SRS Document SEM I 20192020

Event Management System

AlphaBeta Enterprise

1. FATIN NAJIHAH BINTI SABRI [CB17020]
2. LIEW LI YU [CB17066]
3. AMIRA NAJIHAH BINTI AMRI [CB17107]
4. TAN WEI NENG [CB17103]

αβ AlphaBeta
Enterprise

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USE CASE DIAGRAM

Figure 1 - Use Case Event Management System

DIALOG DIAGRAM

```
                              ┌─────────────┐
                              │      0      │
                              │  Homepage   │
                              │   System    │
                              └─────────────┘
```

1		2
Login		Sign Up
0, 2		0, 1

1.1	1.2	1.3	1.4
Event Community Customer	Event Community Event Organizer	Event Community Supplier	Event Community System Administrator
0	0	0	0

1.1.1	1.2.1	1.3.1	1.4.1
Book Package	Book Package	update package	Approve account
1.1, 1.1.1.1, 1.1.2, 1.1.3, 1.1.4	1.2, 1.2.1.1, 1.2.2, 1.2.3	1.3, 1.3.2, 1.3.3, 1.3.4, 1.3.5	1.4, 1.4.2, 1.4.3, 1.4.4, 1.4.5

1.1.1.1	1.2.1.1	1.3.2	1.4.2
message supplier	message supplier	add package	Supplier and Equipment Report
1.1, 1.1.1	1.2, 1.2.1	1.3, 1.3.1, 1.3.3, 1.3.4, 1.3.5	1.4, 1.4.1, 1.4.3, 1.4.4, 1.4.5

1.1.2	1.2.2	1.3.3	1.4.3
reserve equipment	reserve equipment	reply message	Event Report
1.1, 1.1.1, 1.1.3, 1.1.4	1.2, 1.2.1	1.3, 1.3.1, 1.3.2, 1.3.4, 1.3.5	1.4, 1.4.1, 1.4.2, 1.4.4, 1.4.5

1.1.3	1.2.3	1.3.4	1.4.4
payment	payment	add equipment	Customer Report
1.1, 1.1.1, 1.1.2, 1.1.4	1.2, 1.2.1, 1.2.2	1.3, 1.3.1, 1.3.2, 1.3.3, 1.3.5	1.4, 1.4.1, 1.4.2, 1.4., 1.4.5

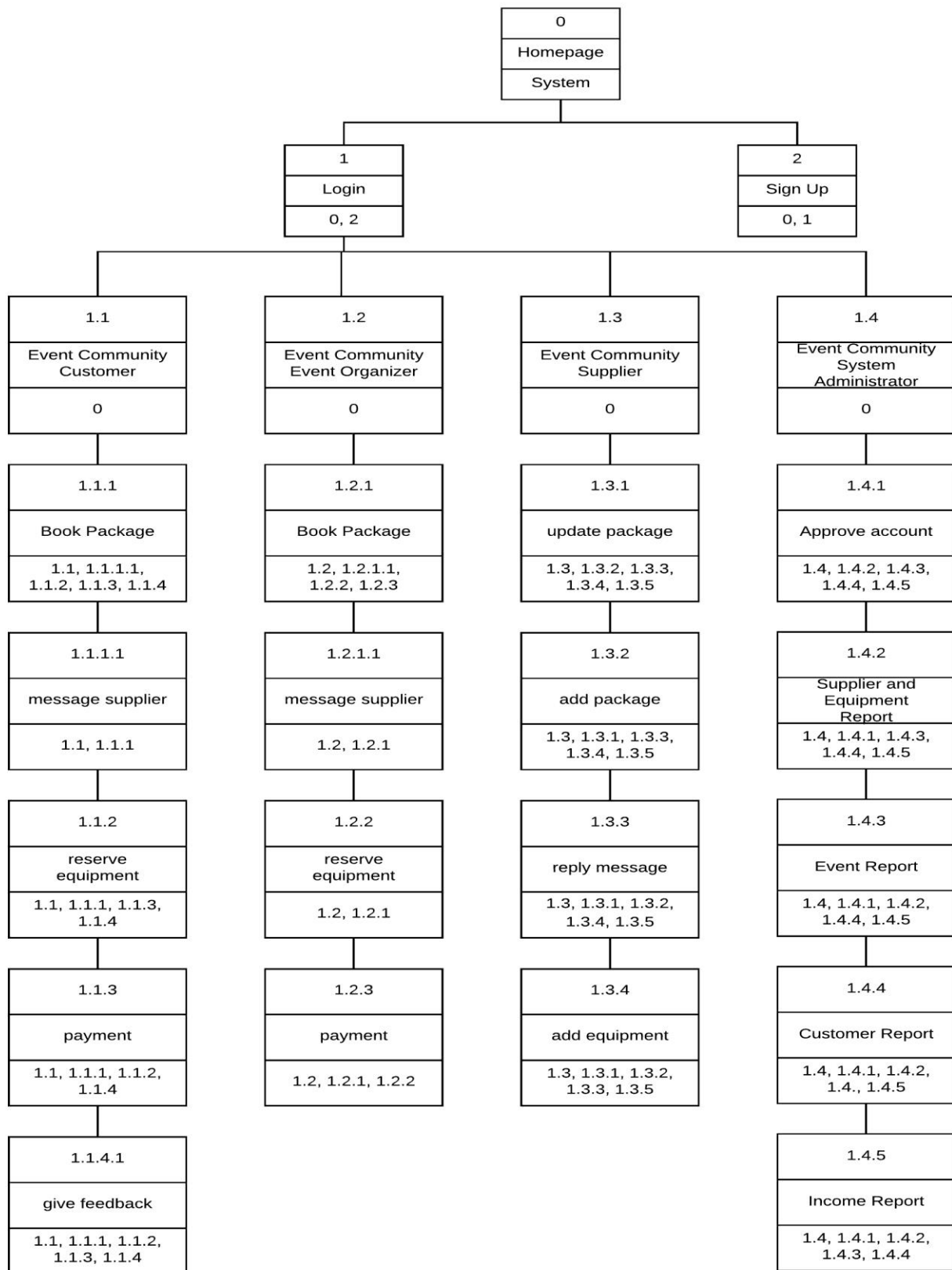| 1.1.4.1			1.4.5
give feedback			Income Report
1.1, 1.1.1, 1.1.2, 1.1.3, 1.1.4			1.4, 1.4.1, 1.4.2, 1.4.3, 1.4.4

