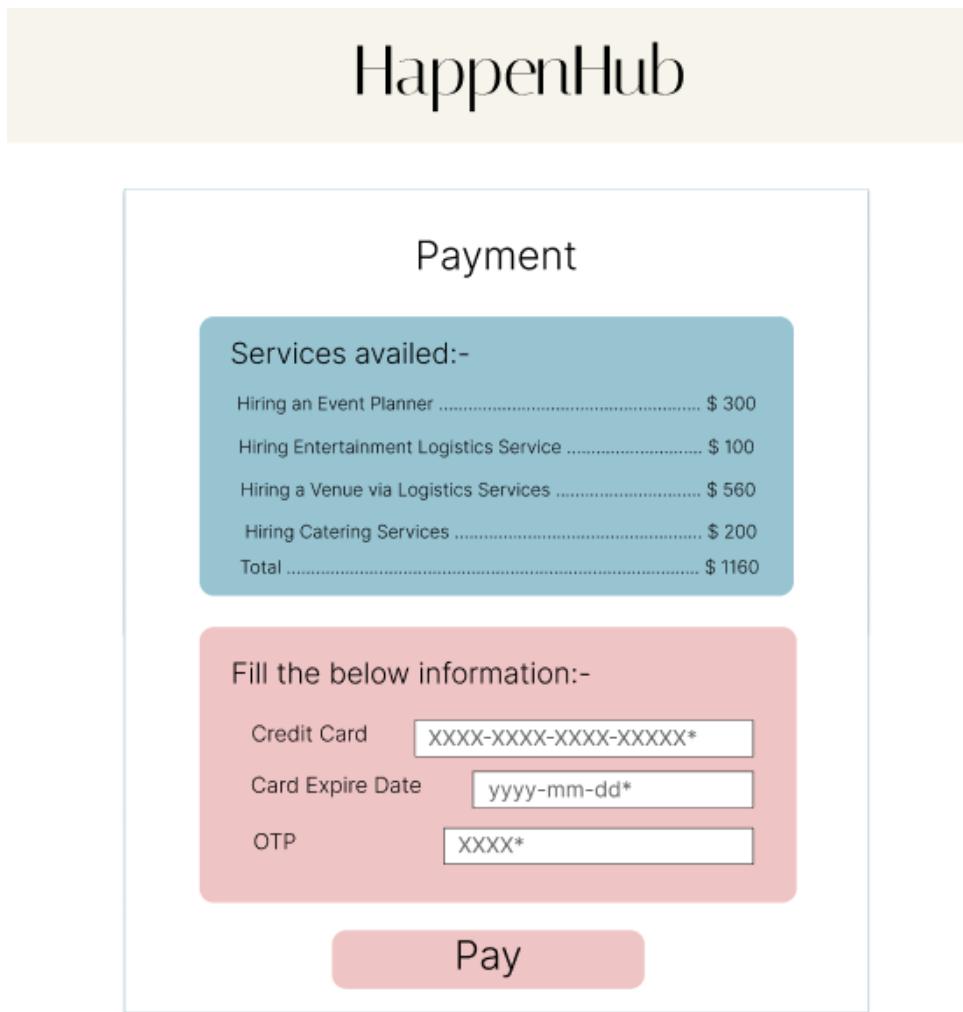


Wedding Hall  
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

#### Portfolio

[Book Venue](#)

### 3. Use Case 3 (Payment of Services)



The image shows a digital payment interface for HappenHub. At the top, the HappenHub logo is displayed. Below it, the word "Payment" is centered. A blue box contains a summary of services availed, and a pink box contains fields for entering payment information. A large pink button at the bottom is labeled "Pay".

**HappenHub**

**Payment**

**Services availed:-**

Hiring an Event Planner .....	\$ 300
Hiring Entertainment Logistics Service .....	\$ 100
Hiring a Venue via Logistics Services .....	\$ 560
Hiring Catering Services .....	\$ 200
Total .....	\$ 1160

**Fill the below information:-**

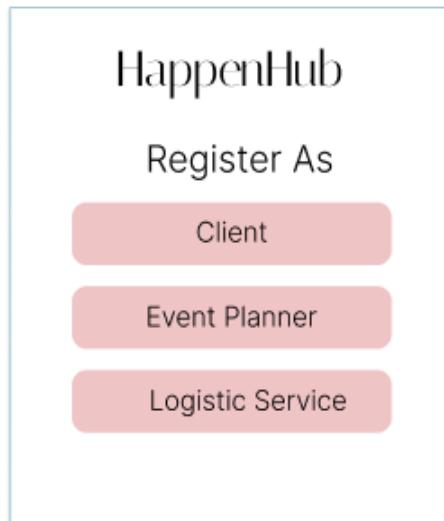
Credit Card

Card Expire Date

OTP

**Pay**

#### 4. Use Case 4 (Register as Logistic Service)



The image shows a sign-up form for the "Logistic Team" on HappenHub. It has fields for "Username", "Password", and "Confirm Password", each with an associated input box. Below the fields is a "Sign Up" button.

Username:	<input type="text"/>
Password:	<input type="password"/>
Confirm Password:	<input type="password"/>

Sign Up

The image shows a confirmation step in the registration process. It asks for the company name and URL, both of which have been filled in. It also asks for the service type, which is set to "Venue Logistics". A "Confirm" button is at the bottom.

Company Name	<input type="text" value="Highland Orientals"/>
URL	<input type="text" value="www.highlandorientals.com"/>
Select Service Type:	<input style="width: 100px; border: none; border-bottom: 1px solid black; padding: 0 5px;" type="text" value="Venue Logistics"/>

Confirm

**HappenHub**  
Venue Logistics

Log Out

## Highland Orientals

Lorem Ipsum

Edit Title

### Description

Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Edit Description

### Venue Options



Royal Conference Hall  
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Remove



Enter Text Here  
Enter Description Here

Remove

+ Add new Venue

### Portfolio



+ Add Image

Save as Draft

Save and Deploy

**HappenHub**  
Venue Logistics

Log Out

## Highland Orientals

Lorem Ipsum

### Description

Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.



Royal Conference Hall  
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.



Wedding Hall  
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

### Venue Options



### Portfolio



Return to Edit Mode

## 5. Use Case 5 (Handle Client Request)

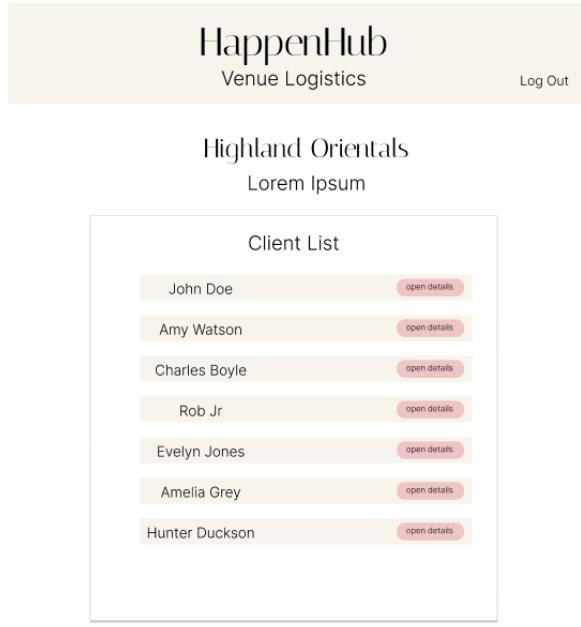
The screenshot shows the HappenHub Venue Logistics interface. At the top, there is a header bar with the HappenHub logo and "Venue Logistics" text, along with a "Log Out" button. Below the header, the page title is "Highland Orientals" followed by placeholder text "Lorem Ipsum". A main content area is titled "Request List" and contains a list of names: John Doe, Amy Watson, Charles Boyle, Rob Jr, Evelyn Jones, Amelia Grey, and Hunter Duckson. Each name is accompanied by a small "open details" button.

The screenshot shows the HappenHub Venue Logistics interface. At the top, there is a header bar with the HappenHub logo and "Venue Logistics" text, along with a "Log Out" button. Below the header, the page title is "Client Request". The main content area displays detailed information about a client request, including:

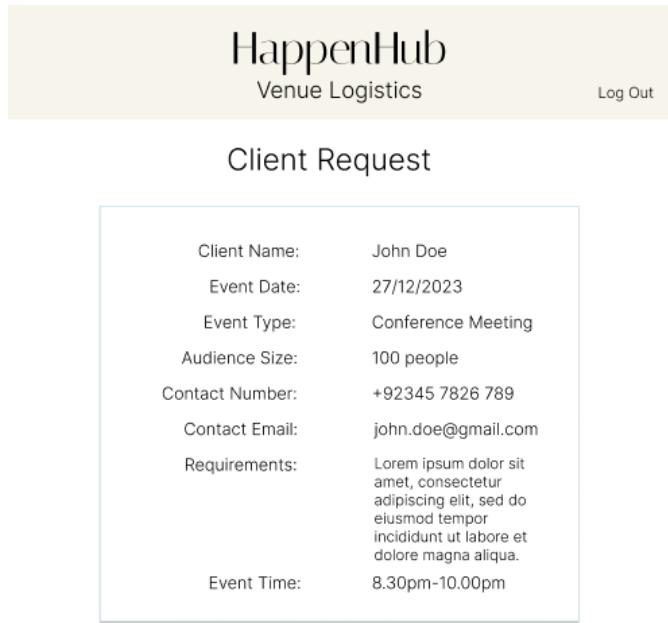
Client Name:	John Doe
Event Date:	27/12/2023
Event Type:	Conference Meeting
Audience Size:	100 people
Contact Number:	+92345 7826 789
Contact Email:	john.doe@gmail.com
Requirements:	Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

At the bottom of the screen, there are two buttons: "Reject Request" (red background) and "Accept Request" (green background).

## 6. Use Case 6 (Schedule Bookings)



The screenshot shows the HappenHub Venue Logistics interface. At the top, the HappenHub logo and "Venue Logistics" are displayed, along with a "Log Out" button. Below the header, the text "Highland Orientals" and "Lorem Ipsum" is visible. A central box titled "Client List" contains a list of names: John Doe, Amy Watson, Charles Boyle, Rob Jr, Evelyn Jones, Amelia Grey, and Hunter Duckson, each with a "open details" button.



The screenshot shows the HappenHub Venue Logistics interface. At the top, the HappenHub logo and "Venue Logistics" are displayed, along with a "Log Out" button. Below the header, the text "Client Request" is visible. A central box displays event details: Client Name: John Doe, Event Date: 27/12/2023, Event Type: Conference Meeting, Audience Size: 100 people, Contact Number: +92345 7826 789, Contact Email: john.doe@gmail.com, Requirements: (Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.), and Event Time: 8.30pm-10.00pm. At the bottom right of this box is a green "Add to Scheduler" button.



## Scheduler

1 DAY	1 WEEK
1 MONTH	1 YEAR

< December 2023 >  

S	M	T	W	T	F	S
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

SUN	MON	TUE	WED	THU	FRI	SAT
27th Dec	28th Dec	29th Dec	29th Dec	1st Jan	2nd Jan	3rd Jan
Amy Watson 8.30am-11.00am						June Watson 9.30am-11.00am
John Doe 8.30pm-11.00pm						



## Scheduler

### Event Detail

Client Name:	John Doe
Event Date:	27/12/2023
Event Type:	Conference Meeting
Audience Size:	100 people
Contact Number:	+92345 7826 789
Contact Email:	john.doe@gmail.com
Requirements:	<p>Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>

### Requirement List

1. Lorem Ipsum
2. Lorem Ipsum
3. Lorem Ipsum

[Edit List](#)

[Update Scheduler](#)

[Remove Event](#)

## 7. Use Case 7 (Register as Event Planner)

The image shows a user interface for registering as an event planner on HappenHub. At the top, the HappenHub logo is displayed in a light beige header bar. Below the header, a white rectangular form is centered, containing the title "Join as Event Planner". The form includes four input fields: "Official name:" with a white input box, "Password:" with a white input box, "Confirm Password:" with a white input box, and "link to official website: (optional)" with a grey input box. A large red "Sign Up" button is positioned at the bottom right of the form.

HappenHub

Join as Event Planner

Official name:

Password:

Confirm Password:

link to official website: (optional)

Sign Up

## 8. Use Case 8 (Handle Client Request)

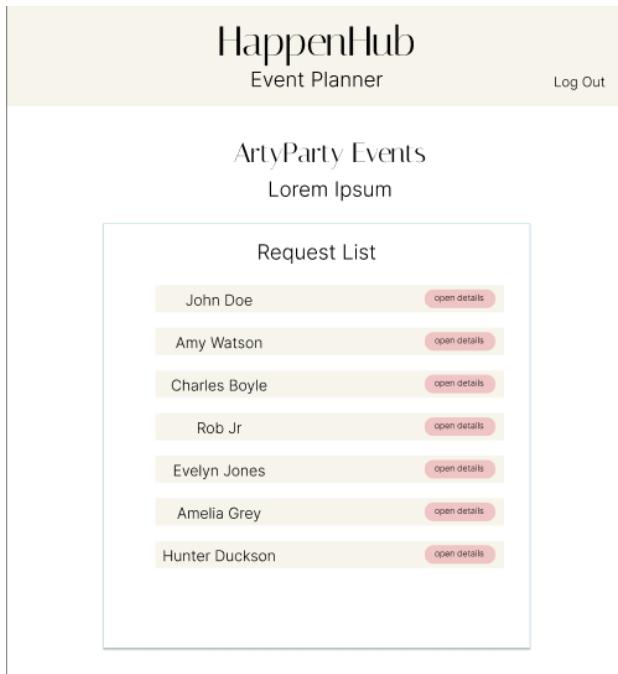
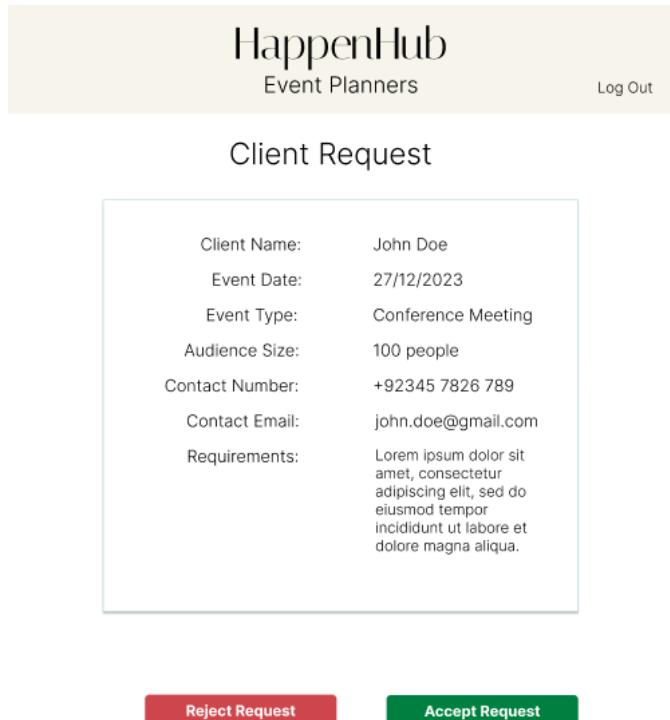


Figure 1



## 9. Use Case 9 (Review Event Planner)

### HappenHub

Event Planners

Log Out

← Back

#### AstyParty Events

Lorem Ipsum

Description

Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Services Options



Arrange Official Meeting  
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.



Arrange Weddings  
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

### HappenHub

#### Feedback

What did you think of ArtyParty?

★★★★★

share your thoughts:

submit

### Portfolio

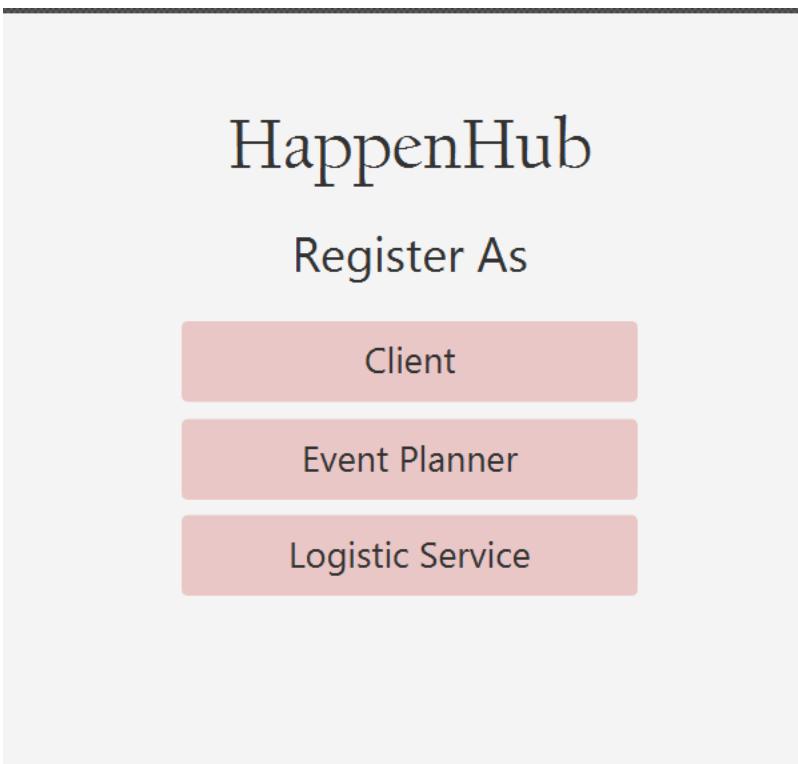
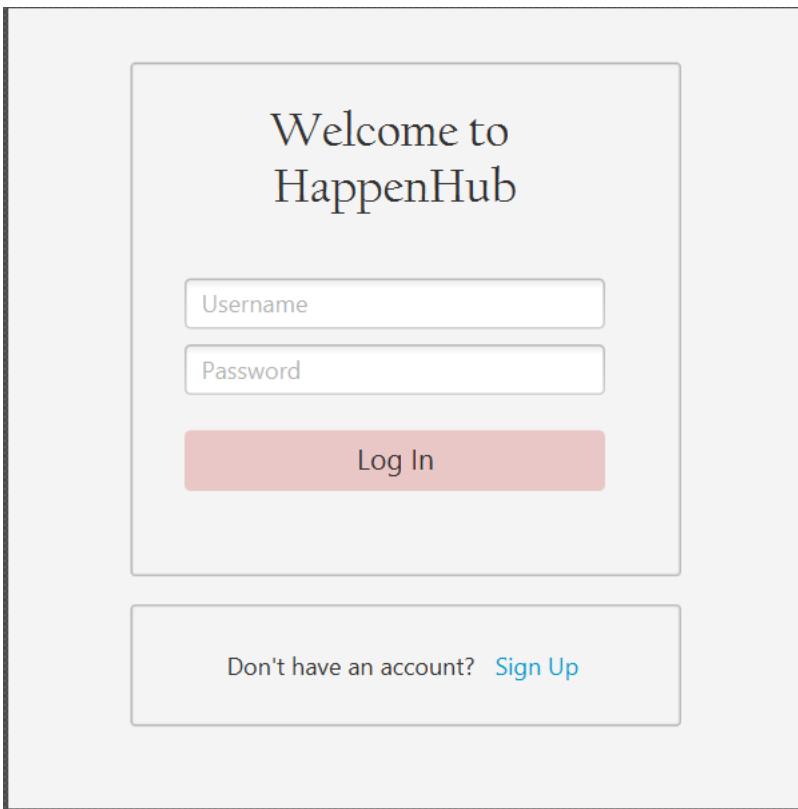


SEND MESSAGE

LEAVE A REVIEW

Figure 2

## JavaFx Screens



# HappenHub

## Sign Up

\*Full Name

\*Email

\*PhoneNo

\*Username

\*Password

\*Confirm Password

Create New Account

# HappenHub

Join the Event Planning Team

## Account SetUp

\*Username

\*Password

\*Confirm Password

\*Full Name

\*Email Address

\*Phone Number

\*Event Planner Since (yy-mm-dd)

\*Expertise

\*Experience

Start Event Planning

# HappenHub

Join The Logistic Team

\*Company Name

\*Website URL

\*Company Email

\*Service Type

\*Username

\*Password

\*Confirm Password

Complete Sign Up

# HappenHub

[Profile Page](#)

[Log Out](#)

To-Do List/Dates

Events

Create Event

\*Enter ID of Event

Open Event

# HappenHub

Create Event

\*Event Title

\*Event Date

\*Event Time

\*Event Size

Create Event

# HappenHub: Event

[Return](#)[Make Attendee List](#)[Update To-Do List](#)[Create Budget](#)[Set Event Requirements](#)

## Event Details

 \*Title \*Date \*Time \*Event Size

### Logistic Services (hired)

### Event Planners (hired)

[Hire Logistics](#)[Remove](#)[See Bill](#)[Hire Event Planner](#)[Remove](#)[See Bill](#)

# HappenHub

## Profile Page

\*Full Name

\*Email \*PhoneNo

\*Username

\*Password

\*Confirm Password Before Confirming Changes

Confirm Changes      Return

# HappenHub

## Attendee List

\*Full Name

\*Email \*Phone Number

Add Attendee

Enter ID of Attendee you want to remove

Remove Selected

HappenHub

To-Do List

\*Enter Task Description

\*Enter date(yyyy-mm-dd)

\*Enter ID of Task You want to remove

HappenHub

[Profile Page](#)

[Log Out](#)

To-Do List/Dates

Client List

HappenHub  
Profile Page

\*Full Name

\*Email \*PhoneNo

\*Event Planner Since (dd-mm-yy)

\*Expertise

\*Experience

\*Username

\*Password

\*Confirm Password

[Confirm Changes](#) [Return](#)

HappenHub: Event

Return

Make Attendee List Update To-Do List Create Invoice Set Event Requirements

Event Details

\*Title \*Location \*Event Size

\*Date \*Time

Extra Event Details

Update

Logistic Services (hired)

Hire Logistics Remove Logistics See Logistics Bill

## HappenHub: Event

[Return](#)[Update To-Do List](#)[Create Budget](#)[Set Event Requirements](#)

### Event Details

 \*Title \*Location \*Date \*Time \*Event Size

### Extra Event Details

[Update](#)

## HappenHub: Event Request

[Return](#)

### Event Details

 \*Title \*Location \*Date \*Time \*Event Size

### Budget

### Event Requirements

 \*Budget for Service \*Requirements you need from Service

### Client Details

 \*Client Name \*Phone No. \*Email[Send Event Request](#)

# HappenHub

## Request List

[Open Request](#)[Remove Request](#)

### HappenHub: Event Request

[Return](#)

#### Event Details

 \*Title \*Date \*Time \*Event Size

#### Budget

 \*Budget for Service \*Requirements you need from Service

#### Event Requirements

#### Client Details

 \*Client Name \*Phone No. \*Email[Accept Request](#)[Reject Request](#)

HappenHub  
Profile Page

\*Company Name

\*Email \*Service Type

\*Website URL

\*Username

\*Password

\*Confirm Password

Confirm Changes

Update Services Page

Return

HappenHub  
[Company Name]

Company Description

[Short Company Description] Return

Services

\*Enter Service Name

\*Enter Service Description

\*Service Rate

Add To Services List

Save

HappenHub

Event Requirements

Return

\*Enter Task Description

Add

\*Input ID of requirement you want removed

Remove Reqs.