Figure 2 – Dialog Diagram Event Management System

MODULE 1: MANAGE SUPPLIER[TAN WEI NENG]
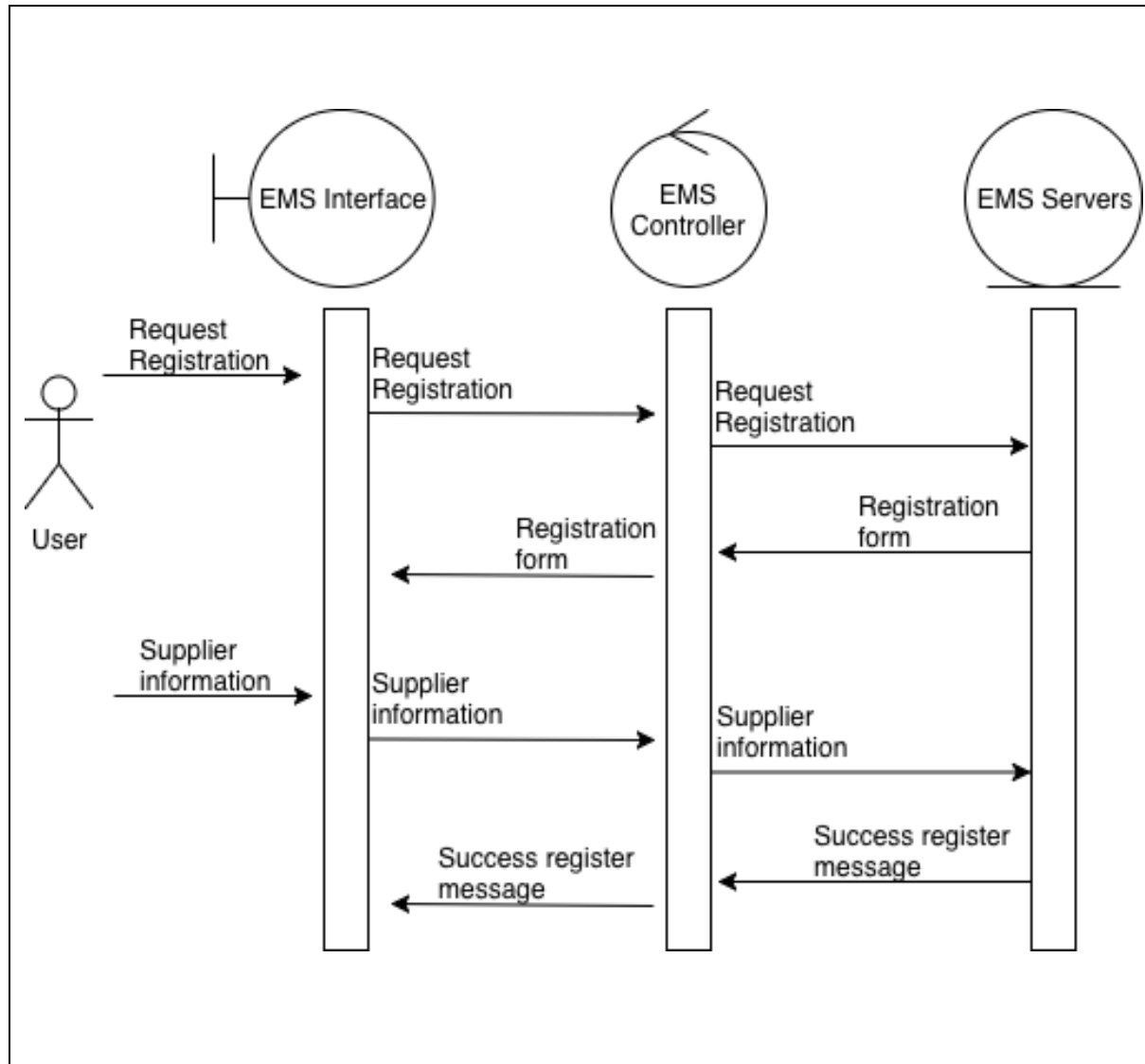
Use Case Description

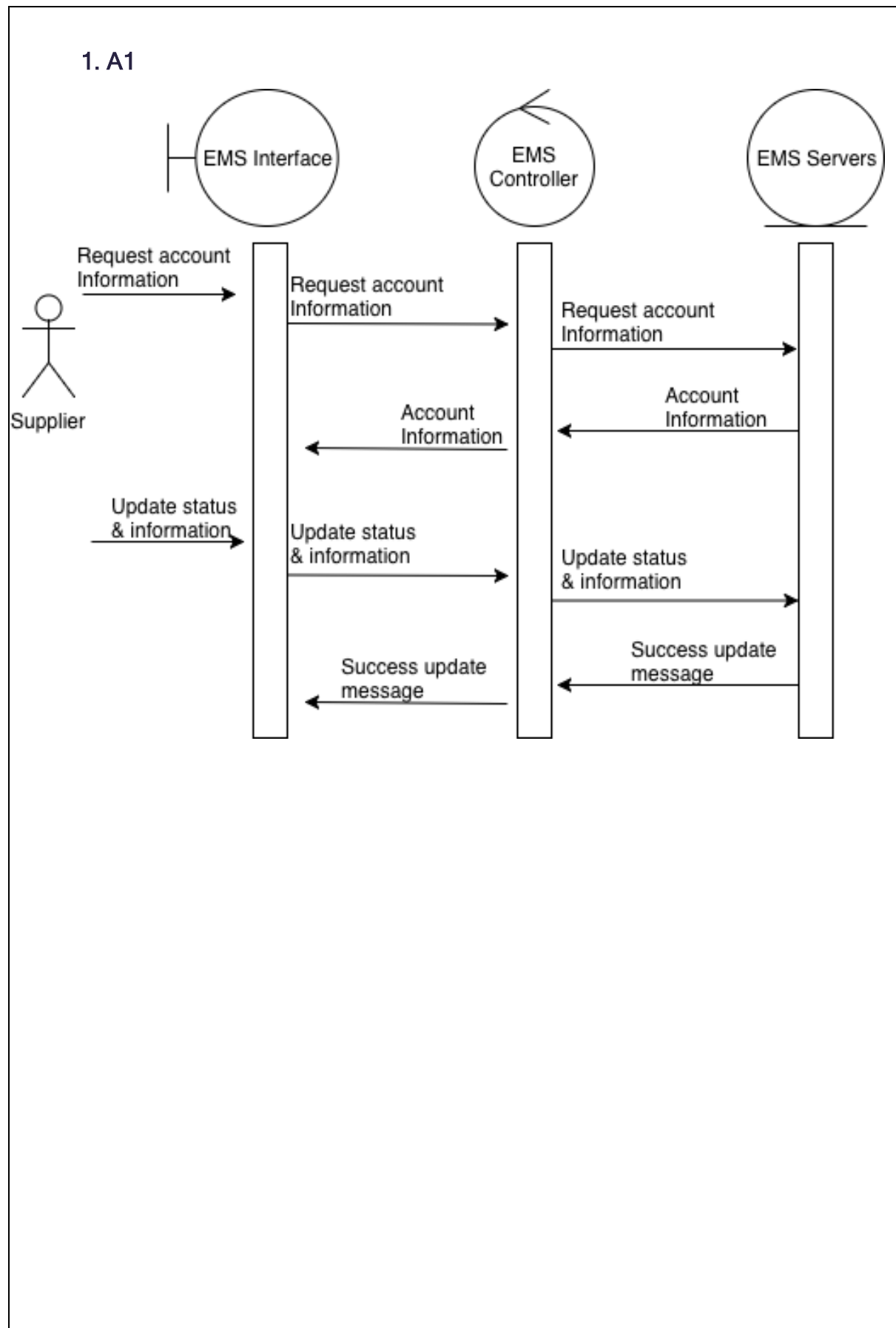| Use Case ID	SRS-REQ-01
Brief Description	This use case will provide 3 differences function based on the user type. User able to create or register as supplier and updates the status of supplier. Former customer able to give any feedback to give rating for the suppliers. System administrator can approve the account that register by supplier.
Actor	Customer, Supplier, System administrator.
Pre-Condition	The Customer and system administrator must login to system. The customer is completed the payment process before rating.
Basic Flow	1. The use case begins when a user want register as a supplier. [SRS-REQ-101] 2. The user clicks on register as supplier. 3. The user need to fill all the information that required from system. 