Happen Hub

Return

Hire an Event Planner/Logistic Service

Planner/Logistic Service List

Open details

## HappenHub Event Planner

\*Full Name

\*Email

\*PhoneNo

\*Event Planner Since (dd-mm-yy)

\*Expertise

\*Experience

Send Request

Return

## HappenHub Logistic Service

\*Comapny Name

\*Email

\*Website Link

\*Service Type

\*Company Description

Send Request

Return

HappenHub  
Logistic Service

\*Comapny Name

\*Email \*Website Link

\*Service Type

\*Company Description

Send Request      Return

HappenHub  
Budget

Return

\*Enter Budget Description

\*Add Price

\*Add index no you want to remove

Add Item      Remove Task

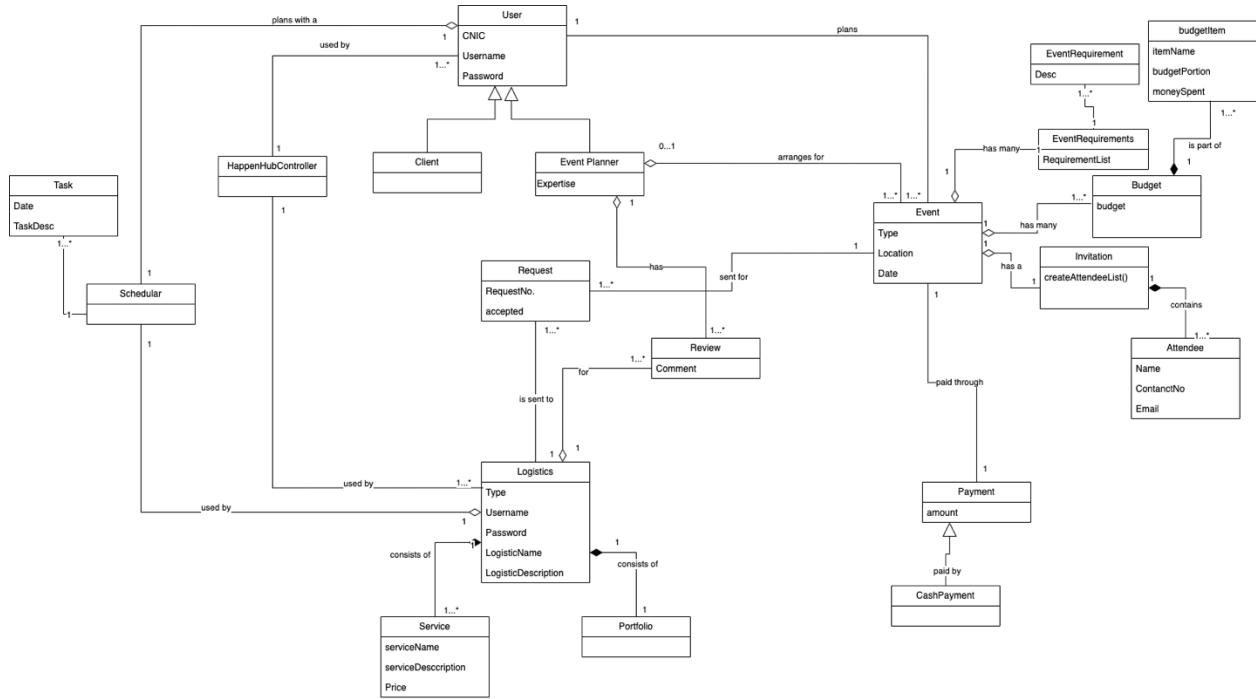
# HappenHub

## Event Invoice

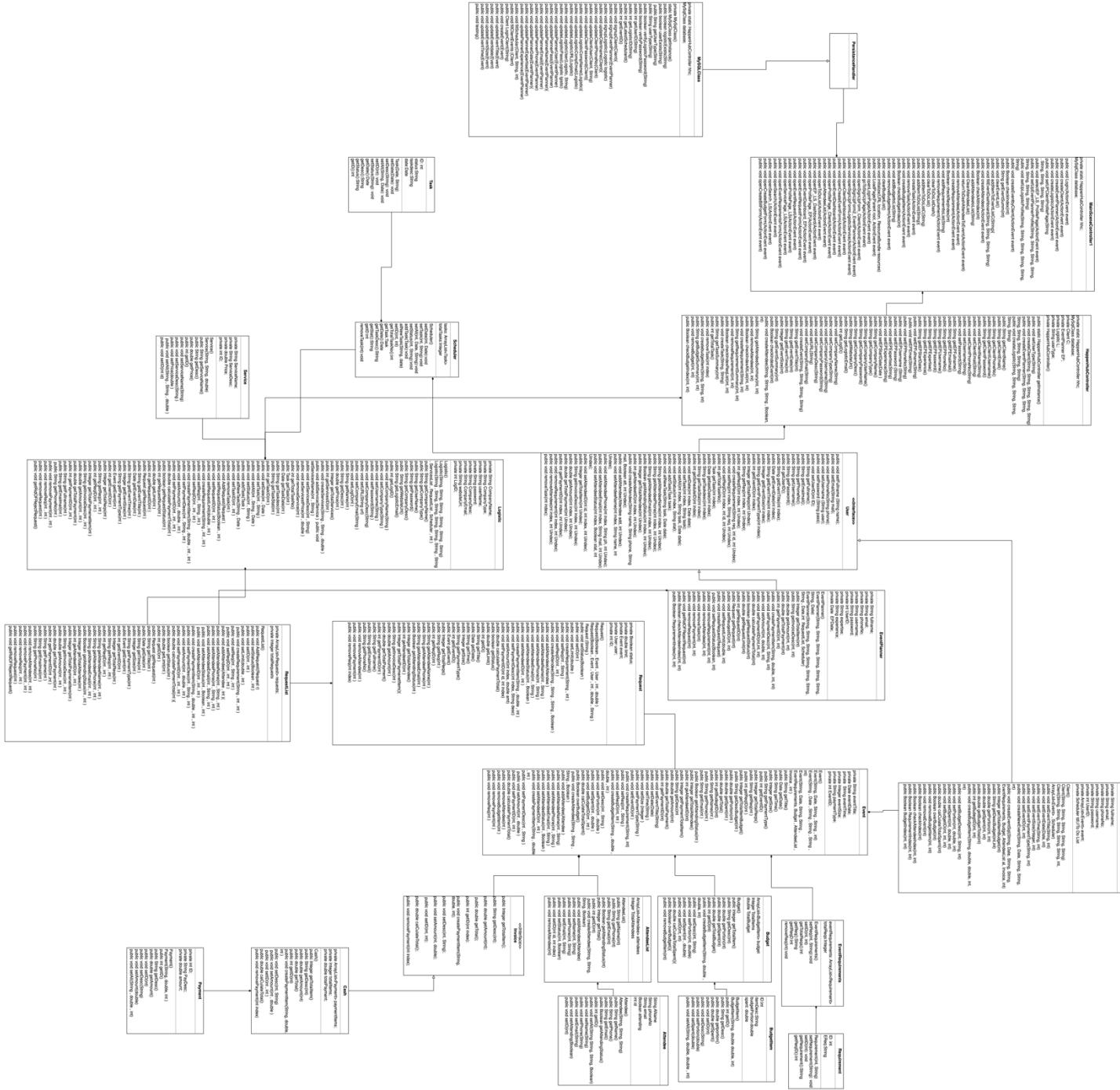
[Return](#) \*Enter Budget Description[Add Item](#) \*Add Price[Remove Task](#) \*Total

No.	Description	Money Spent
No content in table		

# Domain Model

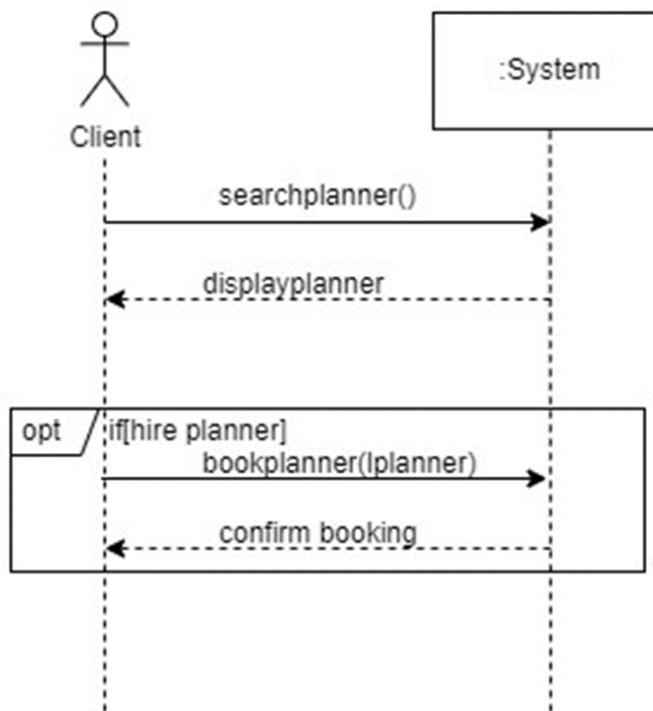


# Class Diagram

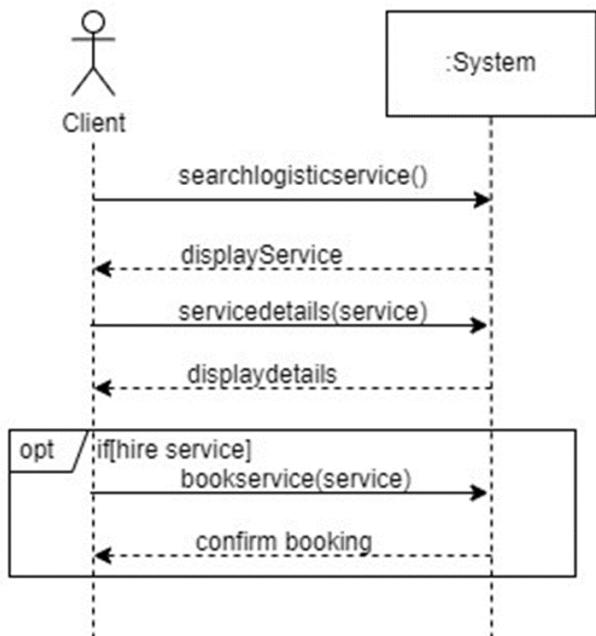


## System Sequence Diagrams

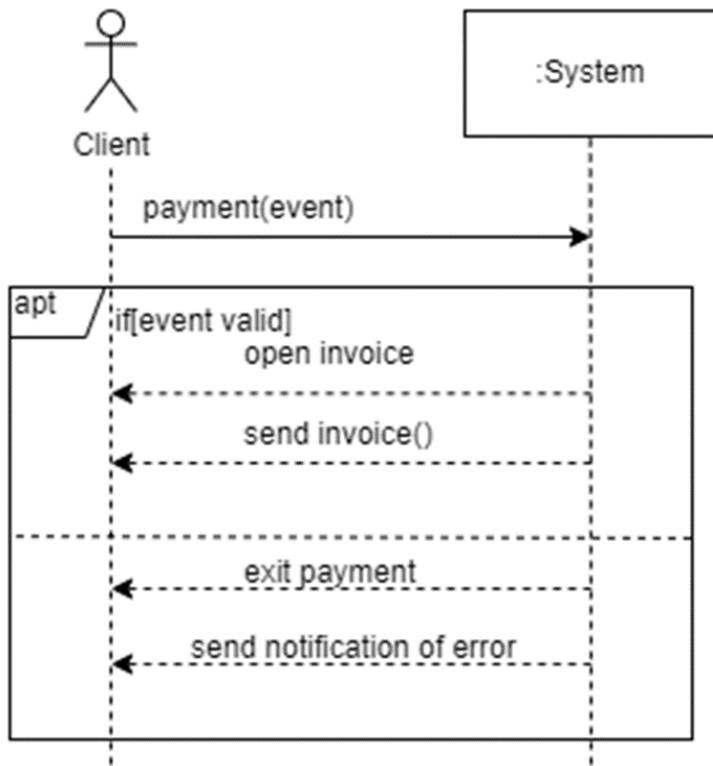
### 1. Use Case 1 (Hire an Event Planner)