4. The user clicks to <<Sign Up>> button. 5. The registration done and need to wait for approved from system administration. [A3: Approve account] 6. The use case end.

Alternative Flow	A1: Update status of supplier [SRS-REQ-102]
	1. The supplier clicks on account information.
	2. The supplier edits the information and status of its account.
	3. The supplier can click on <<update>> button or <<back>> button.
	4. If<<update>> button clicked
	    The information and status will be updated.
	   Else if <<back>>button clicked
	    The system will jump out to previous page.
	A2: Rating supplier [SRS-REQ-103]
	1. The former customer clicks on Rating button.

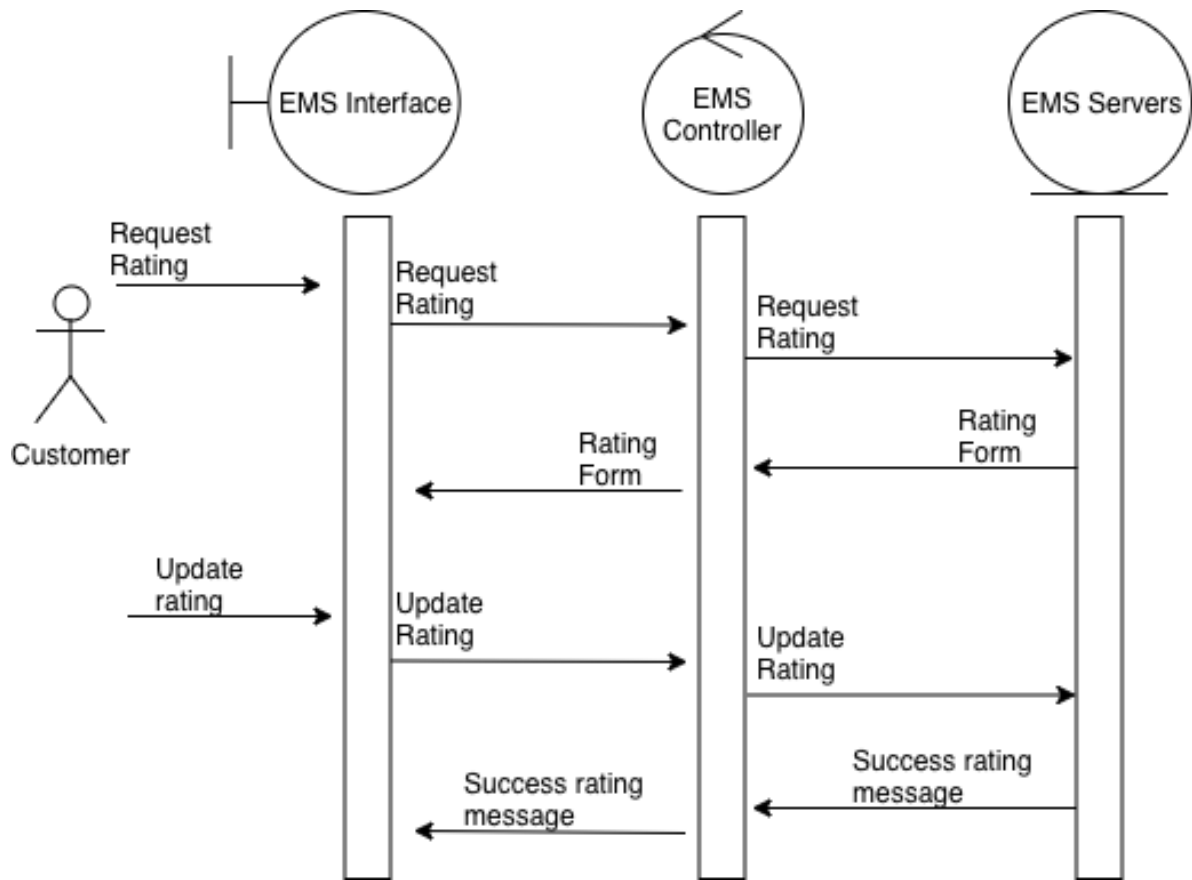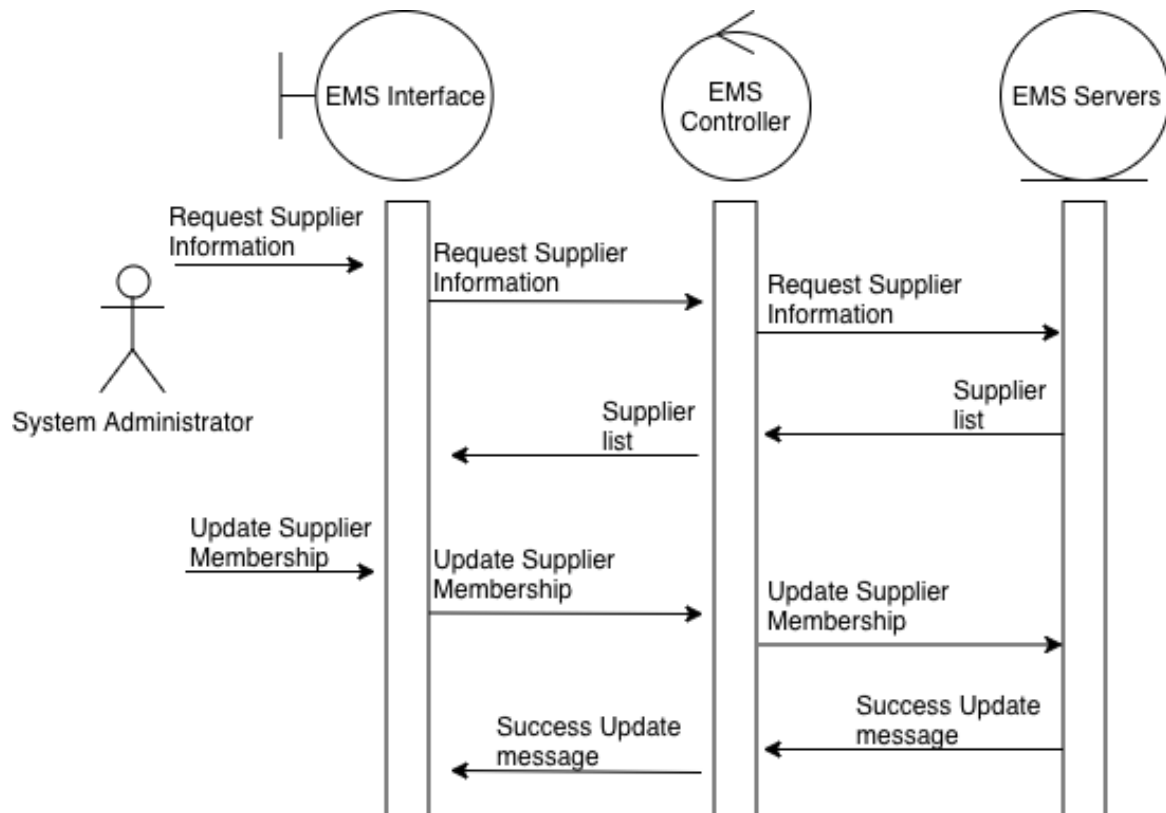|	