### 2. Use Case 2 (Book Logistic Services)

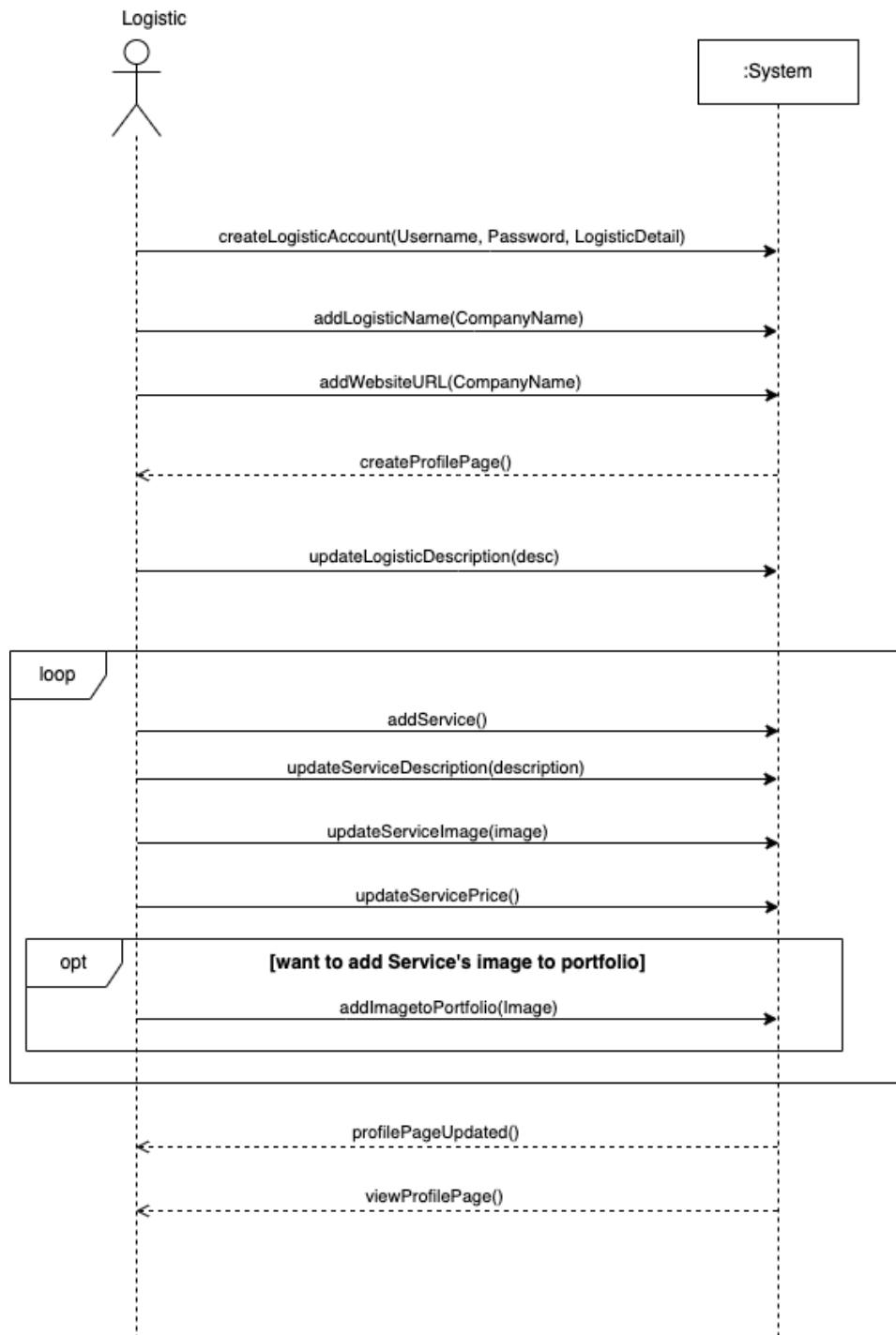


### 3. Use Case 3 (Receive invoice)

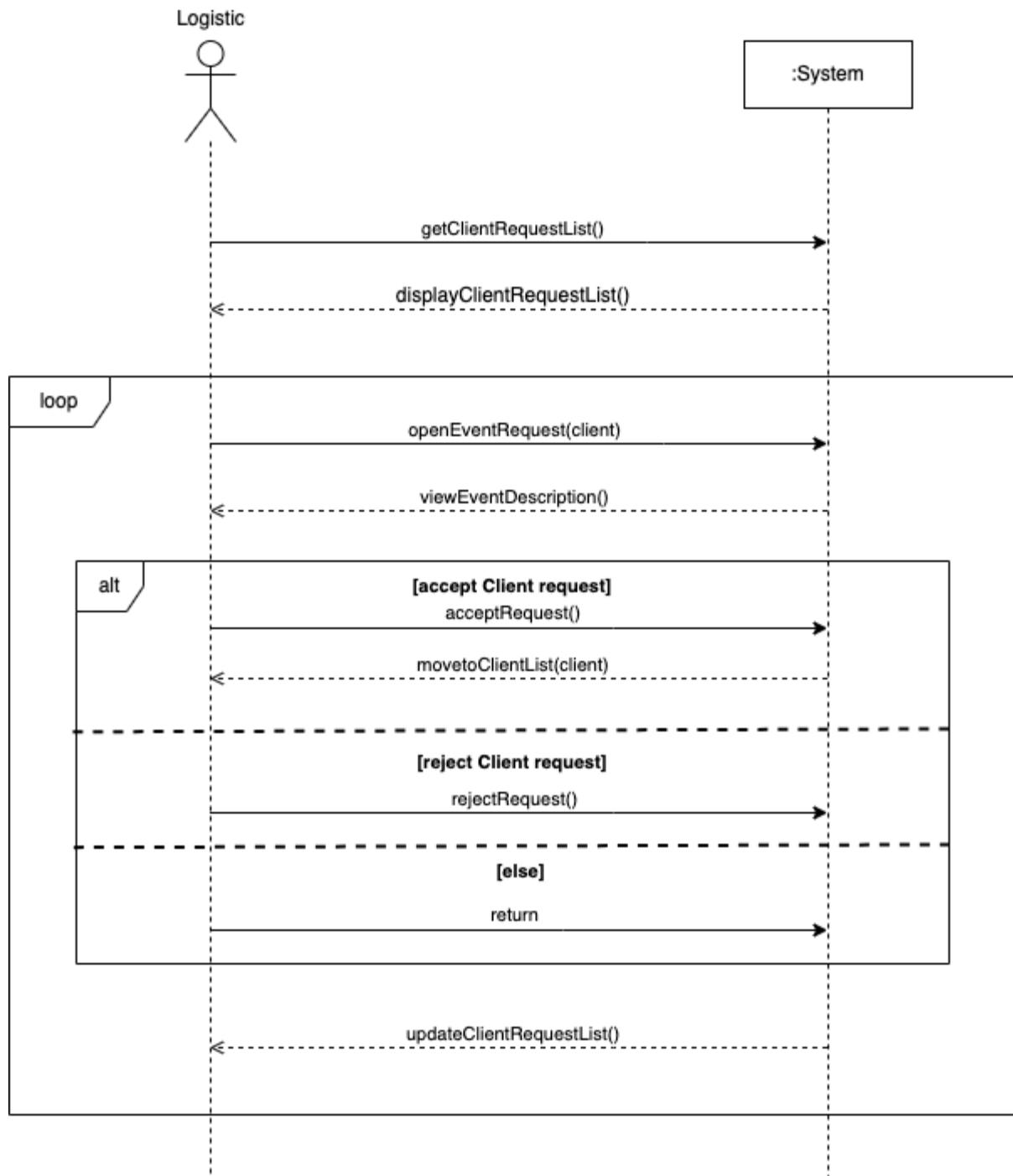


#### 4. Use Case 4 (Register as Logistic Service)

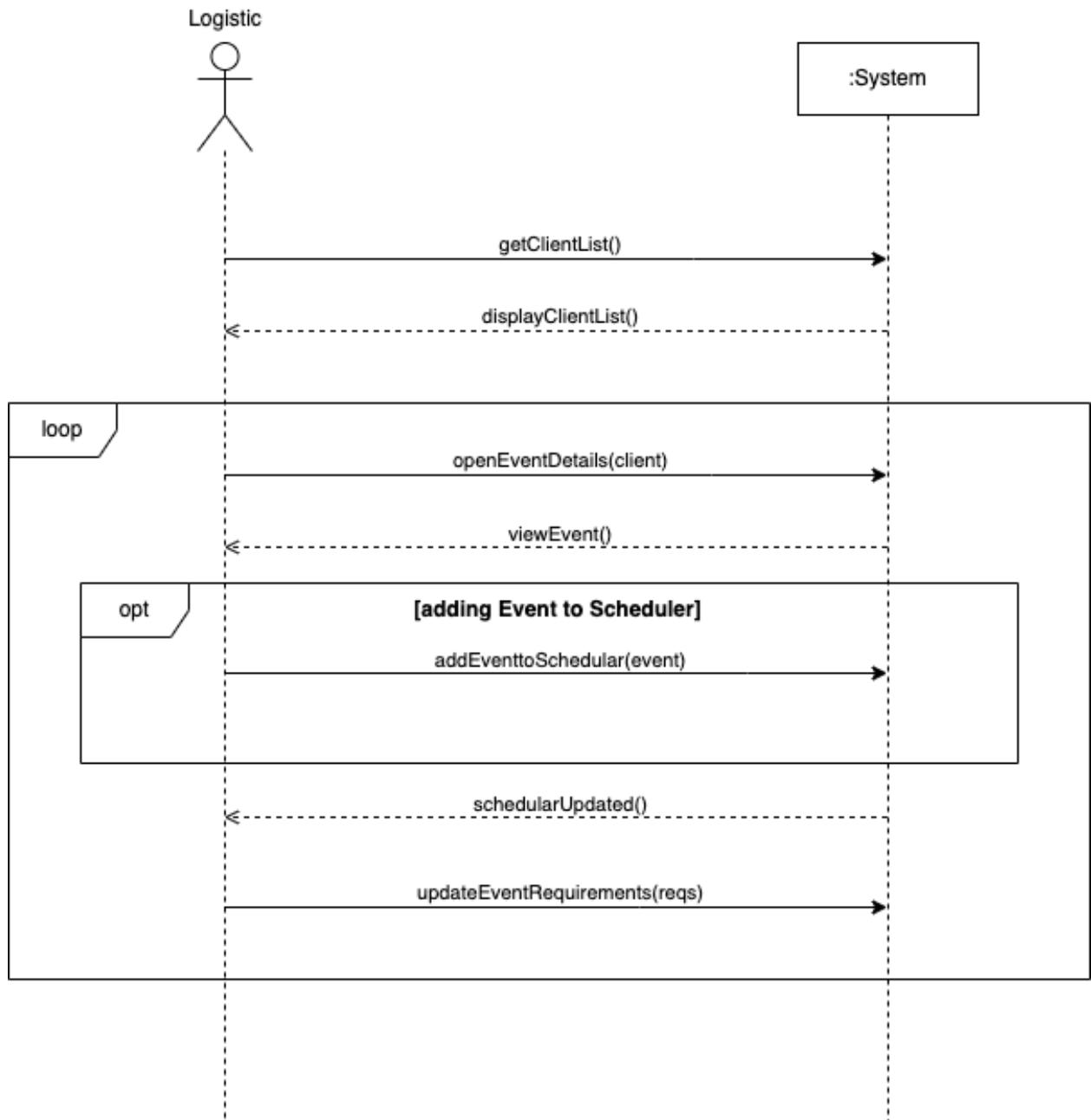
System Sequence Diagram:  
Register as Logistic Service



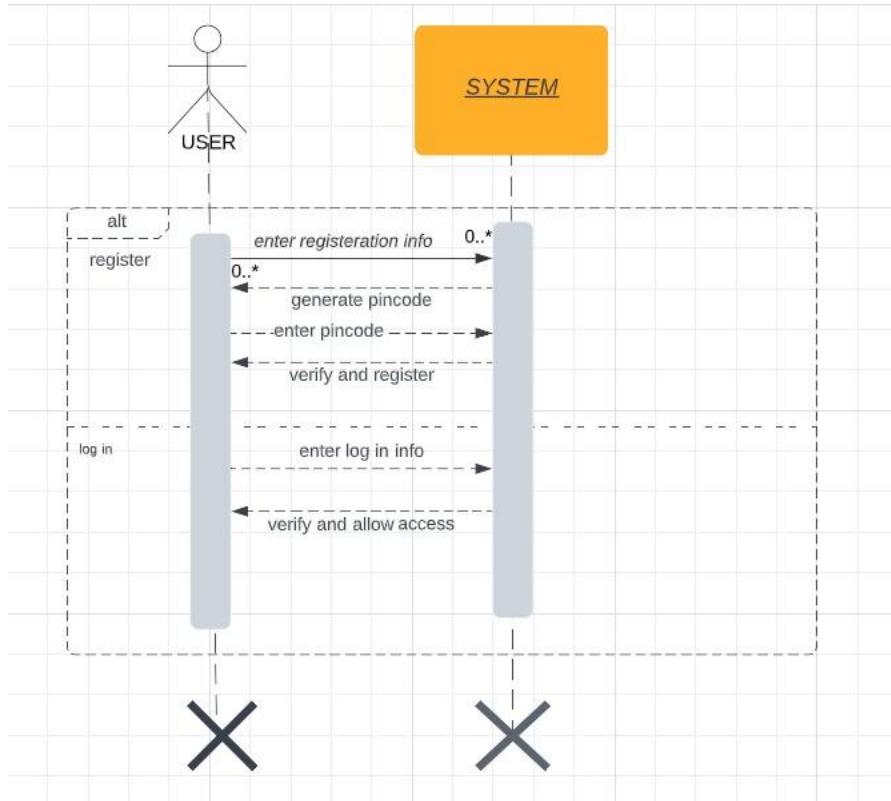
## 5. Use Case 5 (Handle Client Requests)



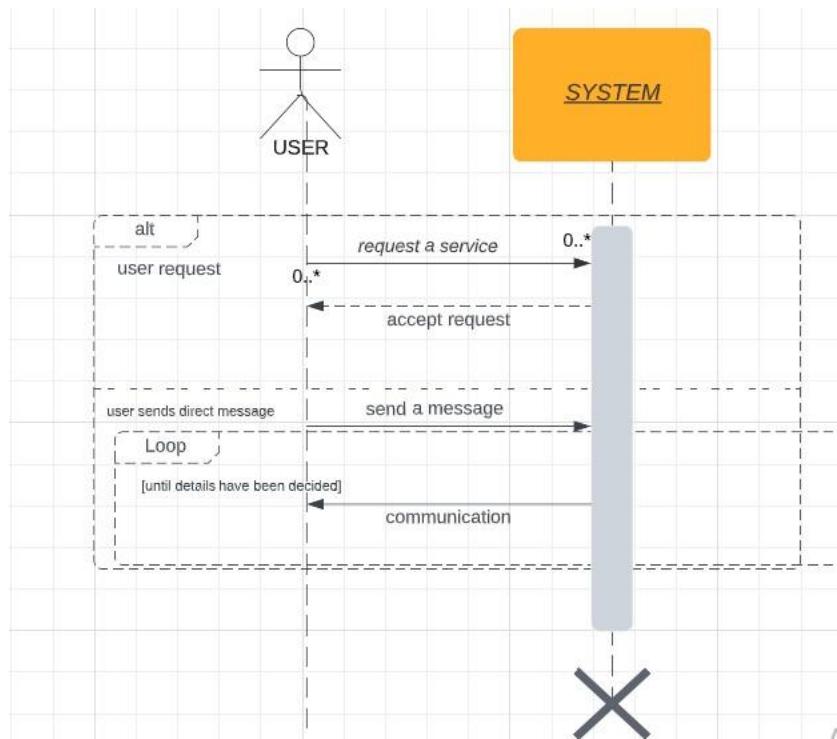
## 6. Use Case 6 (Schedule Bookings)



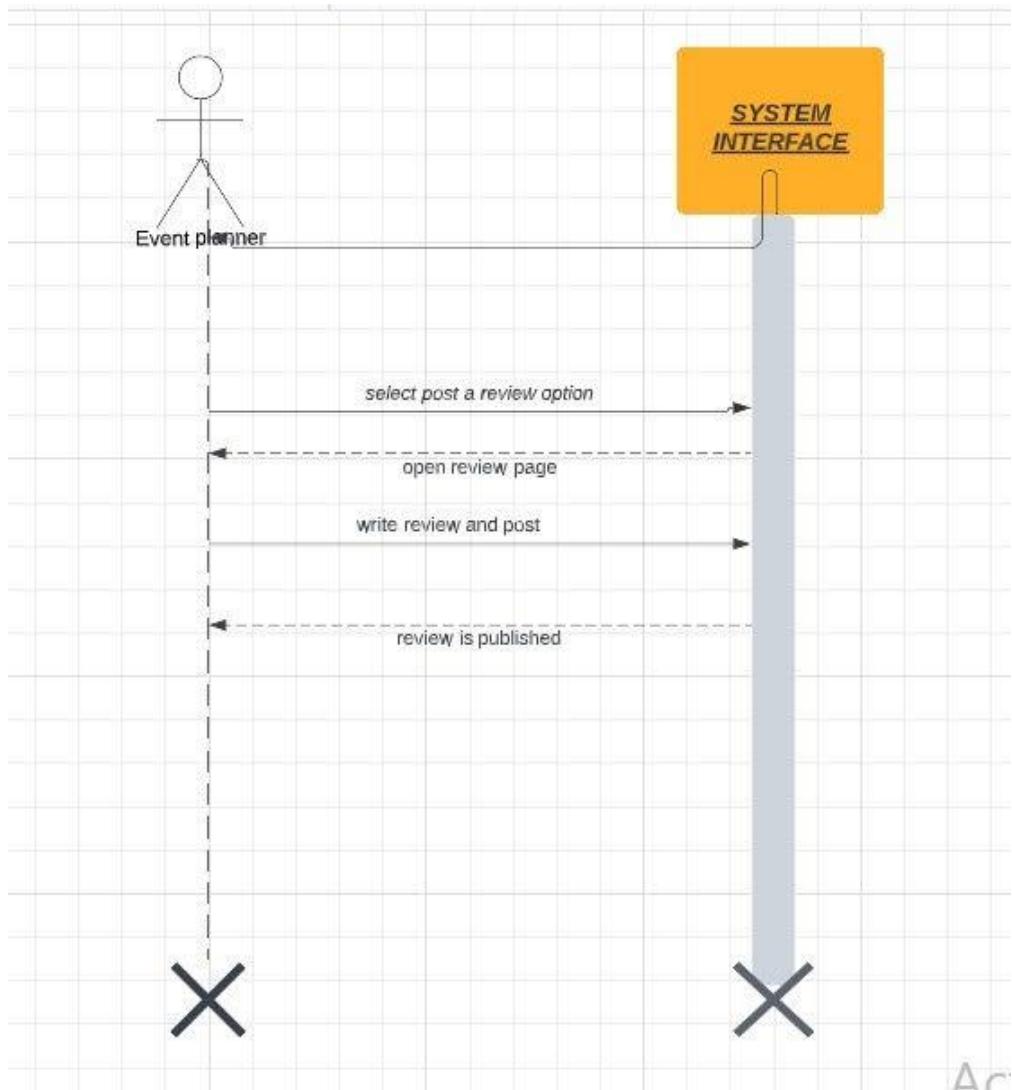
## 7. Use Case 7 (Register as Event Planner)



## 8. Use Case 8 (Creating Client Requests)

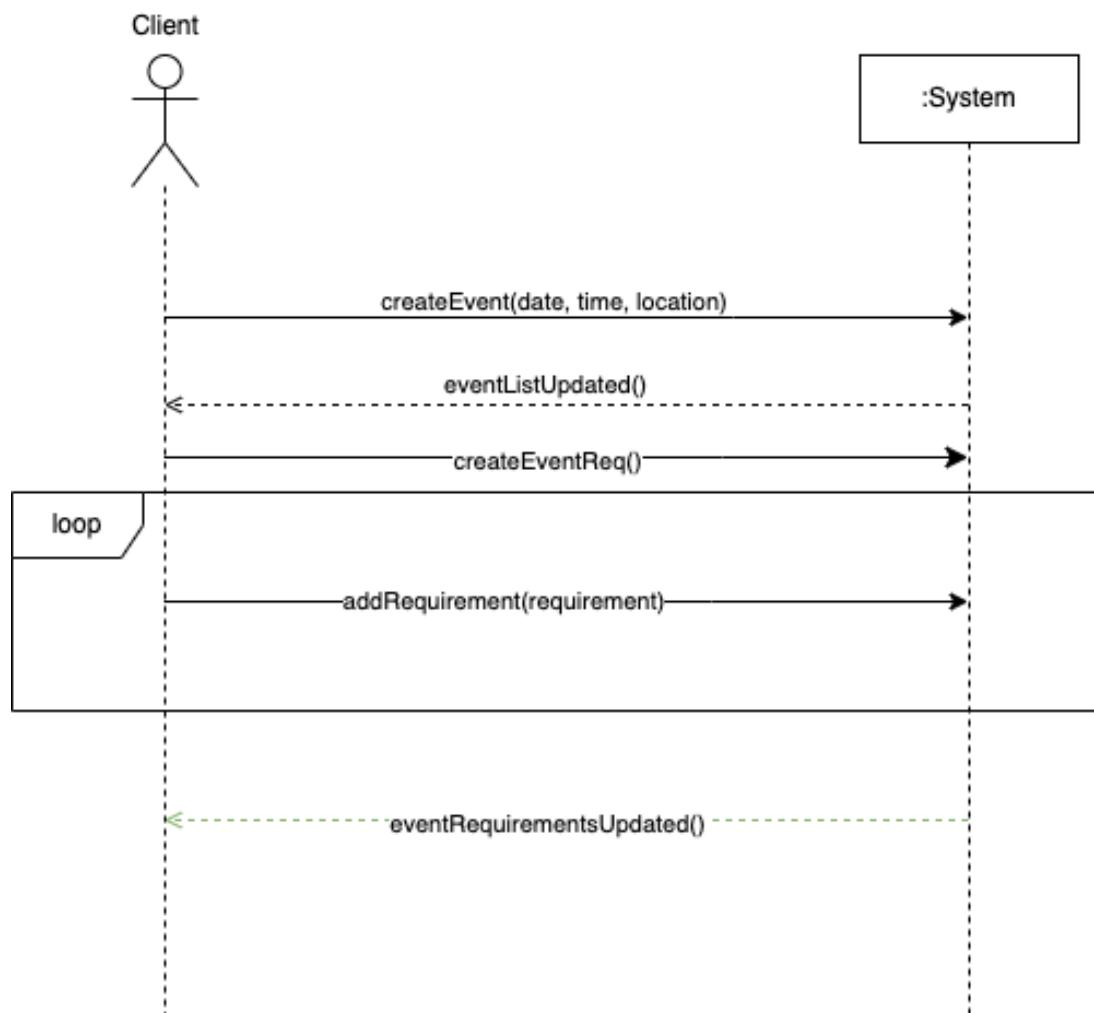


## 9. Use Case 9 (Review Event Planner)



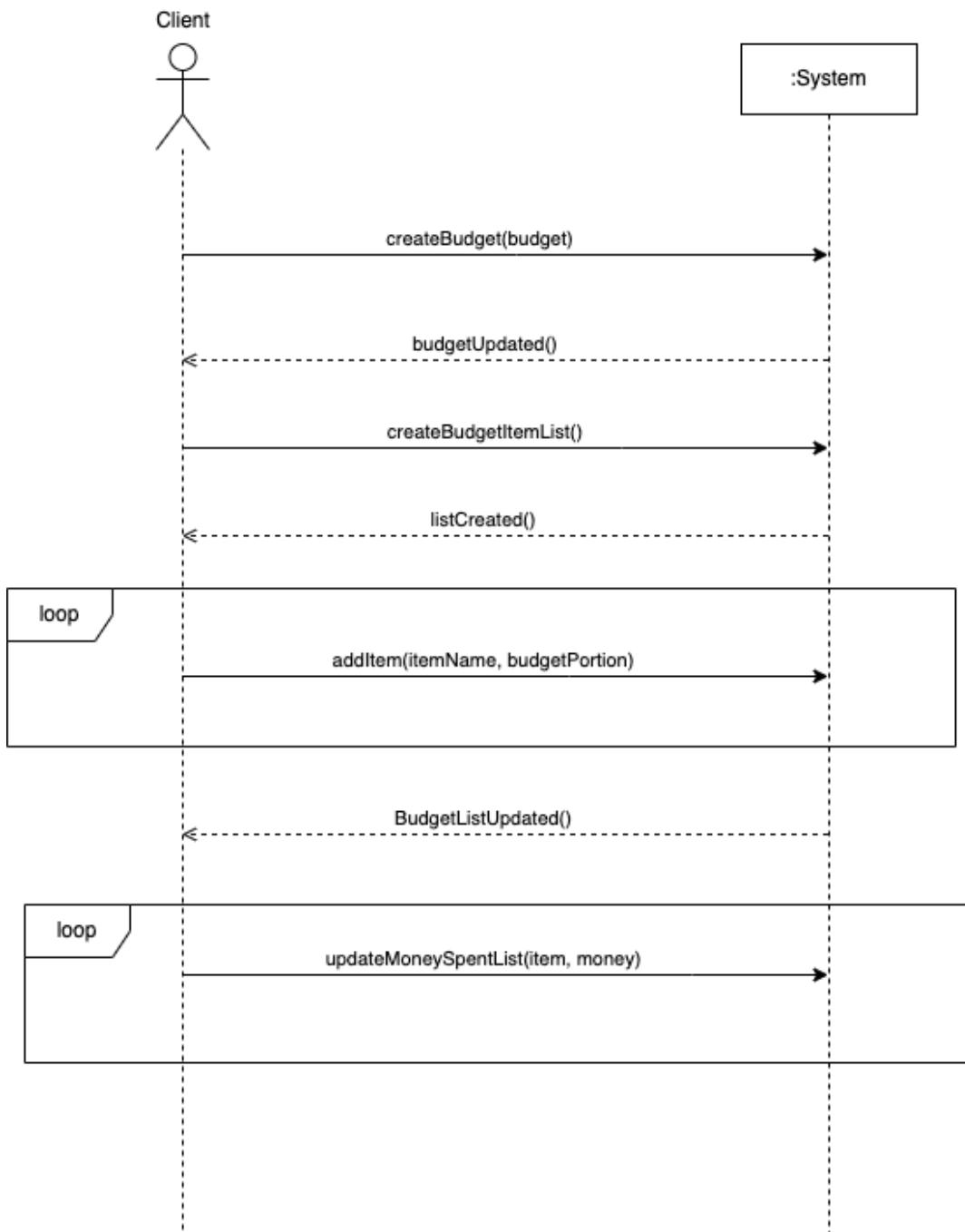
## 10. Use Case 10 (Create Event)