	2. The system will appear the purchased product that haven't rating yet.
	3. The customer can click on purchased product that he/she want to rate.
	4. The customer can rate by giving star (1-5 star) and comments.
	5. The customer can click on <<confirm>> button or <<back>> button.
	6. If <<confirm>> button clicked
	   The rated product will be updated to system
	  Else if <<back>>button clicked
	   The system will jump to previous pages.
	A3: Approve account [SRS-REQ-104]
	1. The system administrator clicks on supplier button.
	2. System will show the information of all suppliers by table.
	3. The system administrator can approve or reject the account.
	4. If <<approve>> button clicked
	   The selected account is activated.
	  Else if <<back>>button clicked
	   The system will jump to previous pages.

Exception Flow	E1: User did not fill in suitable information during registration as supplier. 1. The system will notice the user by notification. E2: Customer didn't rating and click on confirm button. 1. The system will notice the user by notification.

Post Condition	Supplier
	 1. The account is successful register.
	Customer
	  1. The rating for purchased product is successful.
	System Administration
	  1. The supplier's account activated or rejected successful.

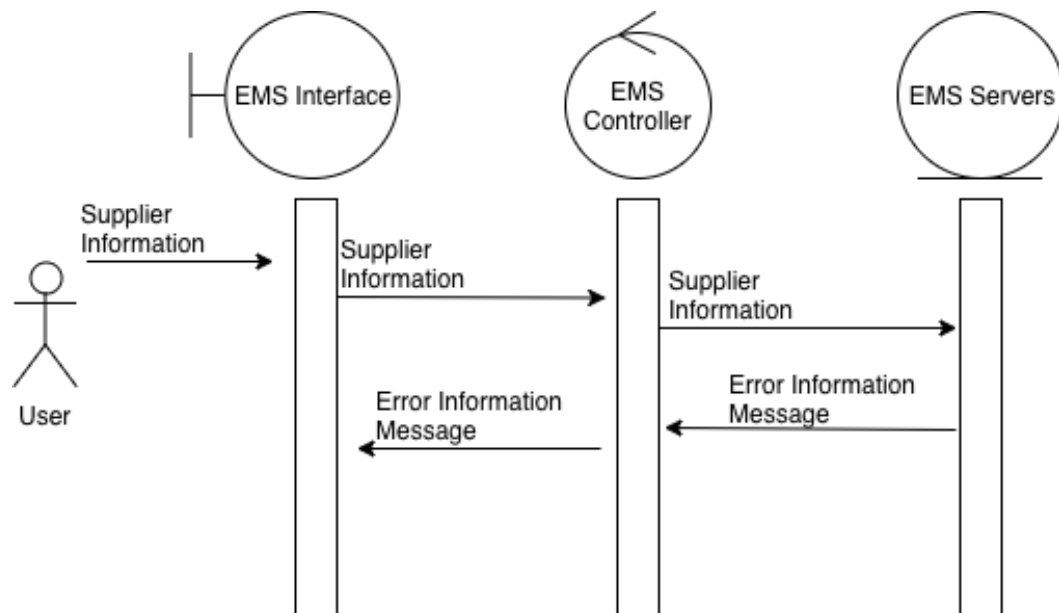## Sequence Diagram

Basic Flow
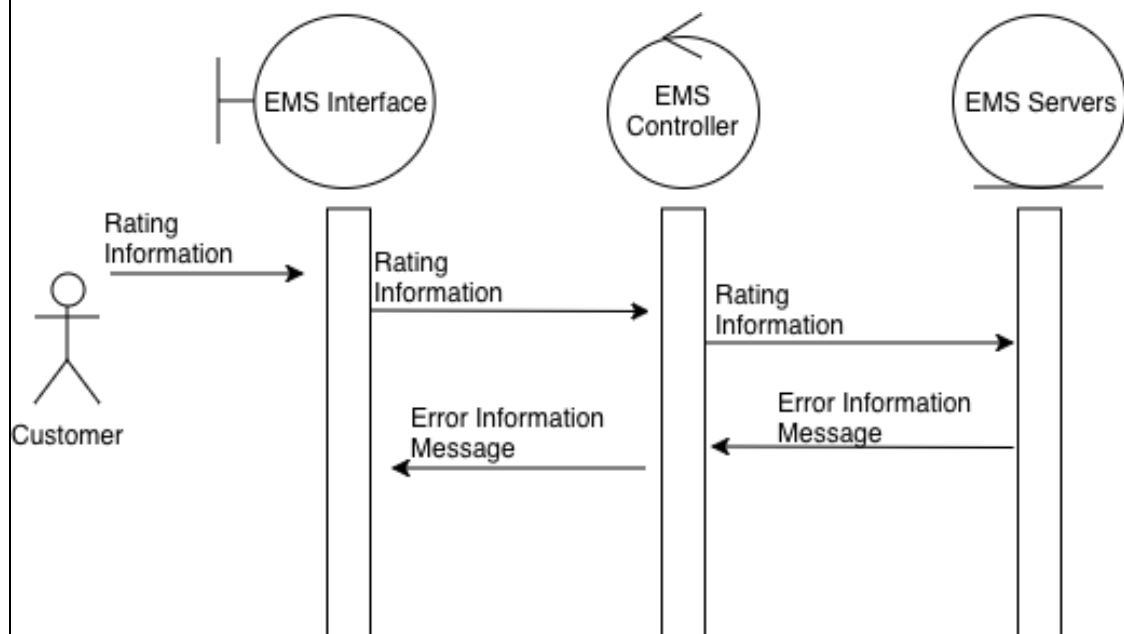
Alternative Flow

1. A1

2.A2

3. A3

Exception Flow

1. E1

2. E2

Graphical User Interfaces

Progress Registration supplier

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Supplier

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Log Out

Login

Login as Supplier

User Name: Tan

Password : ****************

☐ Remember password

New Supplier? Register

LOGIN

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Log Out

Supplier > Register

Register As Supplier

Supplier Type: ⦿ Individual   ○ Corporate   Phone Number: 011-12345678

SSM NO: Bk-123456

Company Name: Annie Bakery

Email Address : anniebakery@gmail.com   Already member? Login

Password : ****************   *Password must at least 8 characters.

Confirm Password : ****************

SIGN UP

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Log Out

Supplier > Register

Register As Supplier

Supplier Type: ⦿ Individual   ○ Corporate   Phone Number: 011-12345678

SSM

Company Na

Email Addr

Thank you ! Registration Success !
Waiting approved from Admin.

Login

Password : ||||||||||||||||||| *Password must at least 8 characters.

Confirm Password :   ****************

SIGN UP

Progress update information and status supplier

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Log Out

Supplier > Account Information

Account Information

Supplier Type: ⦿ Individual   ○ Corporate   Phone Number: 011-12345678

SSM NO: Bk-123456

Company Name: Annie Bakery

Email Address :   anniebakery@gmail.com   Already member? Login

Password :   ****************   *Password must at least 8 characters.

Confirm Password :   ****************

Status : ⦿ Active   ○ De-Active

CANCELLED   UPDATE

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Supplier > Account Information

Account Information

Supplier Type: ⦿ Individual   ○ Corporate   Phone Number: 011-12345678

SSM NO :

Company Name :

Email Address :   login

Password :   characters.

Confirm Password : ****************

Thank you ! Update Success !
Redirecting to previous page.

Status : ⦿ Active   ○ De-Active

CANCELLED   CONFIRM

Progress Rating Supplier

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Customer

Event

Equipment

Analytic & Tracking

Log Out

Customer > Rating

Rating product

Un-rate purchased product					
	Name	Order Number	Quantity	Price	Status
	Chocolate Fountain Cake	7878978	1	RM400	*Un-rate*
	Red & White Pillar Wedding Cake	4848948	1	RM500	*Un-rate*

BACK

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Customer

Event

Equipment

Analytic & Tracking

Log Out

Customer > Rating

Rating product

Order ID   : E0002
Name   : Cake
Quantity   : 11
Price   : RM300

Rating   : ★ ★ ★ ★ ★

Comments   :

CANCELLED   CONFIRM

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CUSTOMER

Customer

Event

Equipment

Analytic & Tracking

Log Out

Customer > Rating

Rating product

Order ID   : E0002
Name   : Cake
Quantity
Price

Rating

Comments

Thank you ! Rating Success !
Redirecting to previous page.

CANCELLED   CONFIRM

Progress Approved Account

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Admin

Event

Equipment

Analytic & Tracking

Log Out

Admin > Supplier

Supplier Detail

No.	Supplier	Supplier Type	SSM No	Phone Number	Status	Action
1.	Birthday SDN BHD	Corporate	Bk123123	01123123123	Approved	*Reject*
2.	Wedding SDN BHD	Corporate	Bk123123	0123243424	Reject	*Approve*

To Reject or Approve Account

BACK

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Admin

Event

Equipment

Analytic & Tracking

Log Out

Admin > Supplier

Supplier Detail

No.	Supplier	Supplier Type	SSM No	Phone Number	Status	Action
1.	Bir... SD...					*Reject*
2.	We... SD...					*pprove*

Thank you ! Approved Success !
Redirecting to previous page.

To Reject or Approve Account

BACK

Requirement Traceability

Use Case ID	Requirement ID	Description
SRS-REQ-01	SRS-REQ-101	The system shall allow the user to register as supplier.
	SRS-REQ-102	The system shall allow suppliers to update its information and status.
	SRS-REQ-103	The system shall able to allow the former customer to rating its purchased products.
	SRS-REQ-104	The system shall allow the system administrator to approve the membership of supplier.