System Sequence Diagram:  
Create Event

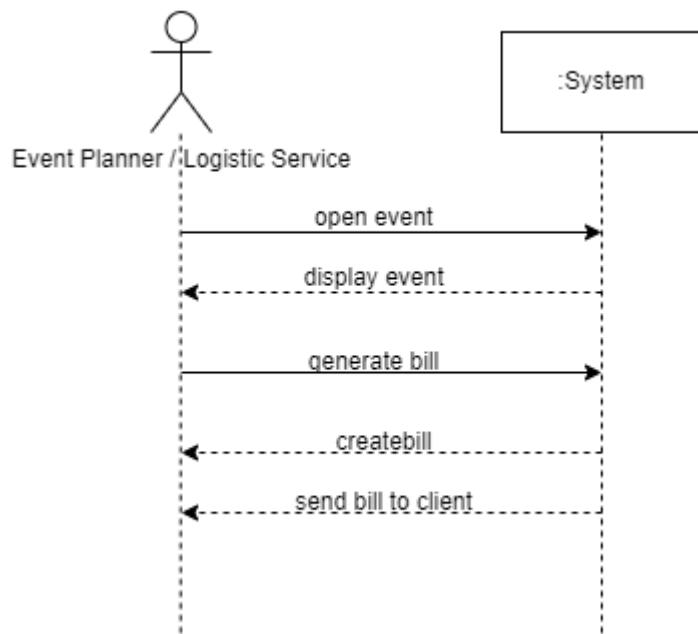


## 11. Use Case 11 (Budget Event)

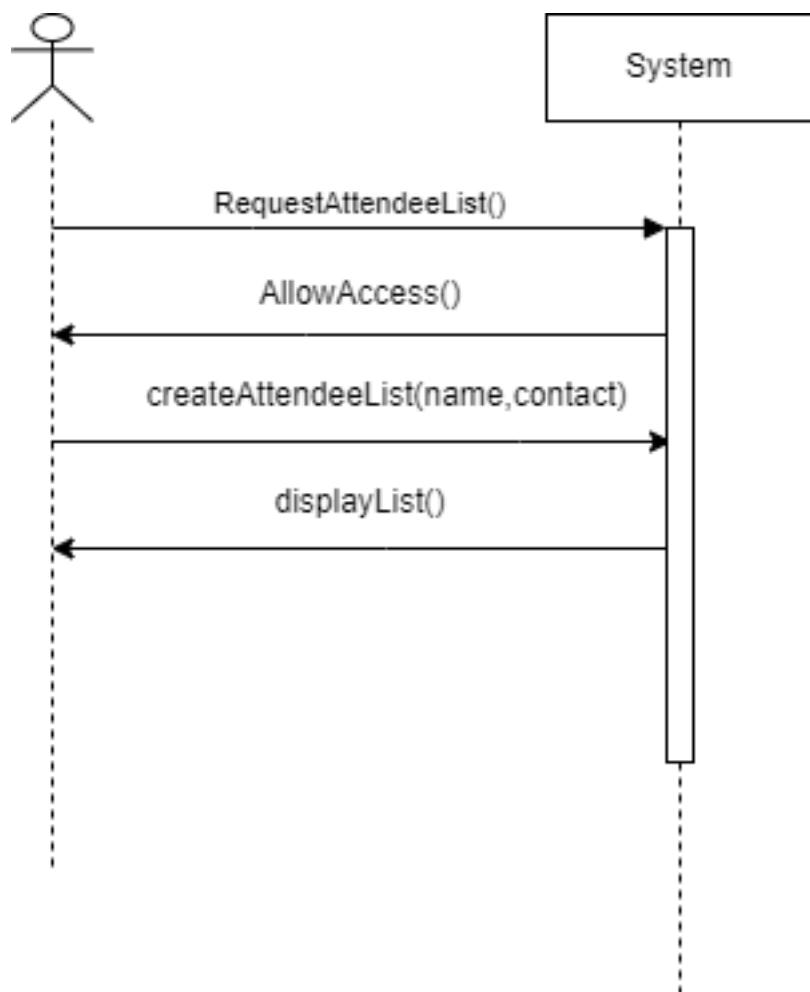
System Sequence Diagram:  
Budget Event



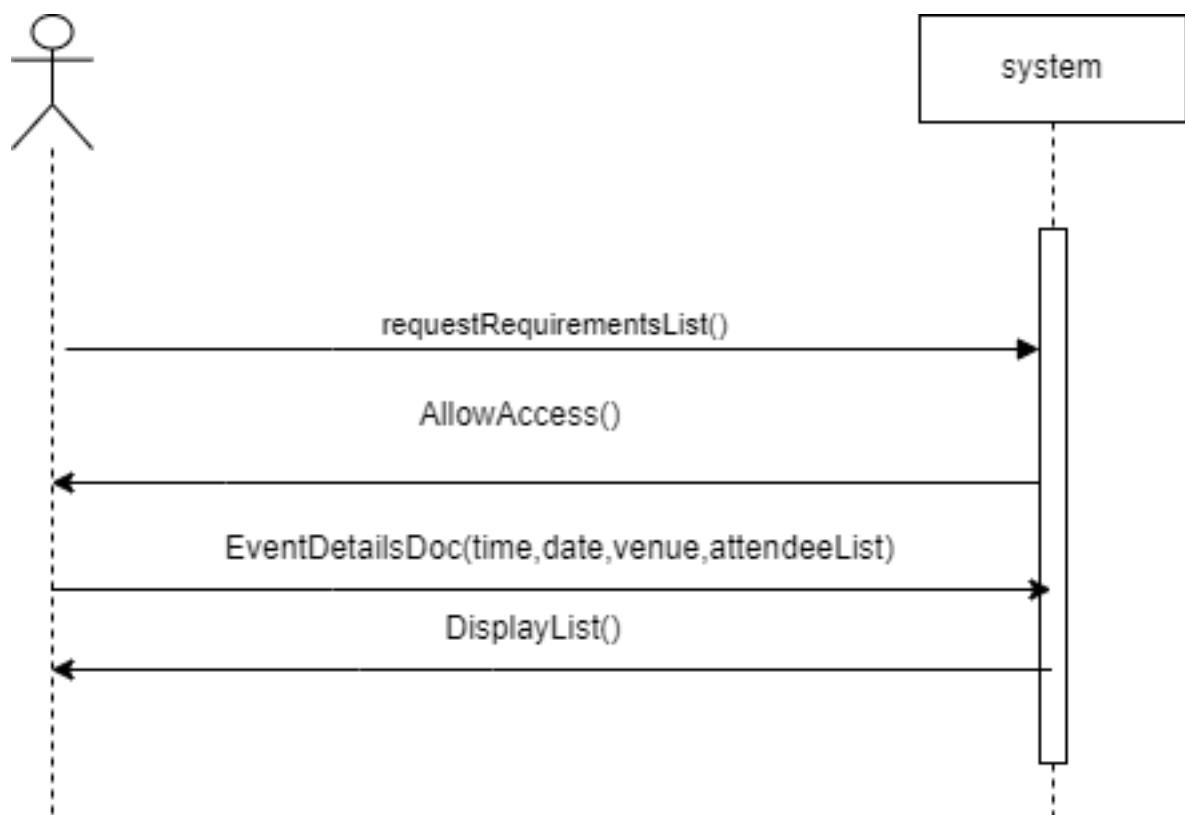
## **12. Use Case 12 (Generate Bill)**



### 13. Use Case 13 (Create Attendee List)

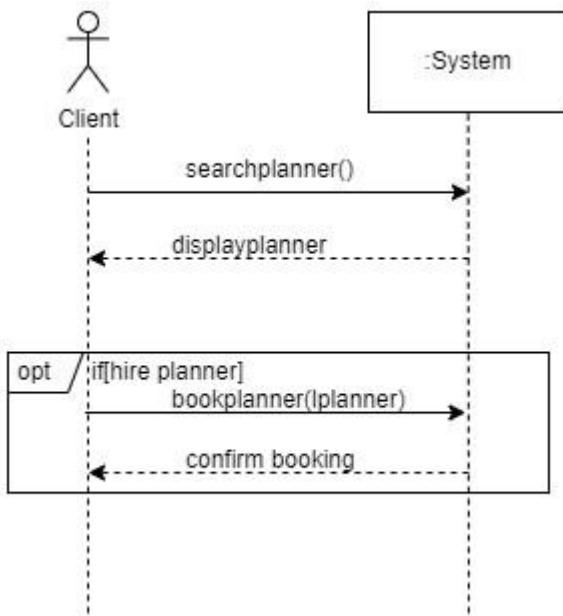


#### 14. Use Case 14 (Document Event Requirements)

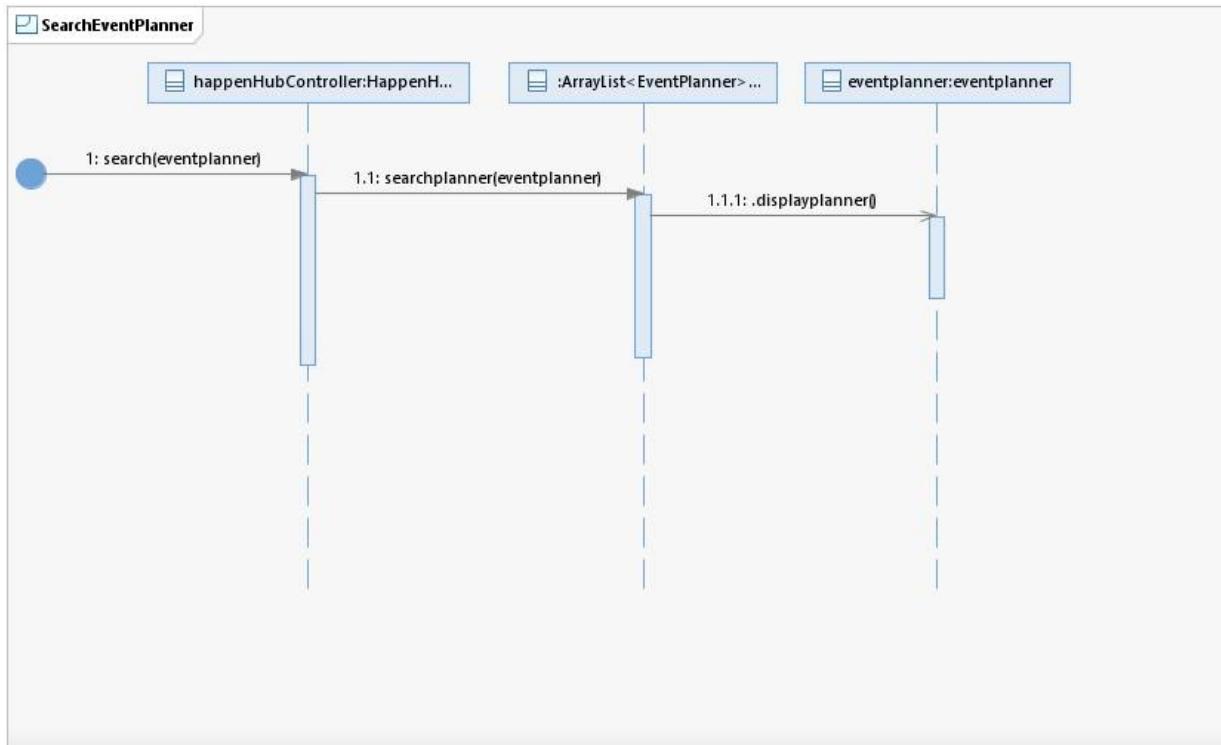


## Sequence Diagrams

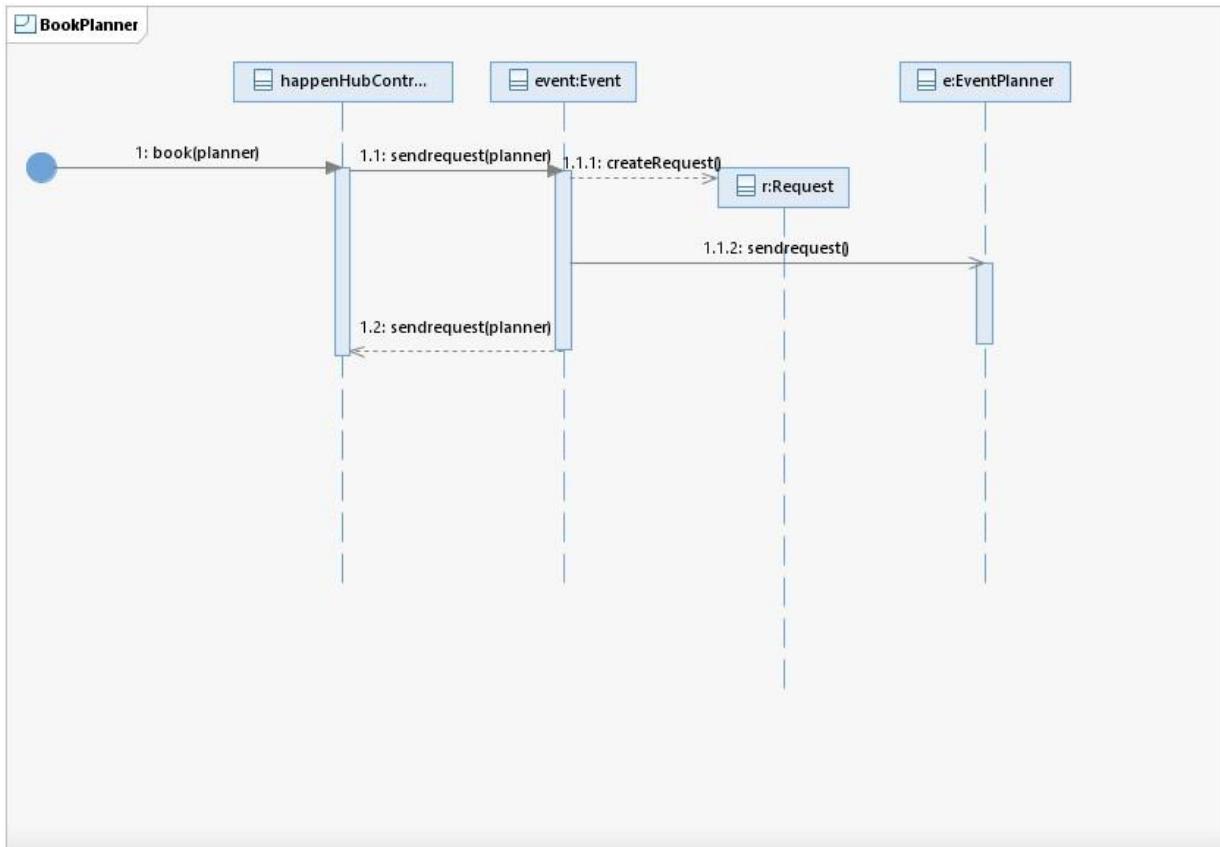
### System Sequence Diagram 1: Hire an Event Planner



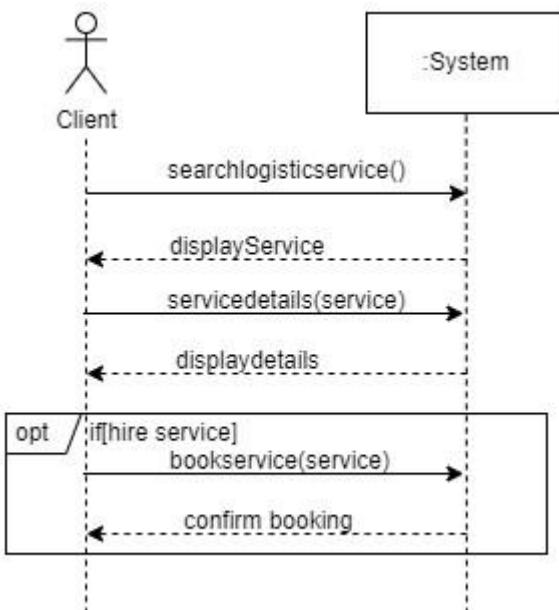
### Sequence Diagram 1.1: Search Planner



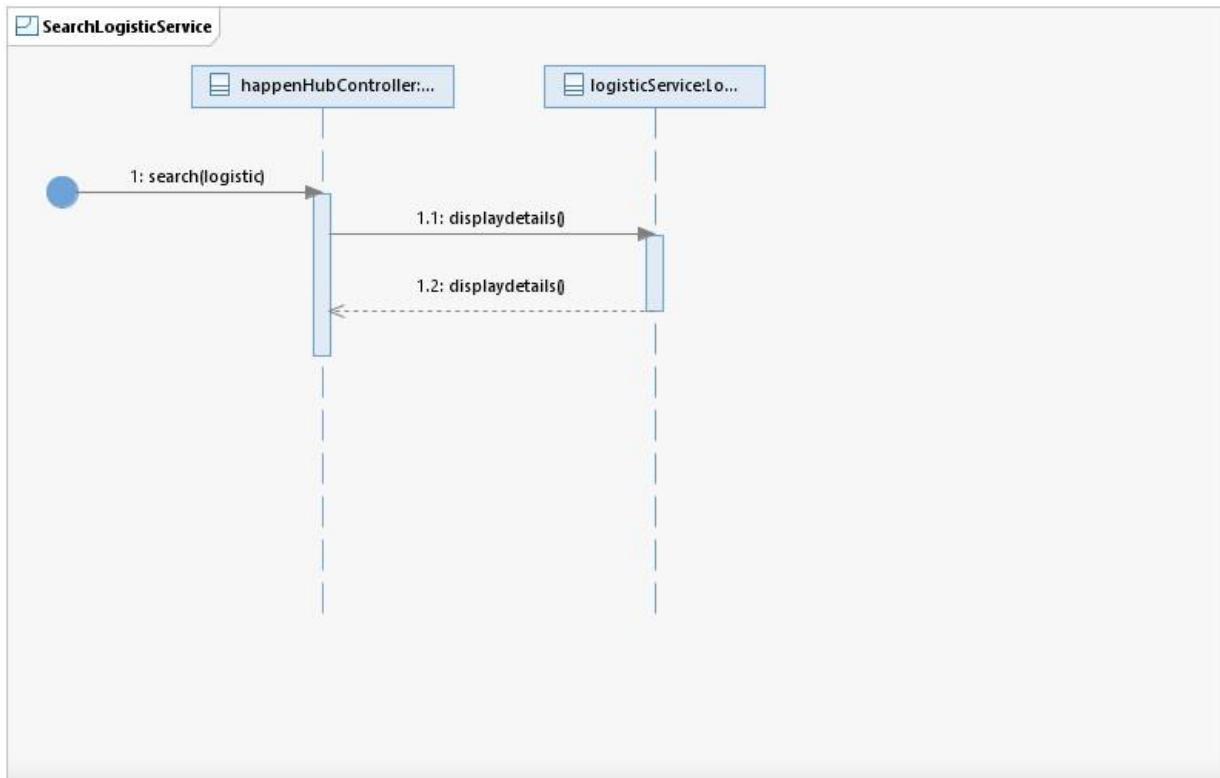
### Sequence Diagram 1.2: Book Planner



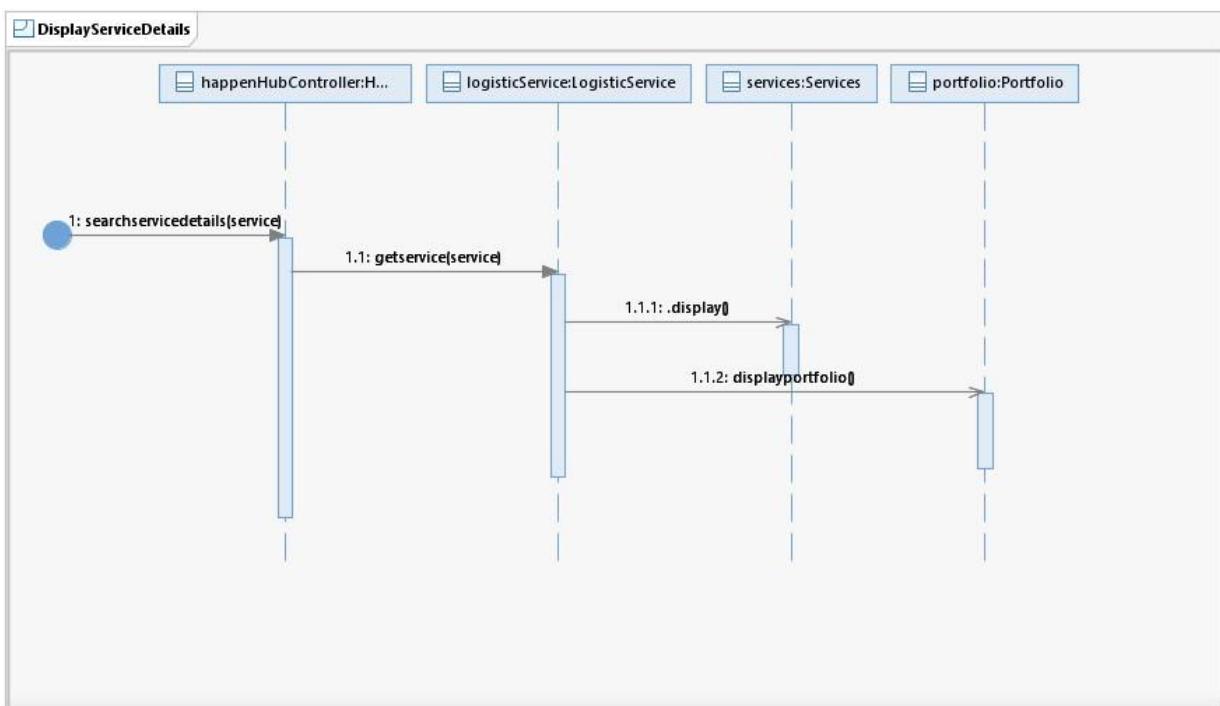
### System Sequence Diagram 2: Hire a Logistic Service



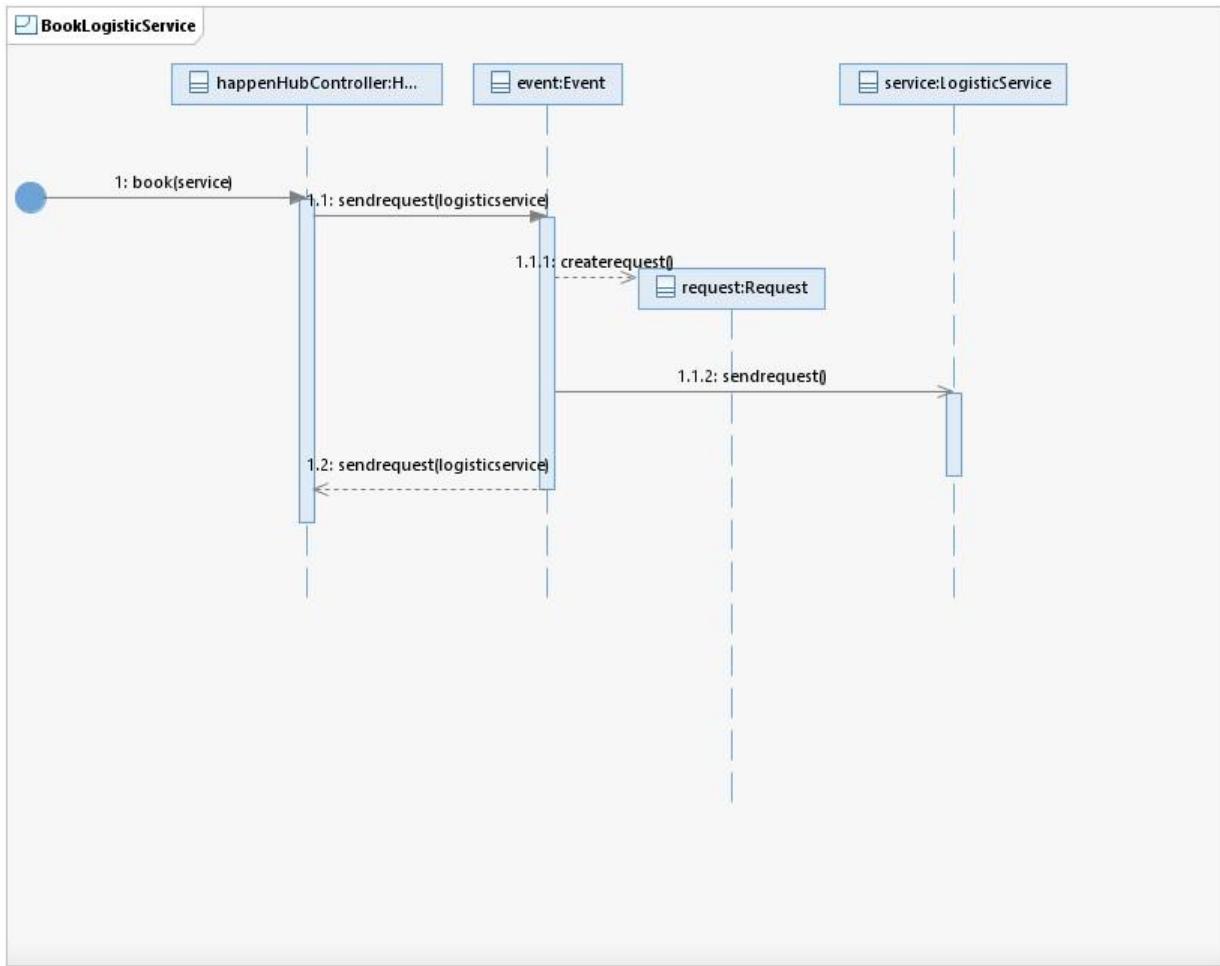
### Sequence Diagram 2.1: Search Logistic Service



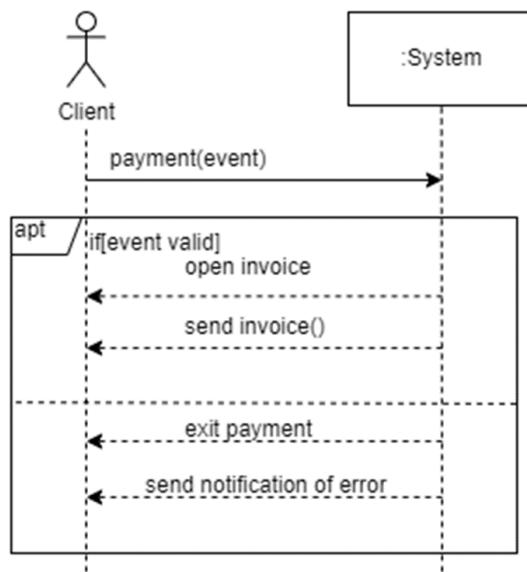
**Sequence Diagram 2.2: Display Service Details**



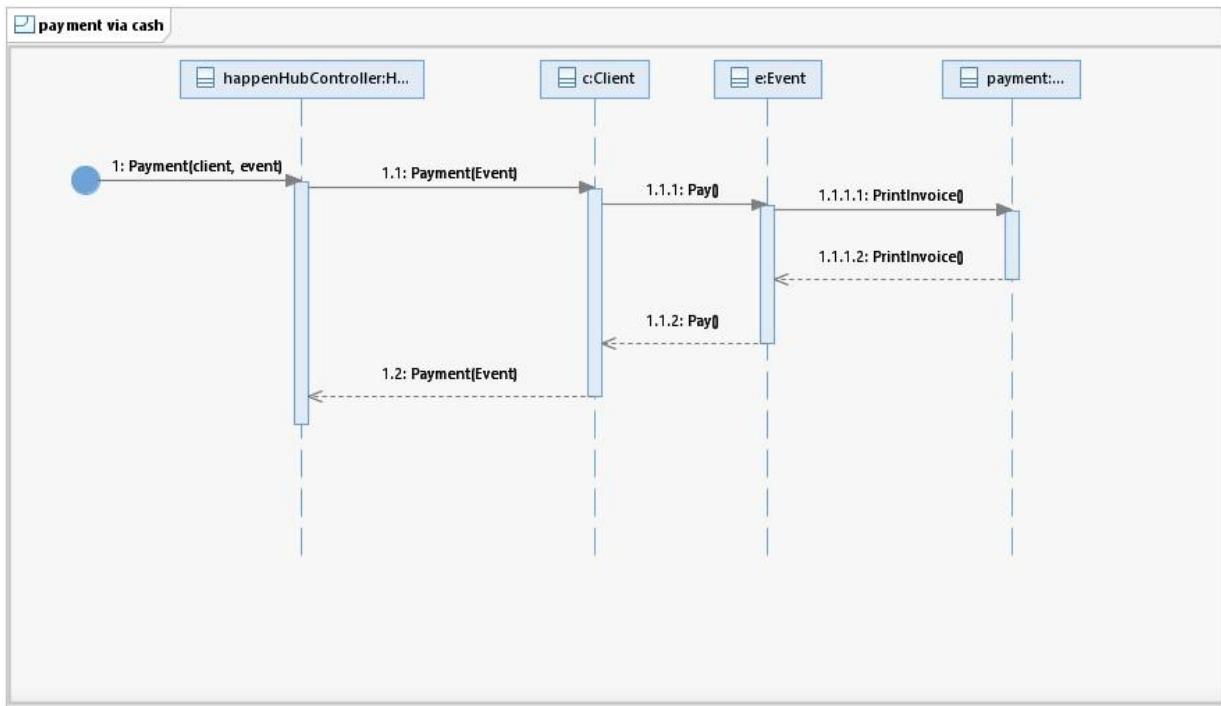
**Sequence Diagram 2.3: Book Service**



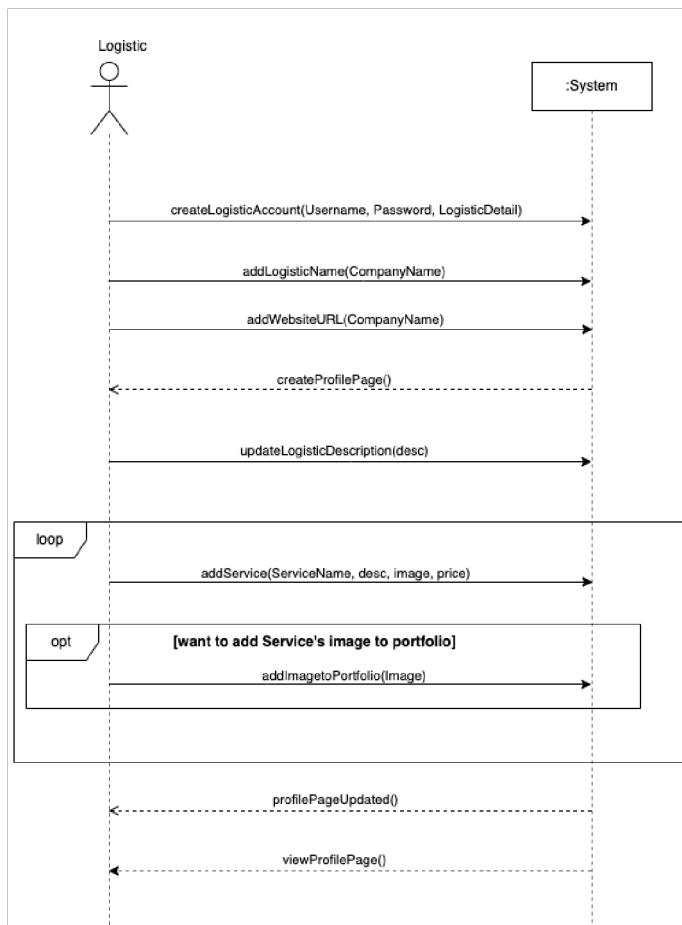
System Sequence Diagram 3: Payment



Sequence Diagram 3: Payment via cash



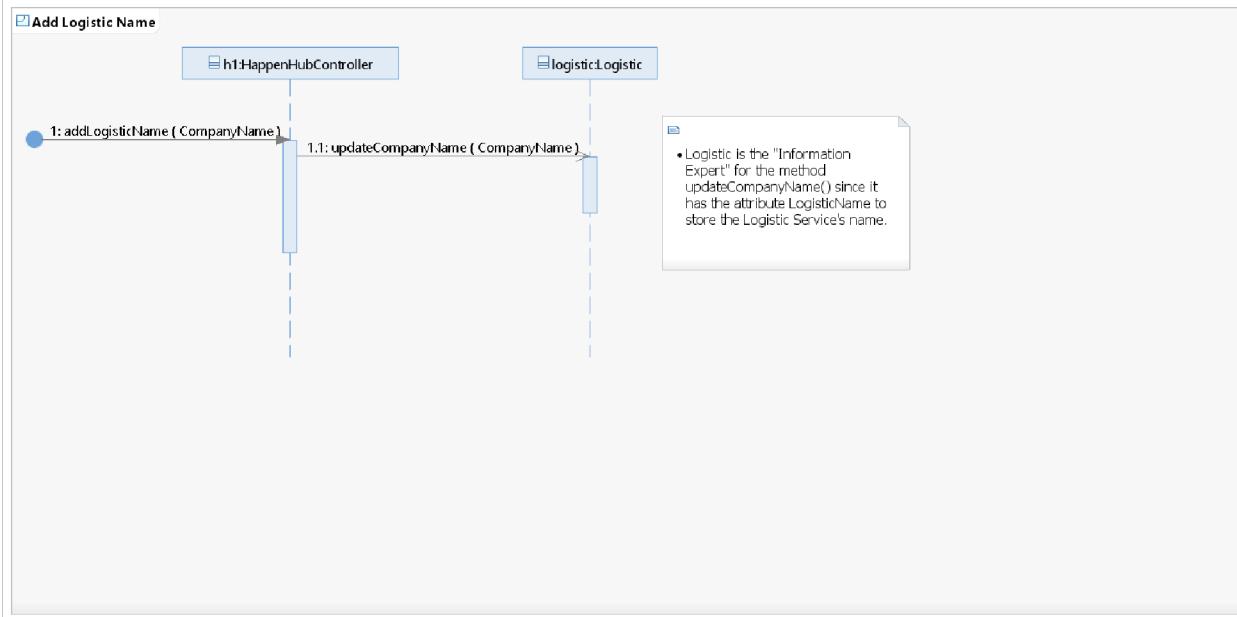
Sequence Diagram 4: Register as Logistic Service



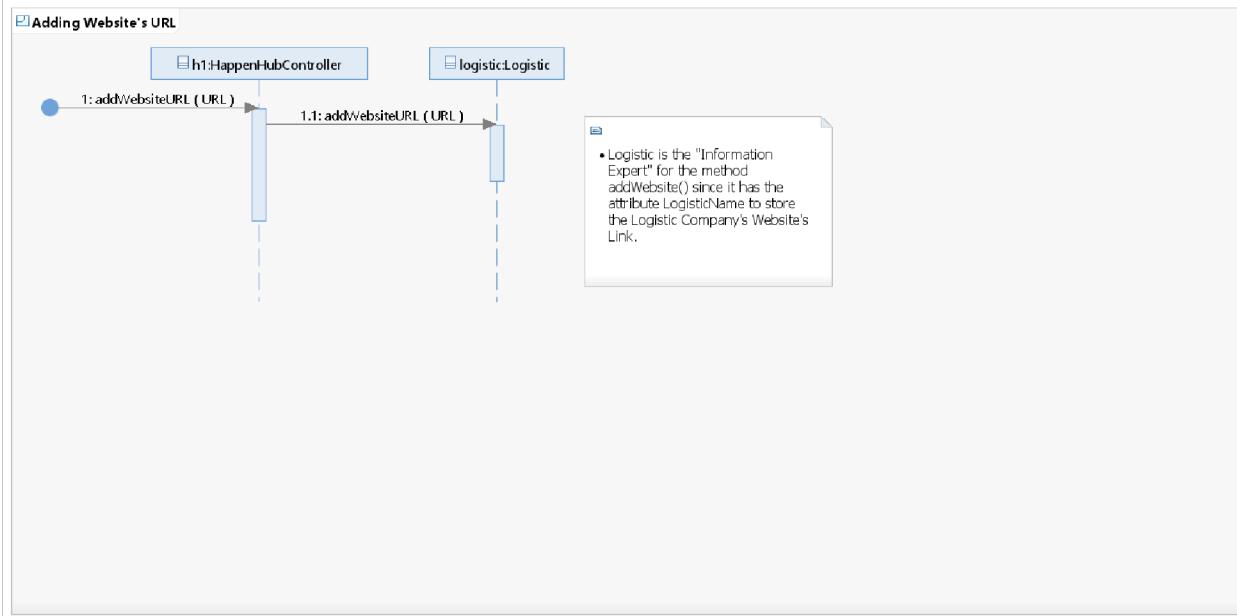
Sequence Diagram 4.1: Create Logistic Account



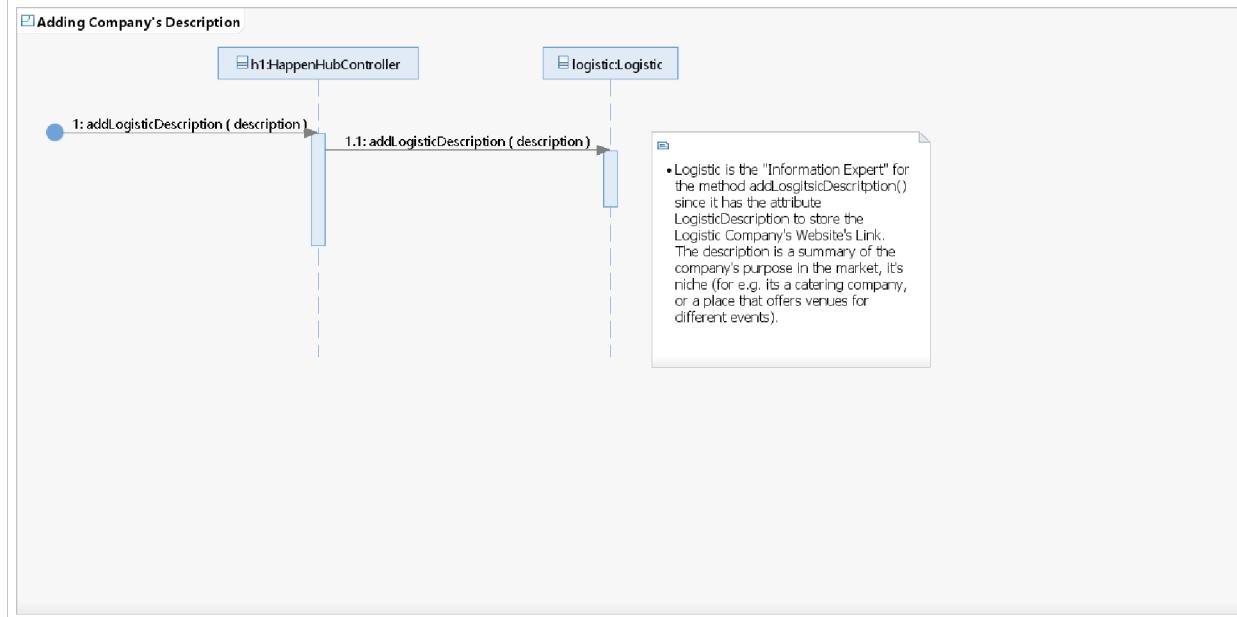
#### Sequence Diagram 4.2: Add Logistic Name



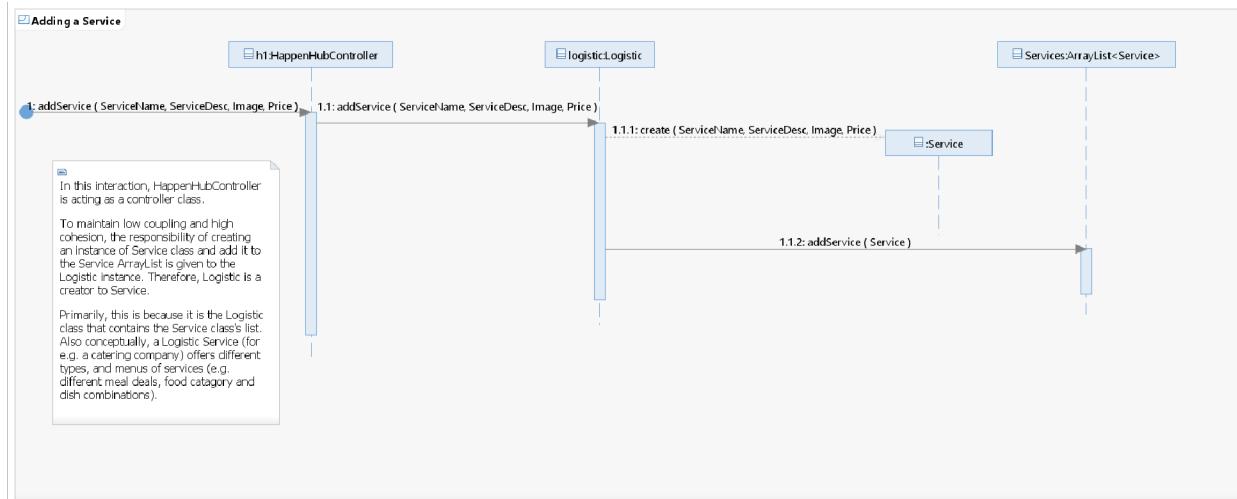
#### Sequence Diagram 4.3: Add Website URL