MODULE 2 [FATIN NAJIHAH BINTI SABRI]

Use Case Description

Use Case ID	SRS-REQ-02
Brief Description	Customer or event organizer could view and choose any related event package that offered by any supplier. Besides, they could also post or send question to the supplier. For supplier, they could add and update their event package offered.
Actor	Customer, Event organizer, Supplier
Pre-Condition	Customer, Event organizer and Supplier successfully logon into event management system.

Basic Flow	Actor: Customer, Event organizer
	The use case begins
	1. Customer choose event category. **[A1: Choose event organizer]**
	2. Customer or event organizer view the related event package.
	3. Customer or event organizer able to:
	   a. Choose package. **[A2: Choose package]**
	   b. Send message. **[A3: Message supplier]**
	4. Customer or event organizer click at the <<CONFIRM>> button.
	The use case ends.
	
	Actor: Supplier
	The use case begins
	1. Supplier access the main page of the system.
	2. Supplier able to:
	   a. Add new package **[A4: Add package]**
	   b. View message **[A5: View message]**
	   c. Update package. **[A6: Update package]**
	The use case ends.

Alternative Flow	**[A1: Choose event organizer]** 1. Customer click at the <<Event Organizer>> button. 2. Customer choose event category. 3. Customer choose event organizer.

4. The system send the email to event organizer that was chosen by customer.
5. Back to step 2 in Basic Flow of actor customer, event organizer.

[A2: Choose package]
1. Customer or event organizer choose date and place
2. If the date is available **[E1: Date not available]** and place **[E2: Place not available]**, the user clicked at the <<ADD BOOKING>> button.
3. Back to step 4 in Basic Flow of actor customer, event organizer.

[A3: Message supplier]
1. Customer or event organizer click at the 'message' icon.
2. Customer or event organizer input their message to deliver to the supplier.
3. Customer or event organizer click at the <<SEND>> button.
4. Back to step 2 in Basic Flow of actor customer, event organizer.

[A4: Add package]
1. Supplier select <<ADD PACKAGE>>
2. Supplier choose package category and key-in the details about the new package offered.
3. Supplier click at the <<UPDATE >> button.
4. Back to step 1 in Basic Flow of actor supplier.

[A5: View Message]
1. Supplier click at the 'inbox' icon.
2. Supplier able to view all the message that was sent to them.
3. Supplier reply the message by clicking at the <<REPLY>> button.
4. Supplier click at the <<SEND>> button.
5. Back to step 1 in Basic Flow of actor supplier.

[A6: Update package]
1. Customer or event organizer choose the package that has been added before.
2. Customer or event organizer click <<EDIT>> button.
3. Customer or event organizer edit the information.
4. Customer or event organizer click at the <<UPDATE>> button.

	5. Back to step 1 in Basic Flow of actor supplier.
Exception Flow	[E1: Date not available] 1. Customer or event organizer choose a new date for booking. 2. The system check the availability of that date. 3. The use case continues to step 2 in alternative flow A1. [E2: Place not available] 1. Customer or event organizer choose the new place for booking. 2. The system check the availability of that place. 3. The use case continues to step 2 in alternative flow A1.
Post Condition	For the customer or event organizer, the booking is success and updated. while for the supplier, the new package is updated.