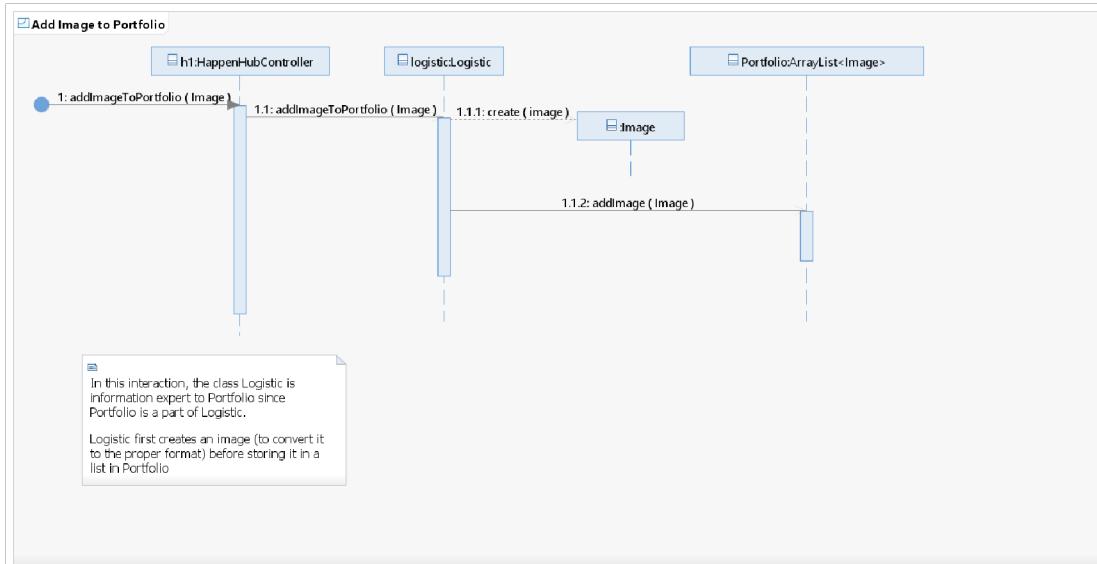
#### Sequence Diagram 4.4: Add Logistic Description



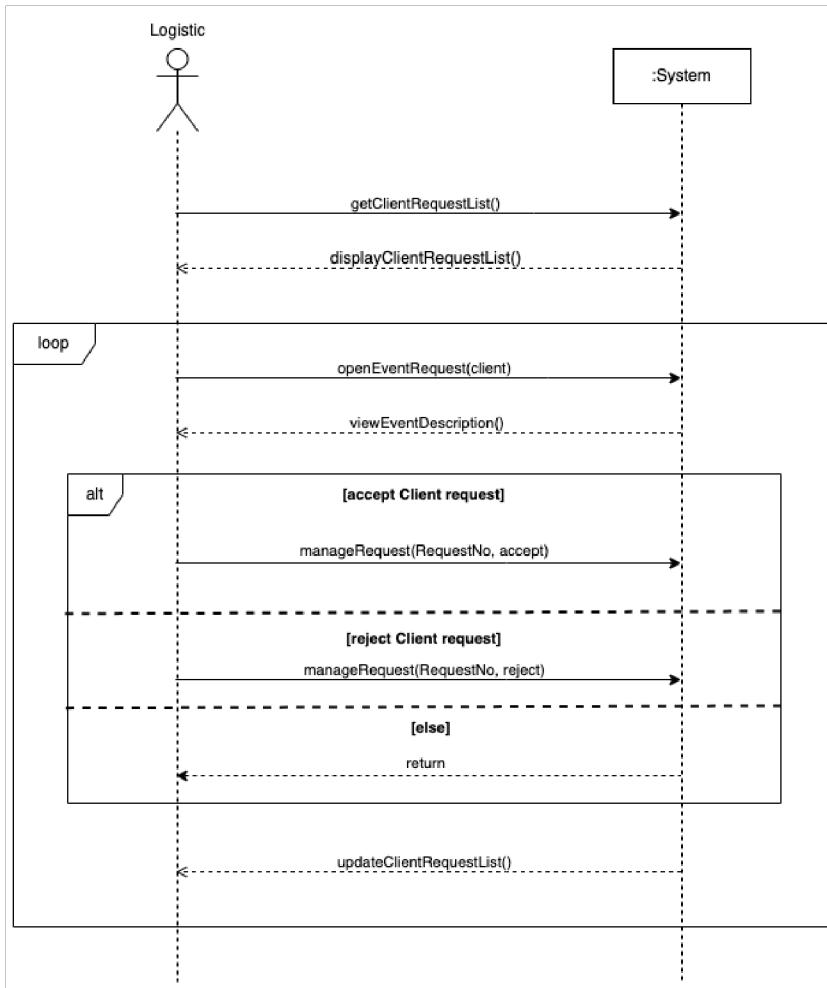
## Sequence Diagram 4.5: Add Service



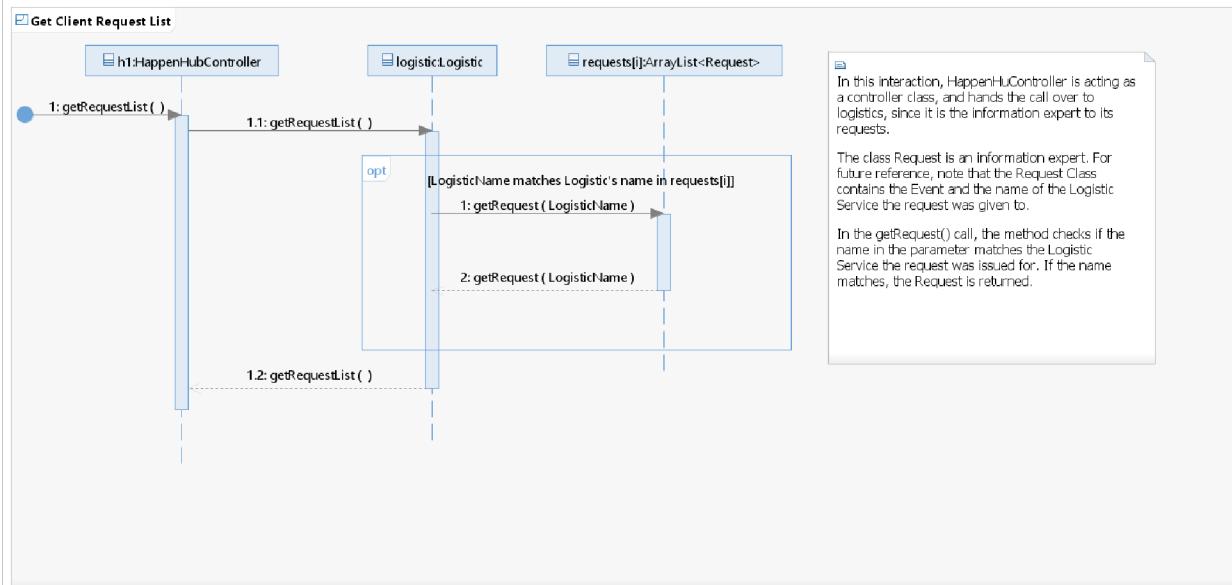
## Sequence Diagram 4.6: Add Image to Portfolio



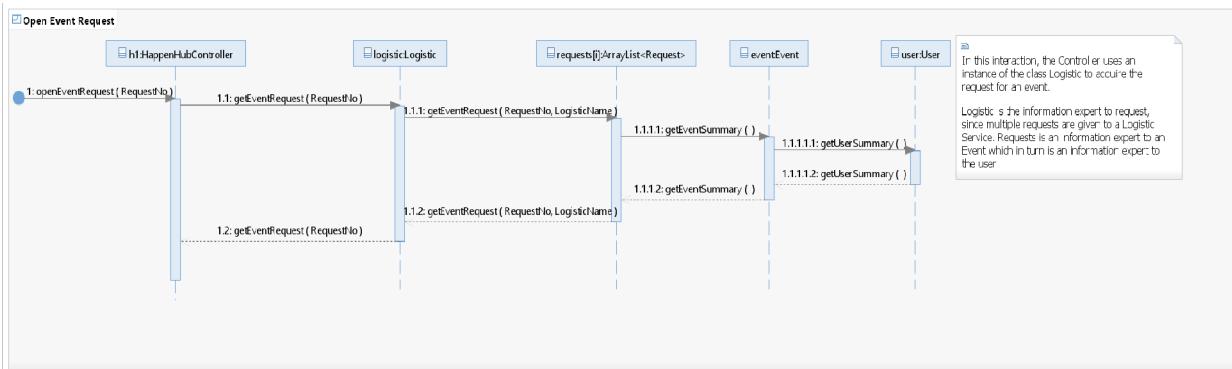
## Sequence Diagram 5: Handle Client Request



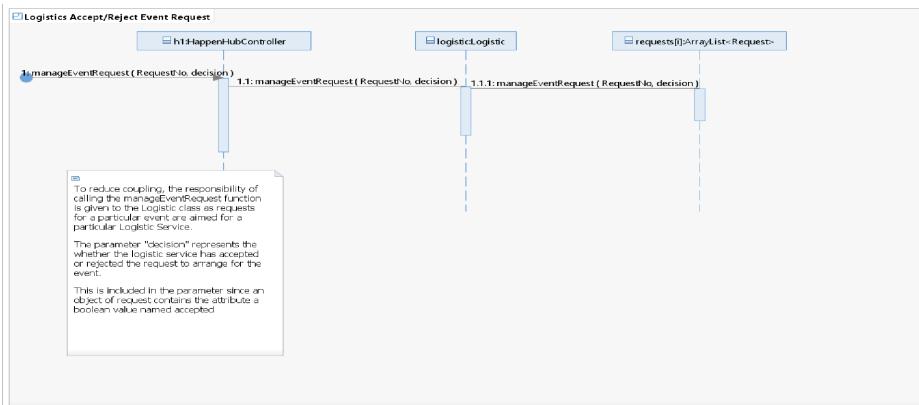
## Sequence Diagram 5.1: Get Client Request List



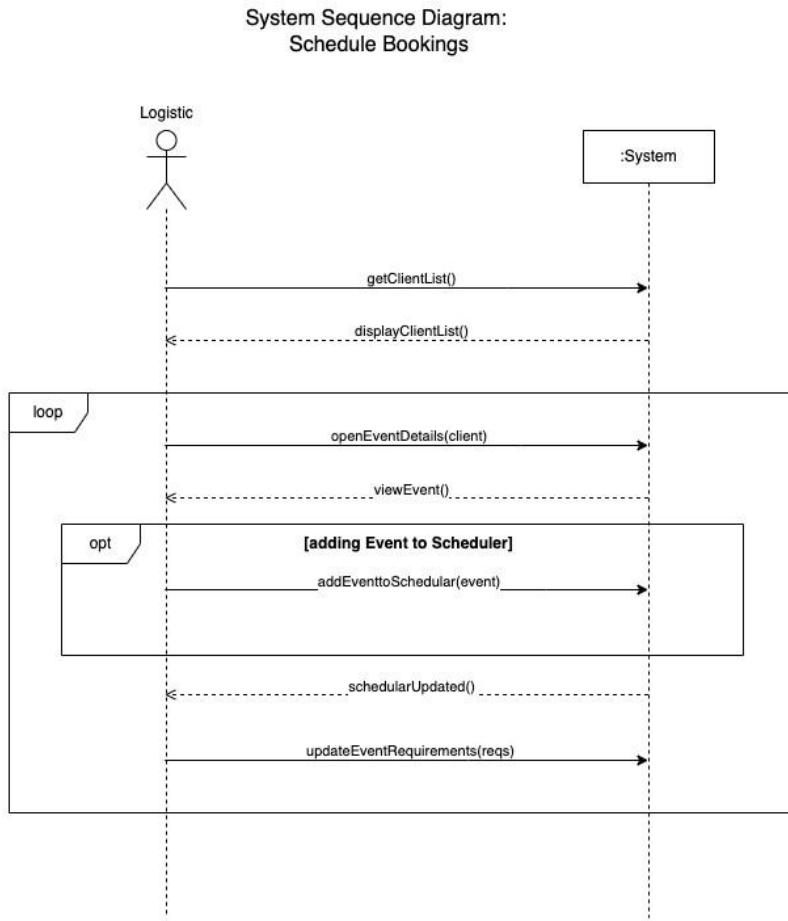
## Sequence Diagram 5.2: Open Event Request



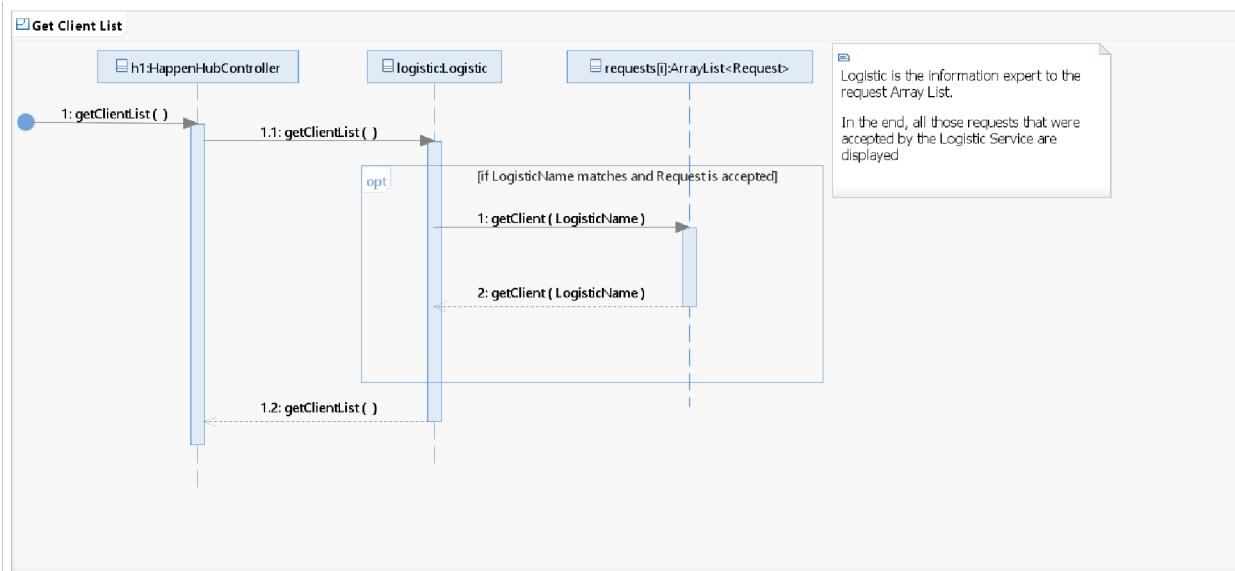
## Sequence Diagram 5.3: Manage Request



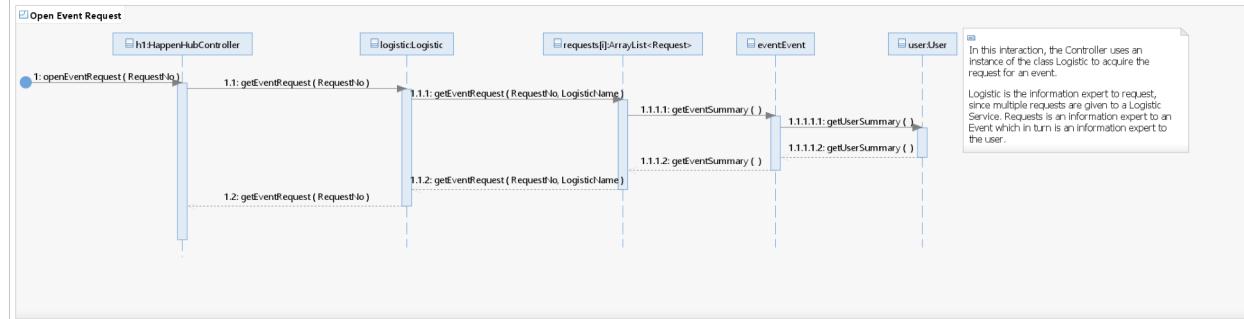
## Sequence Diagram 6: Schedule Bookings



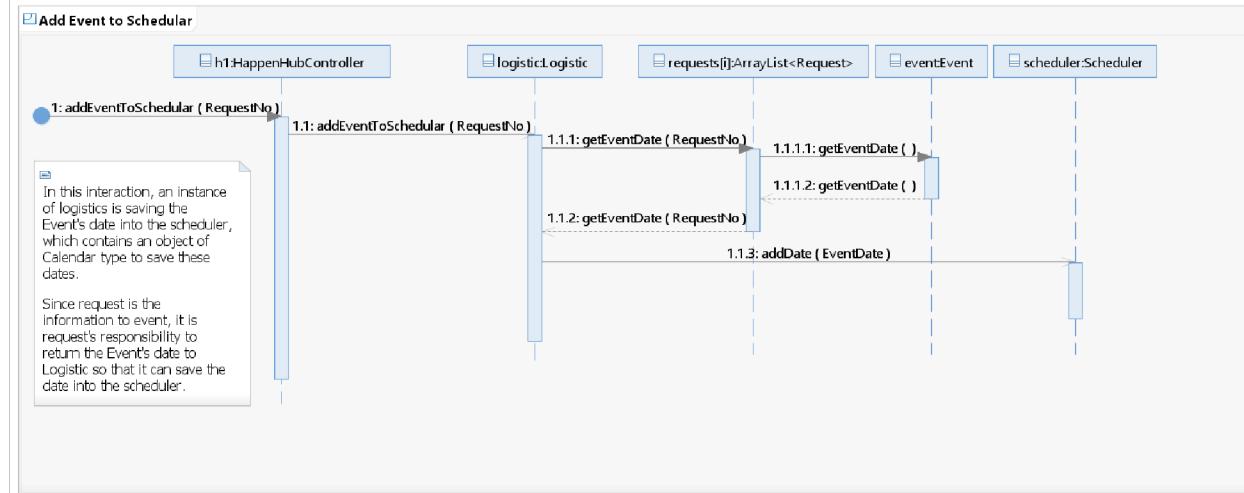
## Sequence Diagram 6.1: Get Client List



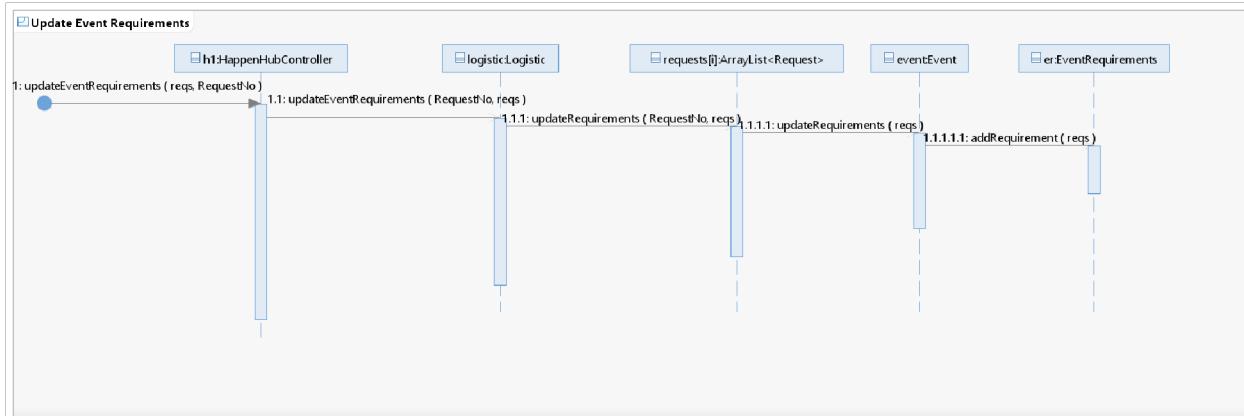
## Sequence Diagram 6.2: Open Event Details



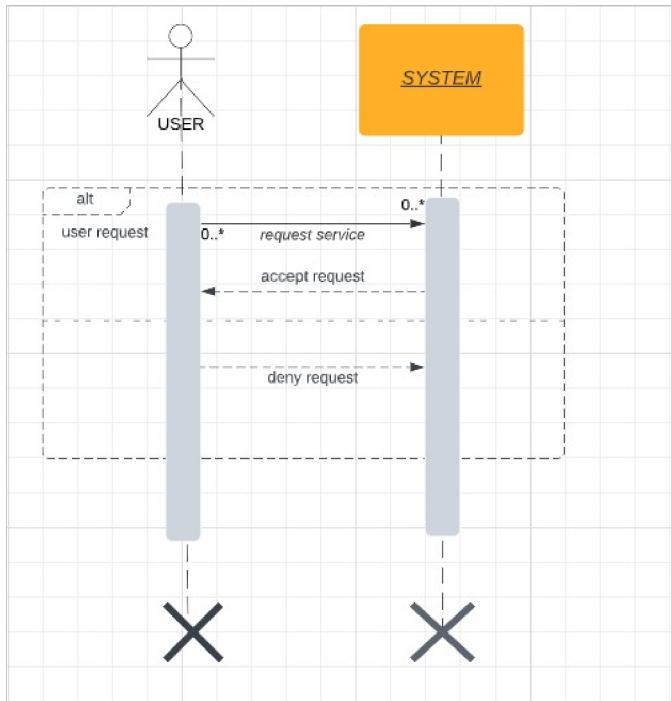
**Sequence Diagram 6.3: Add Event to Scheduler**



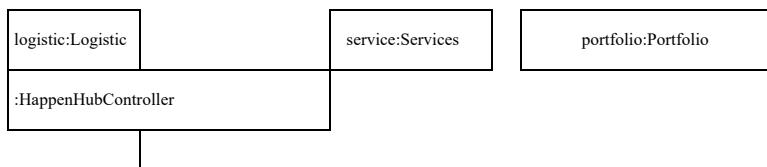
**Sequence Diagram 6.4: Update Event Requirements**

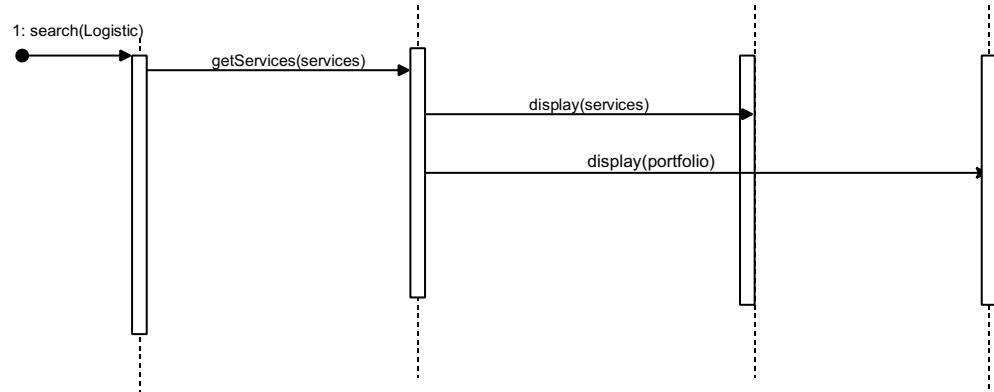


**System Sequence Diagram 7: Request Service**

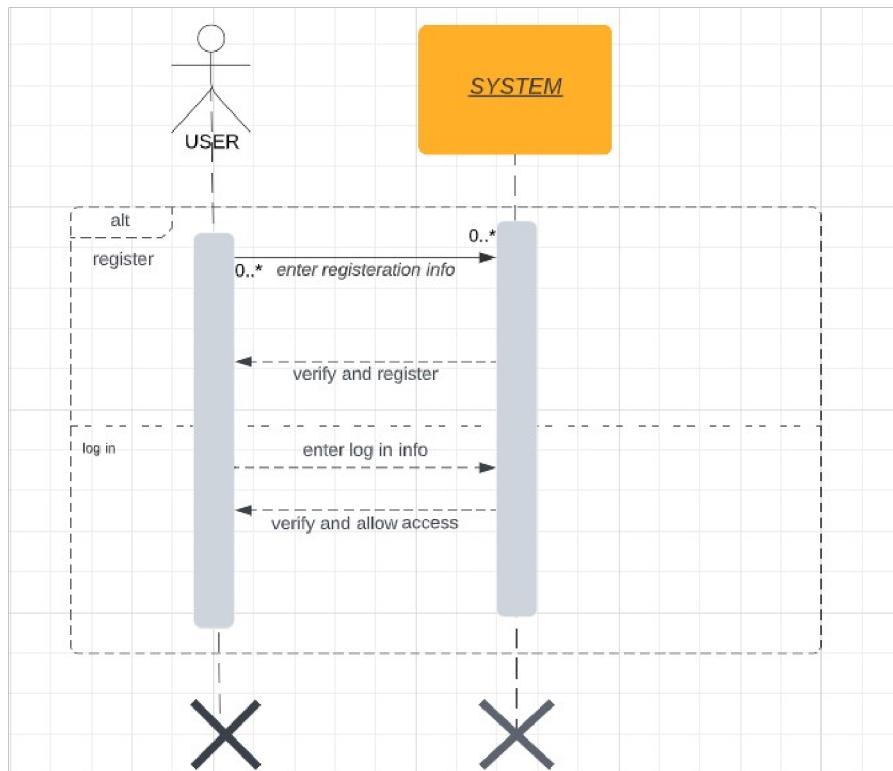


Sequence Diagram 7.1: Display Logistic Service

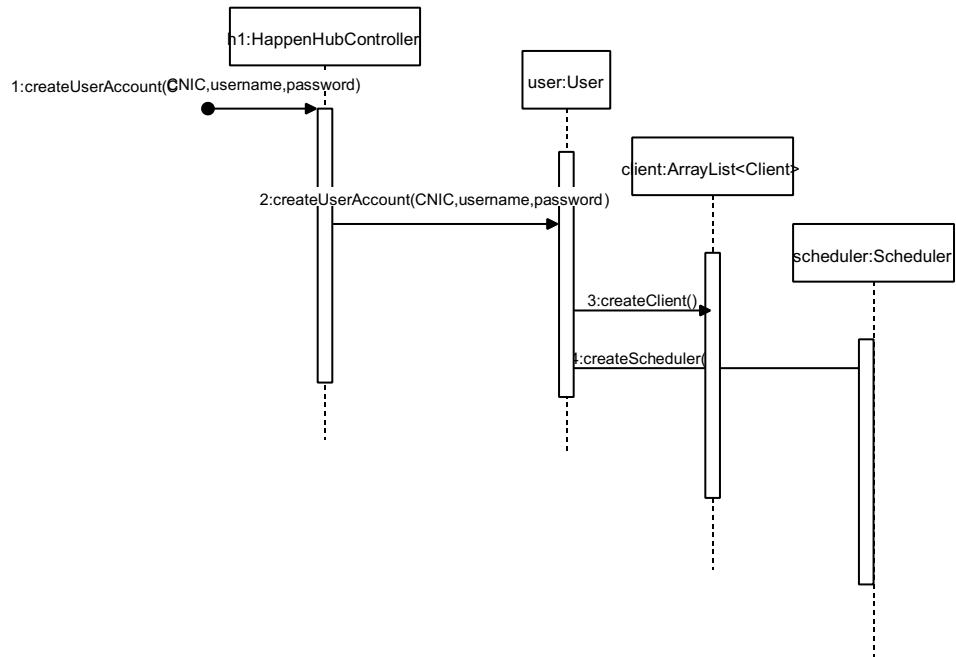




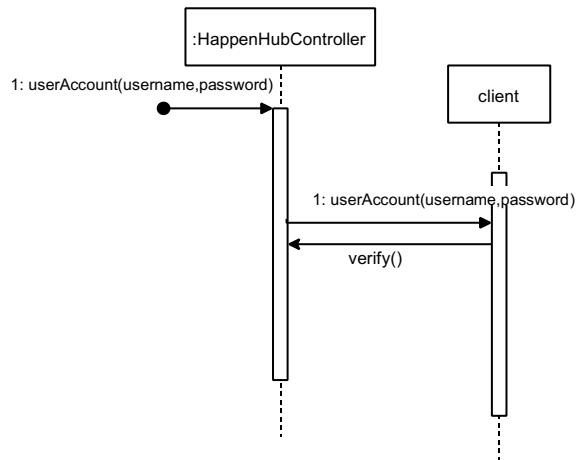
**System Sequence Diagram 8: Register/Login Account**



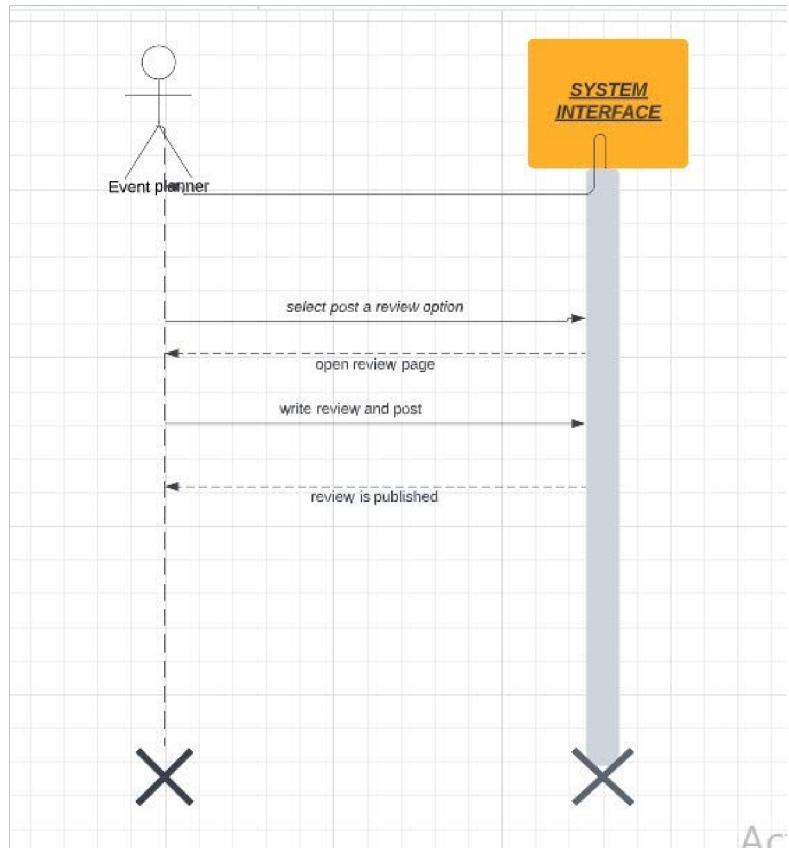
**Sequence Diagram 8.1: Create Client Account**



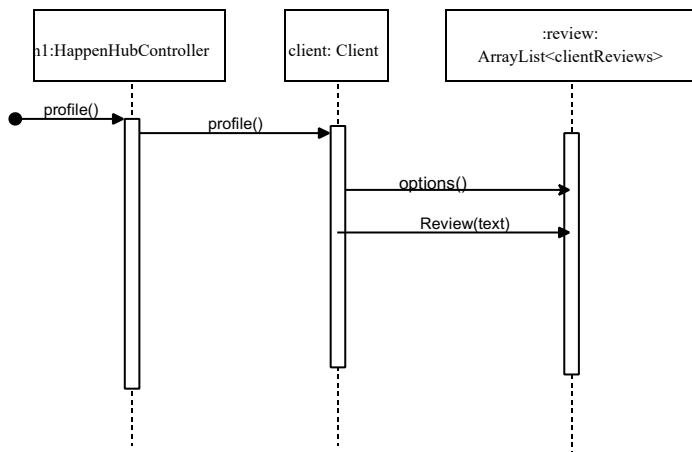
**Sequence Diagram 8.2: Verify User Account**



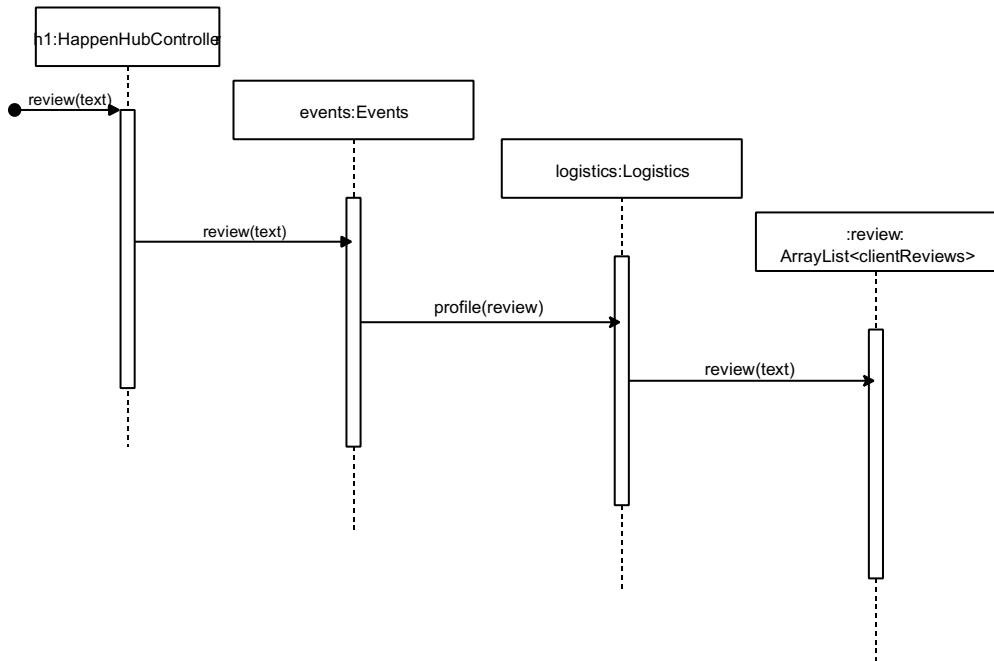
**System Sequence Diagram 9: Review Services (Logistics/Event Planner)**



**Sequence Diagram 9.1: Select to Post Review**

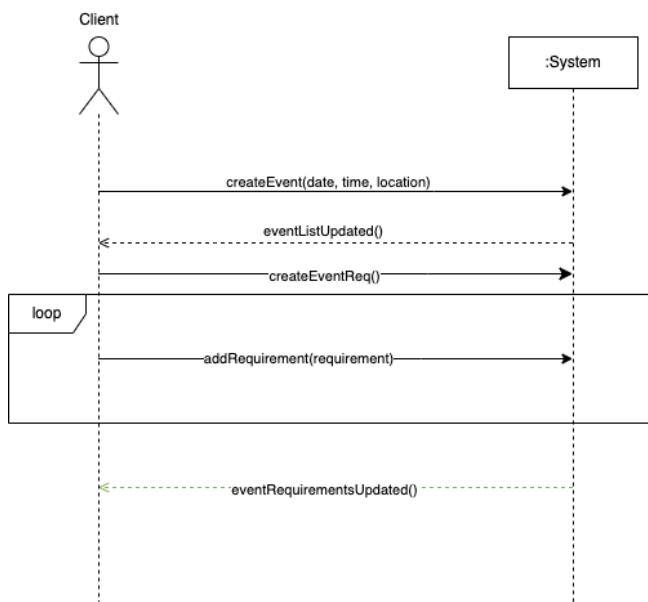


**Sequence Diagram 9.2: Review Event Planner**



**System Sequence Diagram 10: Create Event**

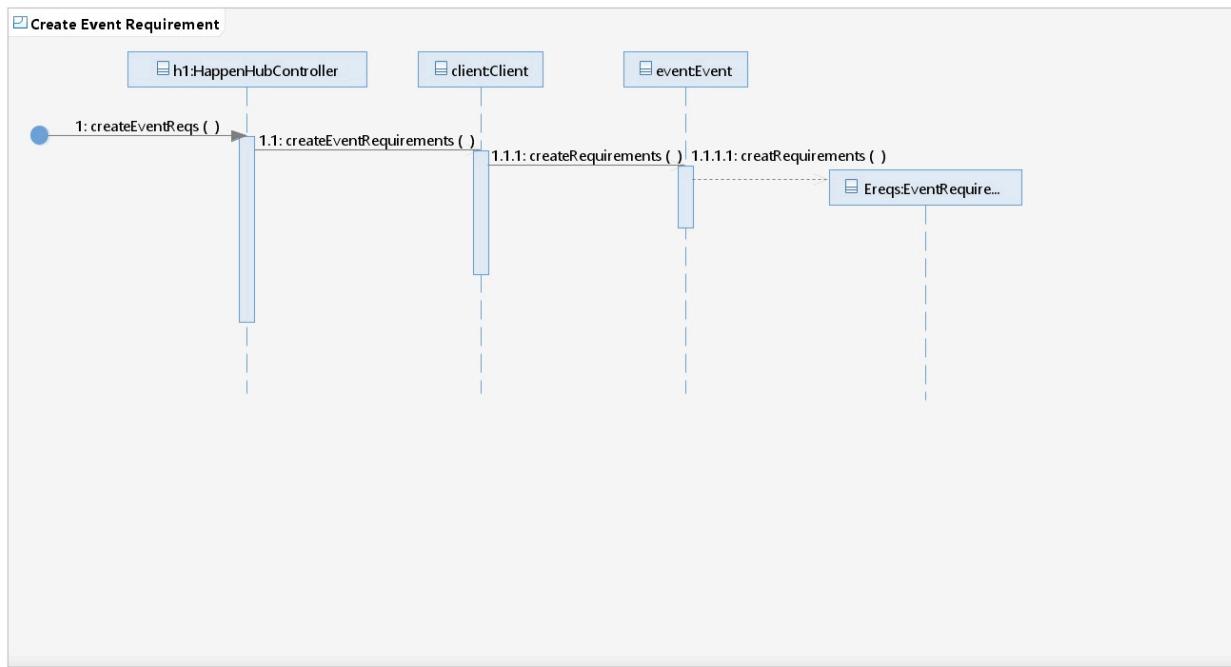
System Sequence Diagram:  
Create Event



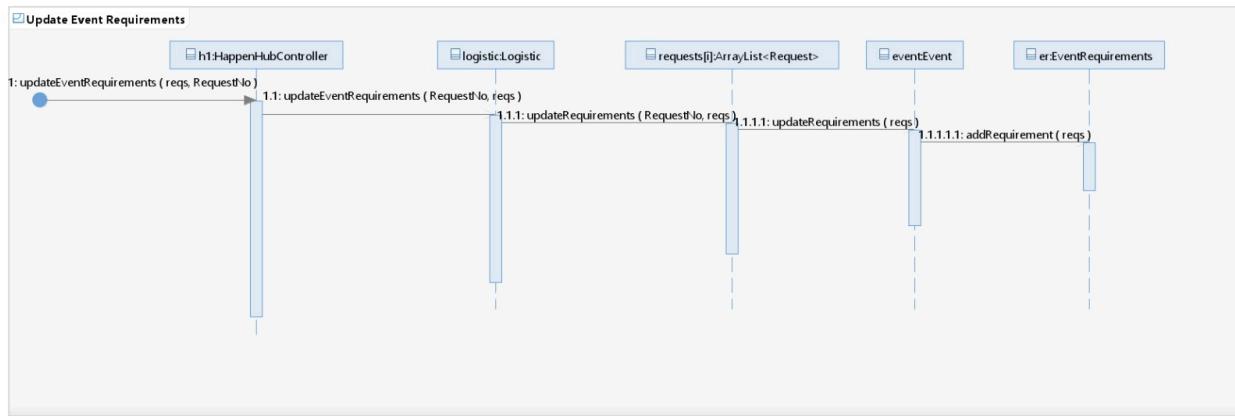
**Sequence Diagram 10.1: Create Event**



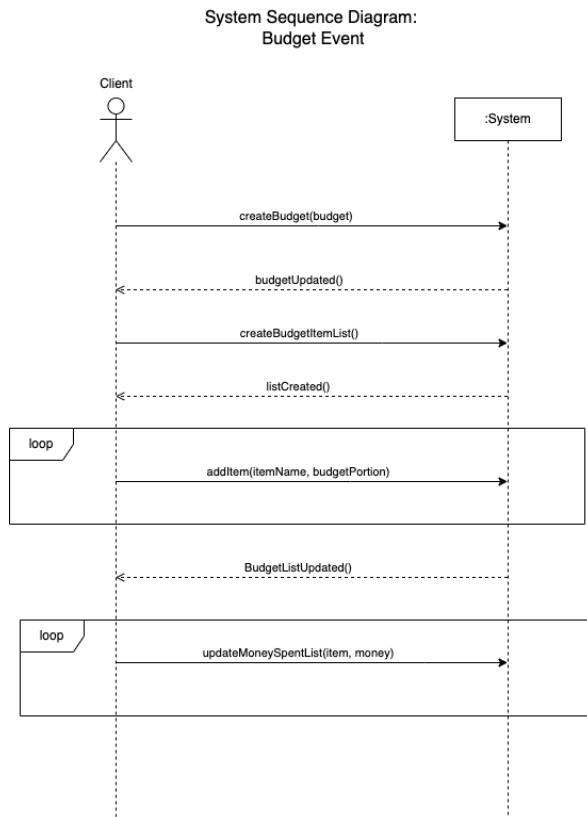
**Sequence Diagram 10.2: Create Event Requirement**



**Sequence Diagram 10.3: Add Requirement**



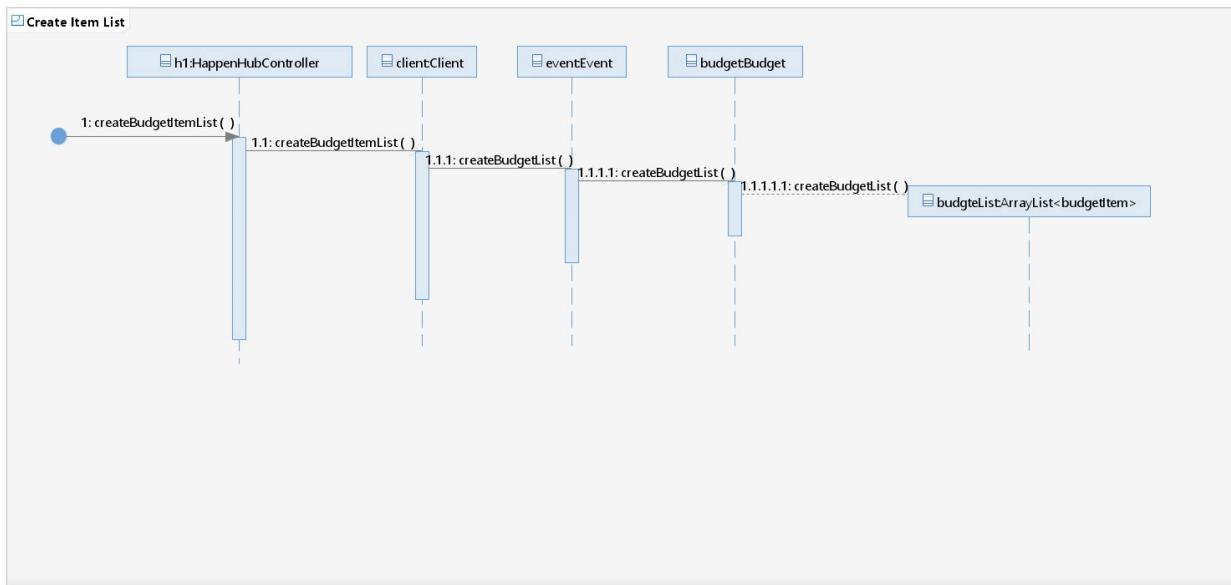
## System Sequence Diagram 11: Manage Budget