Sequence Diagram

Basic Flow
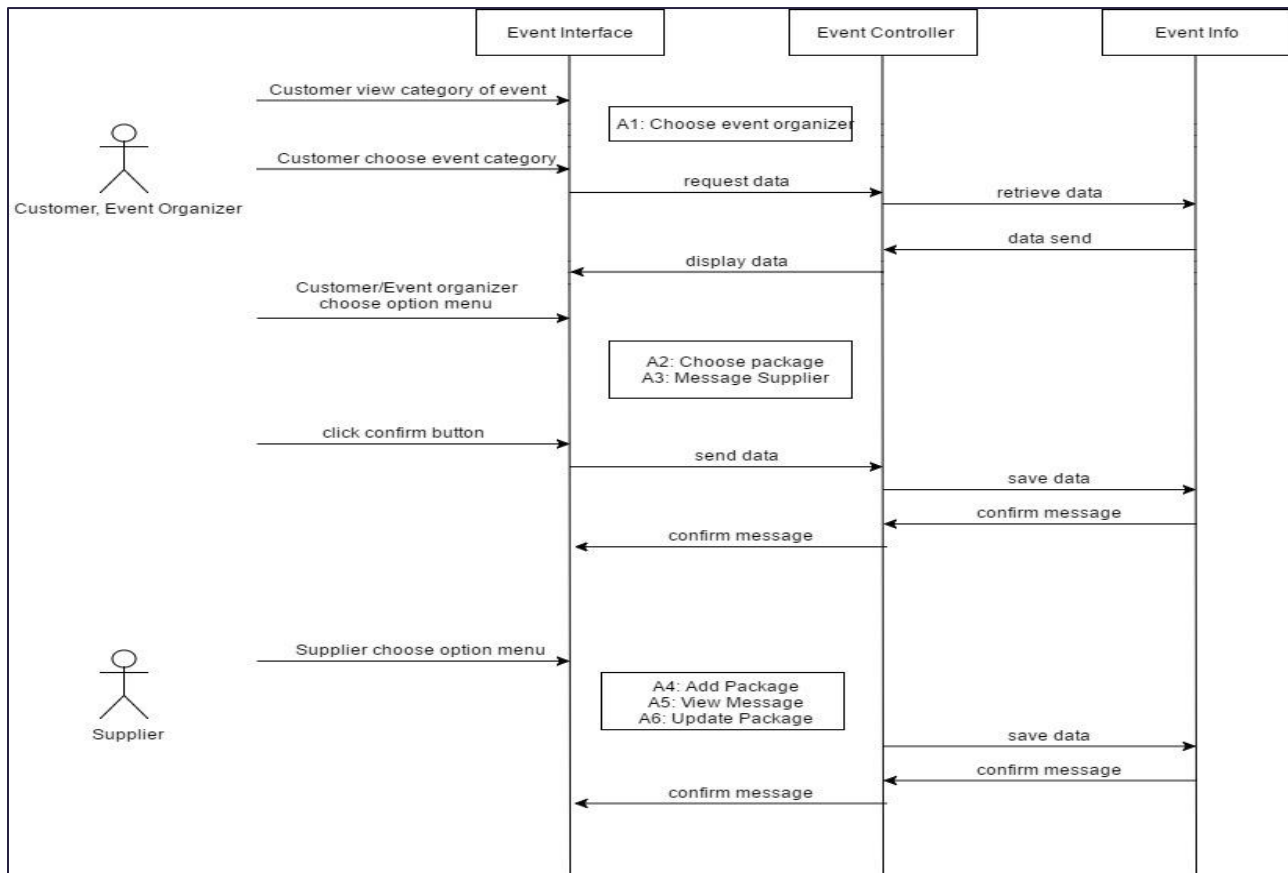
Alternative Flow - **A1: Choose Event Organizer**
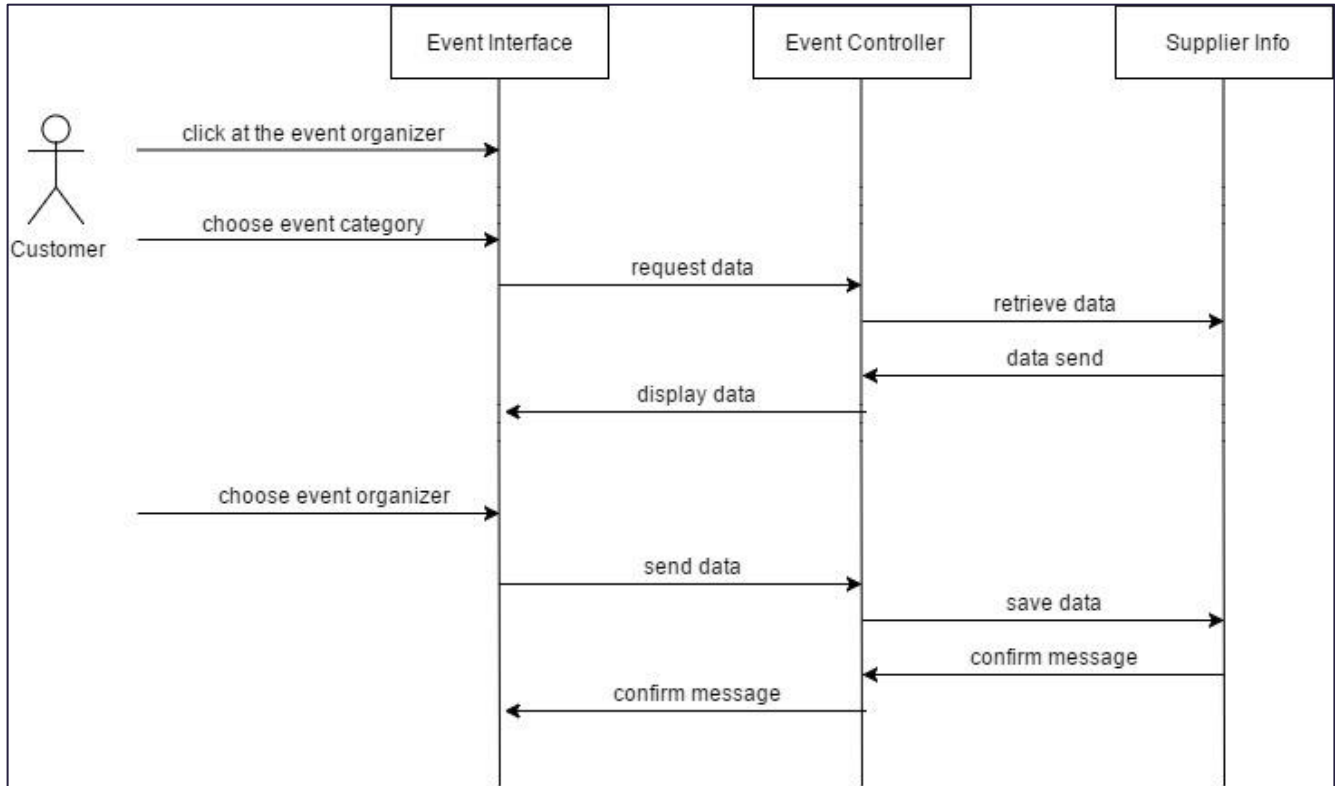
A2: Choose Package

A3: Message Supplier

Sequence diagram with actor "Customer, Event Organizer" and objects Event Interface, Event Controller, Supplier Information.
- Customer, Event Organizer → Event Interface: click "Ask a Question" button
- Customer, Event Organizer → Event Interface: send message
- Event Interface → Event Controller: send data
- Event Controller → Supplier Information: save data
- Supplier Information → Event Controller: confirm message
- Event Controller → Event Interface: confirm message

A4: Add package

Sequence diagram with actor "Supplier" and objects Event Interface, Event Controller, Event Info.
- Supplier → Event Interface: select booking button
- Event Interface → Event Controller: request data
- Event Controller → Event Info: retrieve data
- Event Info → Event Controller: data send
- Event Controller → Event Interface: display data
- Supplier → Event Interface: choose package category
- Supplier → Event Interface: click update button
- Event Interface → Event Controller: send data
- Event Controller → Event Info: save data
- Event Info → Event Controller: confirm message
- Event Controller → Event Interface: confirm message