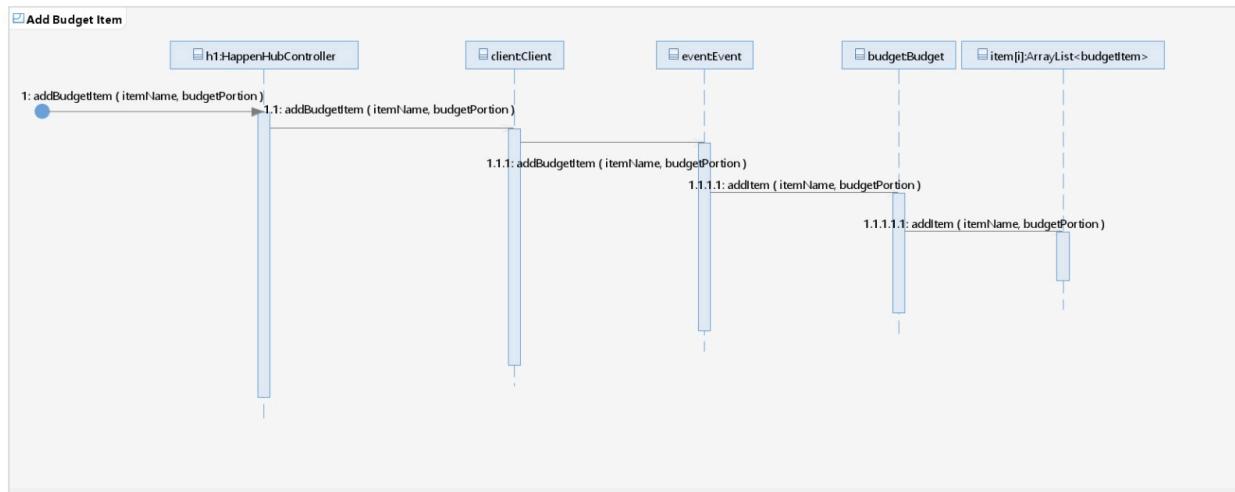
## Sequence Diagram 11.1: Create Budget



**Sequence Diagram 11.2: Create Budget Item List**



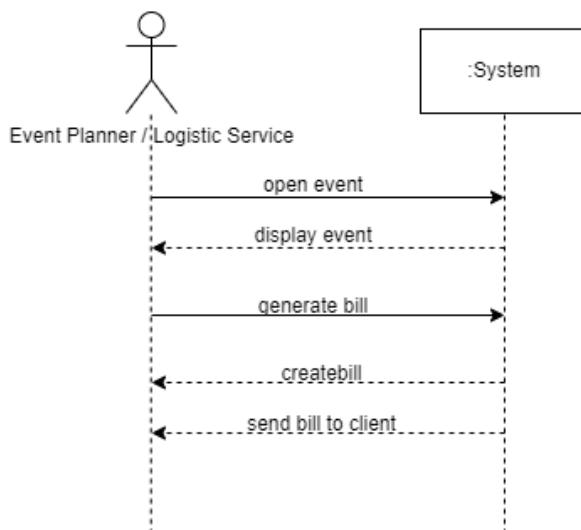
**Sequence Diagram 11.3: Add Item (to Budget List)**



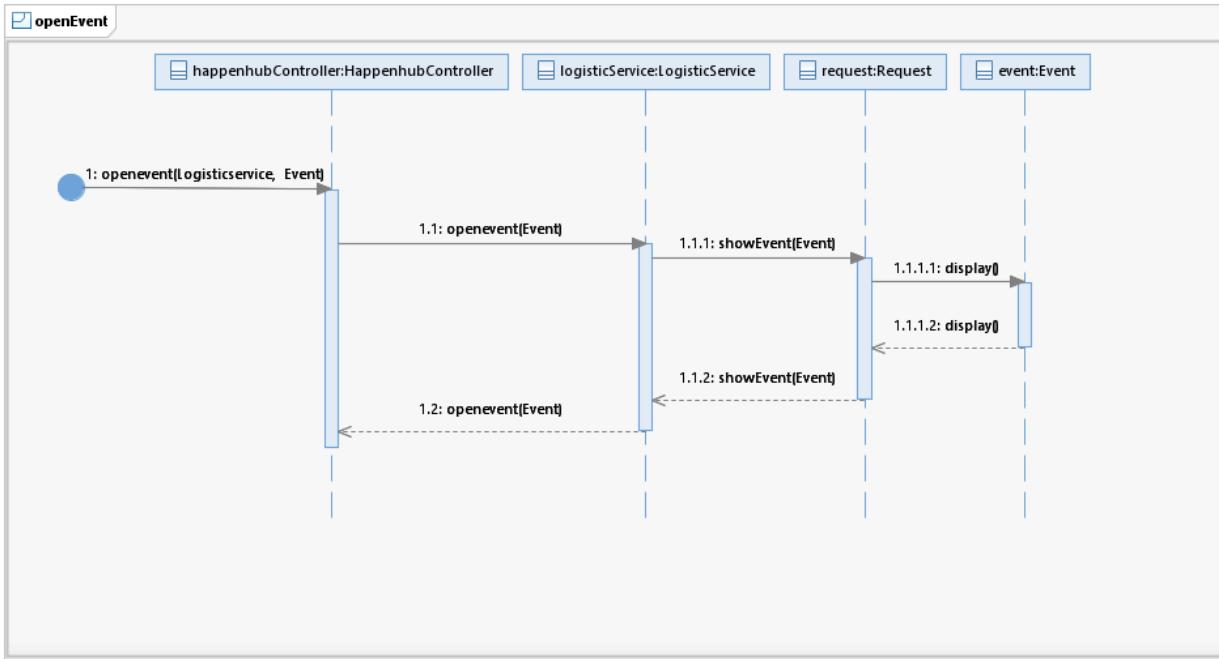
**Sequence Diagram 11.4: Update Money Spent**



**System Sequence Diagram 12: Generate Bill**



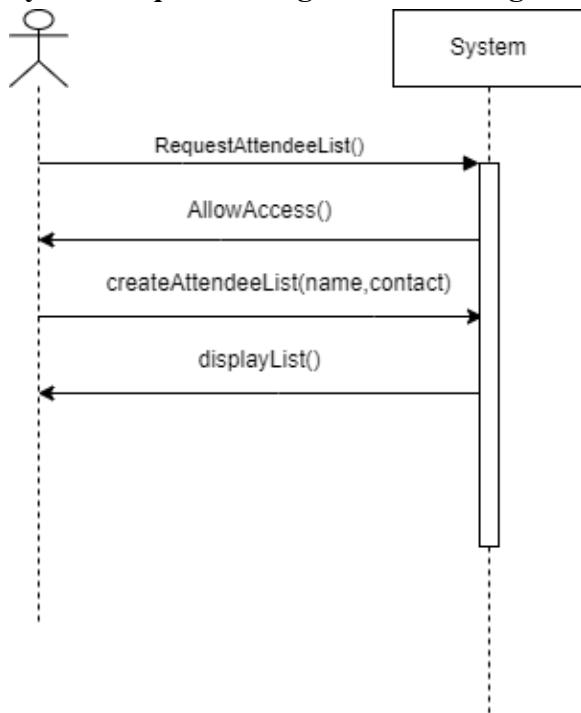
## Sequence Diagram 12.1: Generate Bill by Logistic Service



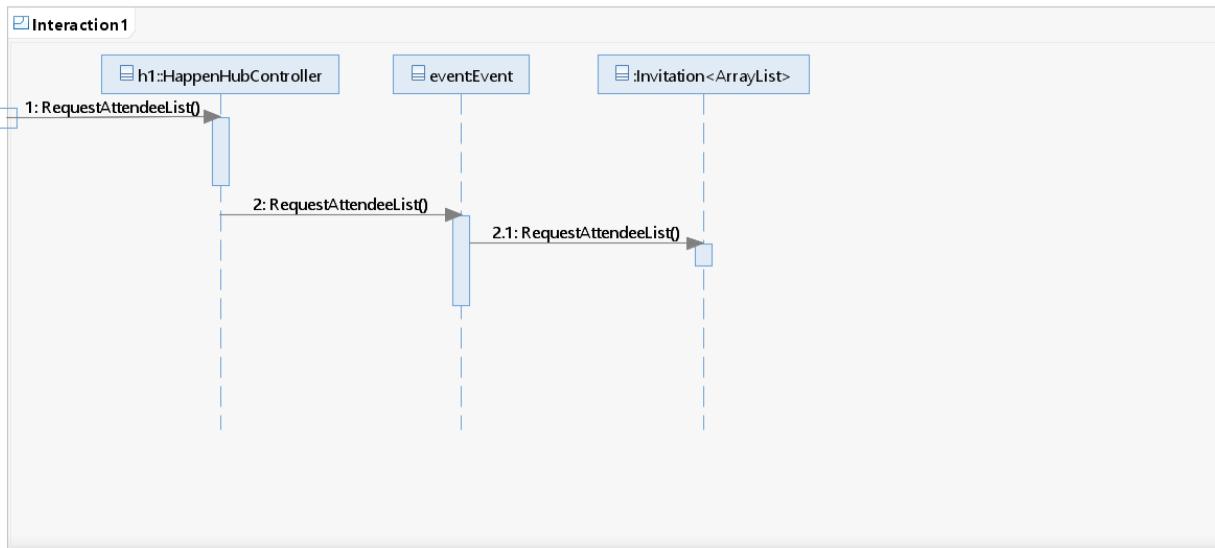
## System Diagram 12.2: Generate Bill



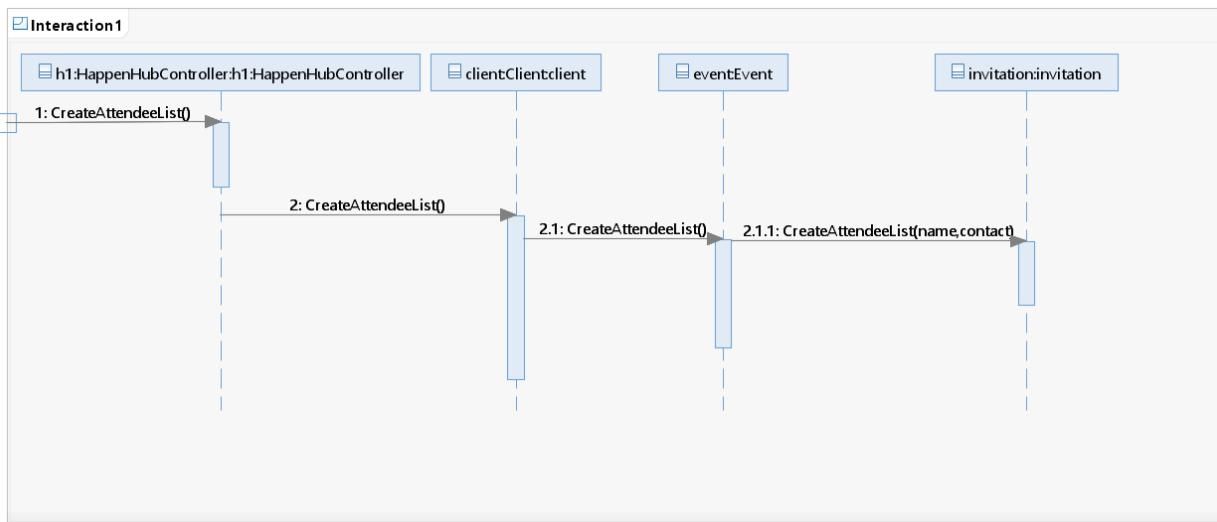
### System Sequence Diagram 13: Manage Attendee List



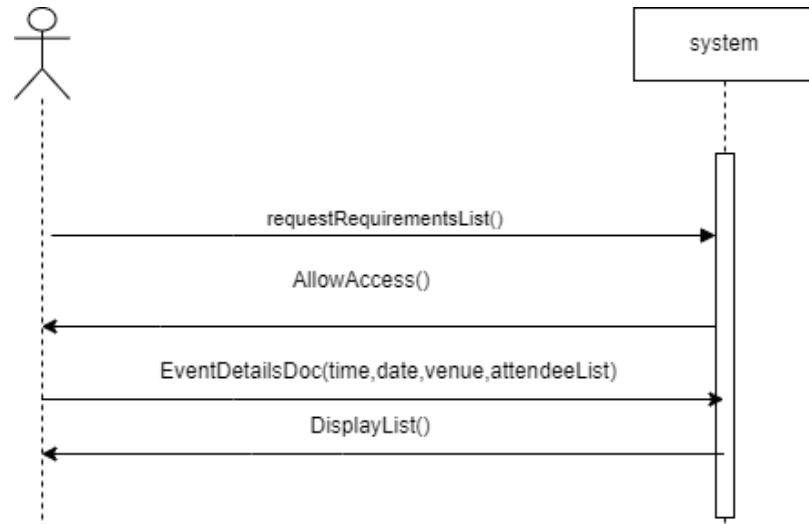
### Sequence Diagram 13.1: Request Attendee List



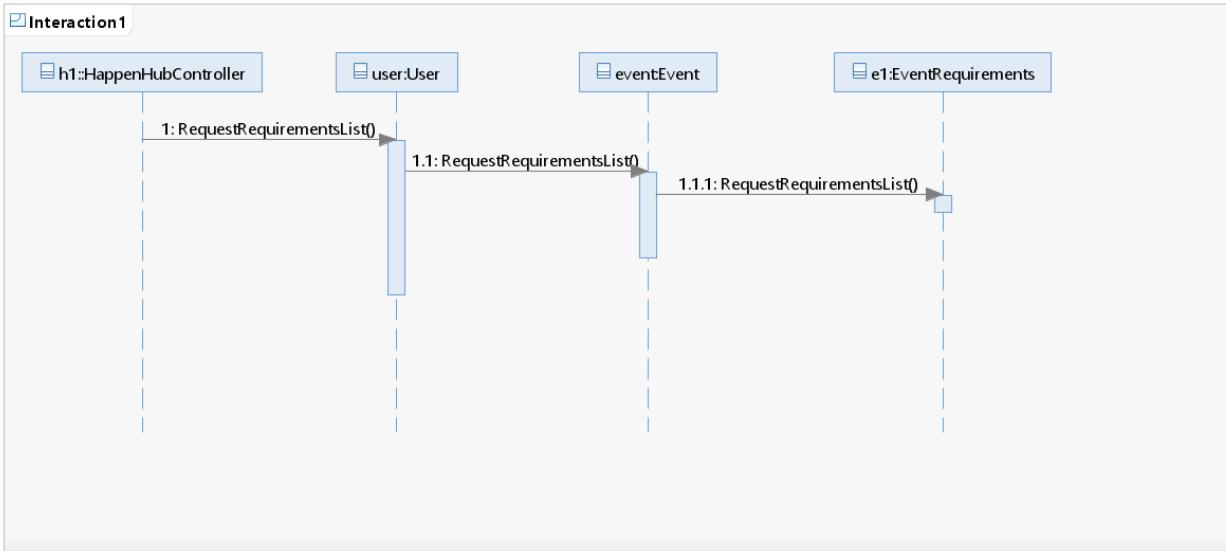
### Sequence Diagram 13.2: Update Attendee List



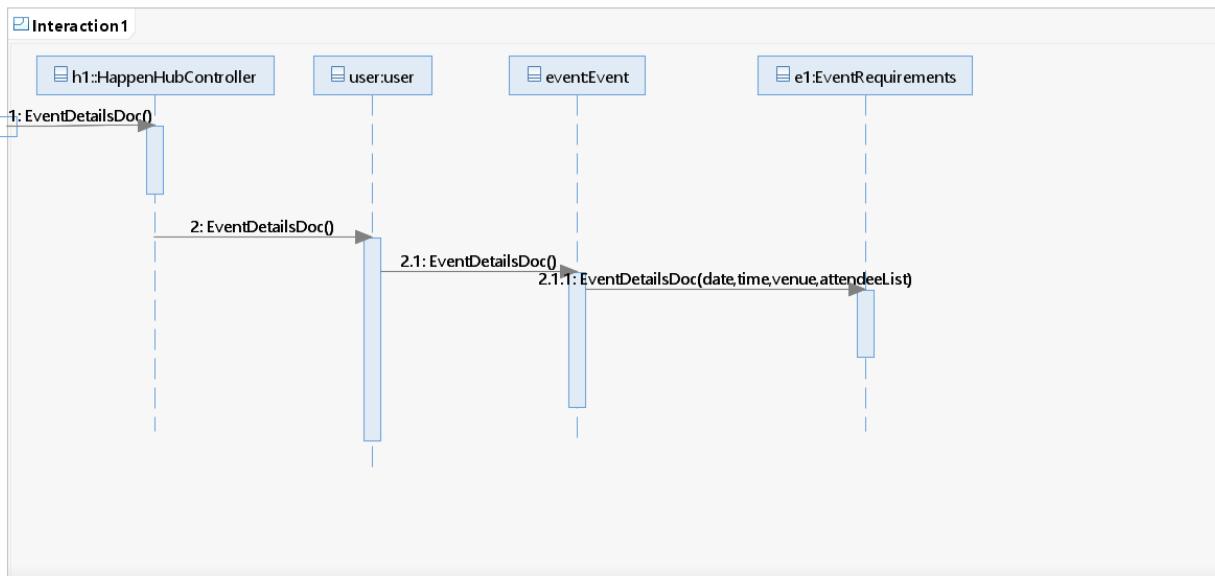
**System Sequence Diagram 14: Document Event Requirements**



**Sequence Diagram 14.1: Request for Requirement List**



**Sequence Diagram 14.2: Update Event Details**



## Work Division

Name	Work Done
Syeda Fatima Kazmi (21I-1213)	Extended Use Case 1, 2, 3, 12 Wireframes 1, 2, 3 Java Fx. Screens 1, 2, 3 System Sequence Diagram 1, 2, 3, 12 System Sequence Diagram 1, 2, 3, 12
Anum Batool (21I-1186)	Extended Use Case 4, 5, 6, 10, 11 Wireframes 4, 5, 6 Java Fx. Screens 4, 5, 6 System Sequence Diagram 4, 5, 6, 10, 11 System Sequence Diagram 4, 5, 6, 10, 11
Hamna Naveed Riaz (21I-1201)	Extended Use Case 7, 8, 9, 13, 14 Wireframes 7, 8, 9 Java Fx. Screens 7, 8, 9 System Sequence Diagram 7, 8, 9, 13, 14 System Sequence Diagram 7, 8, 9, 13, 14

## Version History

<b>Document Version</b>	<b>Date</b>	<b>Detail (Tasks done)</b>
Version 1.0	4 <sup>th</sup> March 2023	<ul style="list-style-type: none"> <li>1. Created Actor-Goal List</li> <li>2. Created Use Case Diagram</li> <li>3. Created High-Level Use Cases</li> </ul>
Version 2.0	20 <sup>th</sup> March 2023	<ul style="list-style-type: none"> <li>1. Updated Use Case Diagram</li> <li>2. Created Extended Use Cases</li> <li>3. Created Wireframes</li> <li>4. Created Java Fx Screens</li> </ul>
Version 3.0	12 <sup>th</sup> March 2023	<ul style="list-style-type: none"> <li>1. Created Domain Model</li> <li>2. Created SSD</li> <li>3. Updated Actor-Goal List</li> <li>4. Updated Extended Use Cases</li> <li>5. Combined Version 1.0 and 2.0 into a single document</li> </ul>
Version 3.1	19 <sup>th</sup> April 2023	<ul style="list-style-type: none"> <li>1. Updated SSD's</li> <li>2. Updated document structure</li> <li>3. Updated Domain Model</li> </ul>
Version 4.0	3 <sup>rd</sup> May 2023	<ul style="list-style-type: none"> <li>1. Included SDs</li> <li>2. Updated Domain Model</li> <li>3. Updated Use case Diagram</li> <li>4. Updated SSD'S.</li> </ul>
Version 5.0	7 <sup>th</sup> June 2023	<ul style="list-style-type: none"> <li>1. Updated Extended Use Cases</li> <li>2. Updated SSDs</li> <li>3. Updated SDs</li> <li>4. Updated Java Fx Screens</li> <li>5. Added Class Diagram</li> </ul>