A4: View message

A5: Update package

Exception Flow – E1: Date not available

Event Interface • Event Controller • Event Info

Customer, Event Organizer

choose day
check availability
save data
confirm message
confirm message

E2: Place not available

Event Interface • Event Controller • Event Info

Customer, Event Organizer
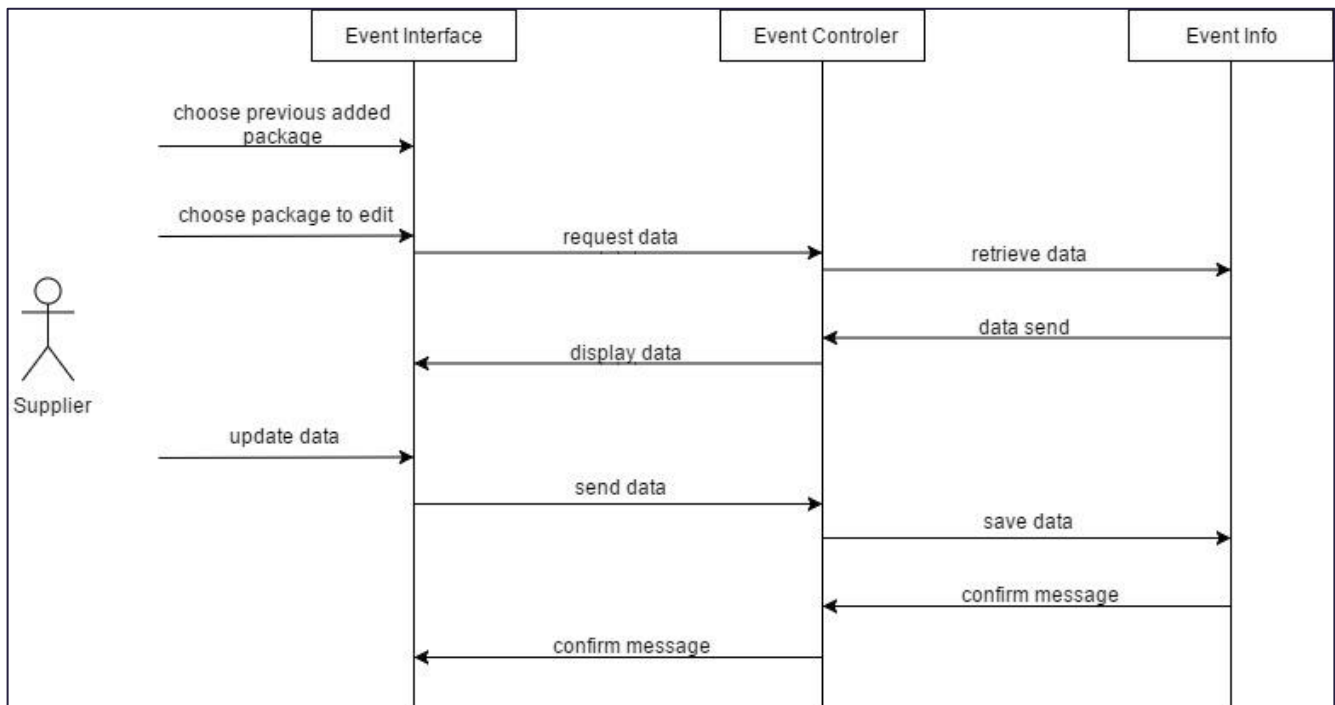
choose place
check availability
save data
confirm message
confirm message
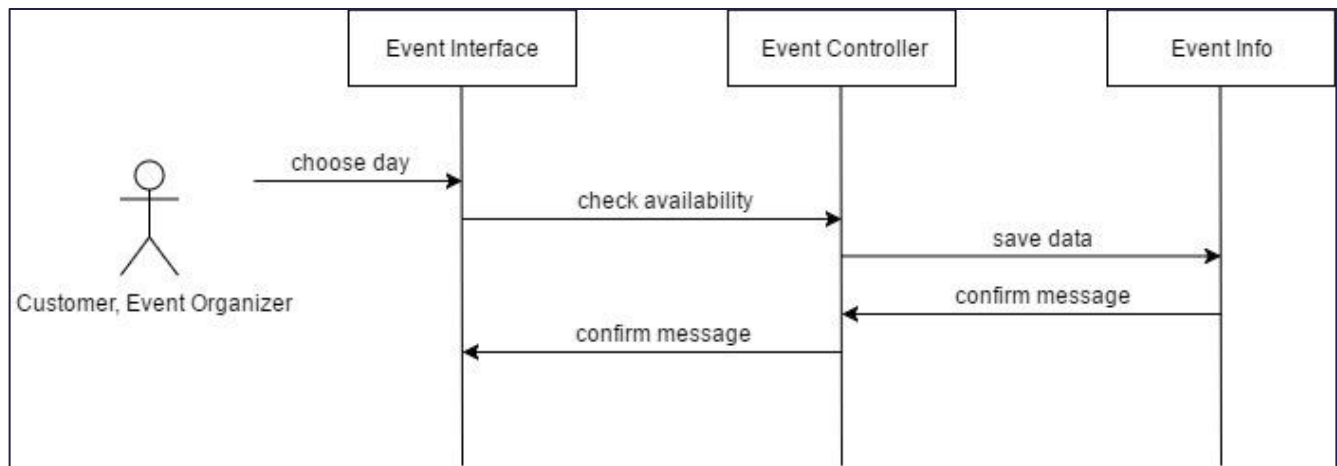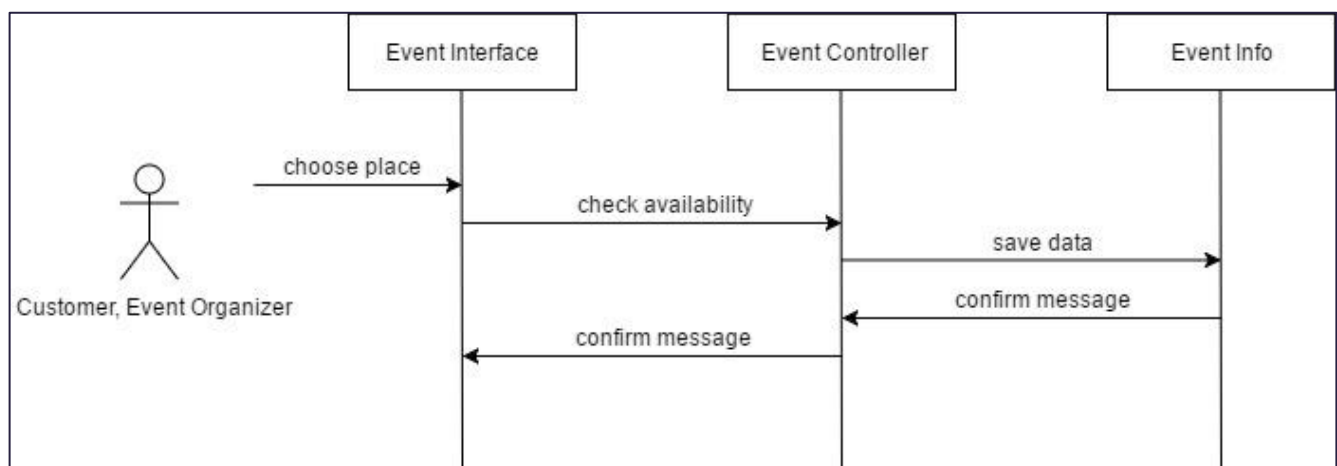
Graphical User Interfaces
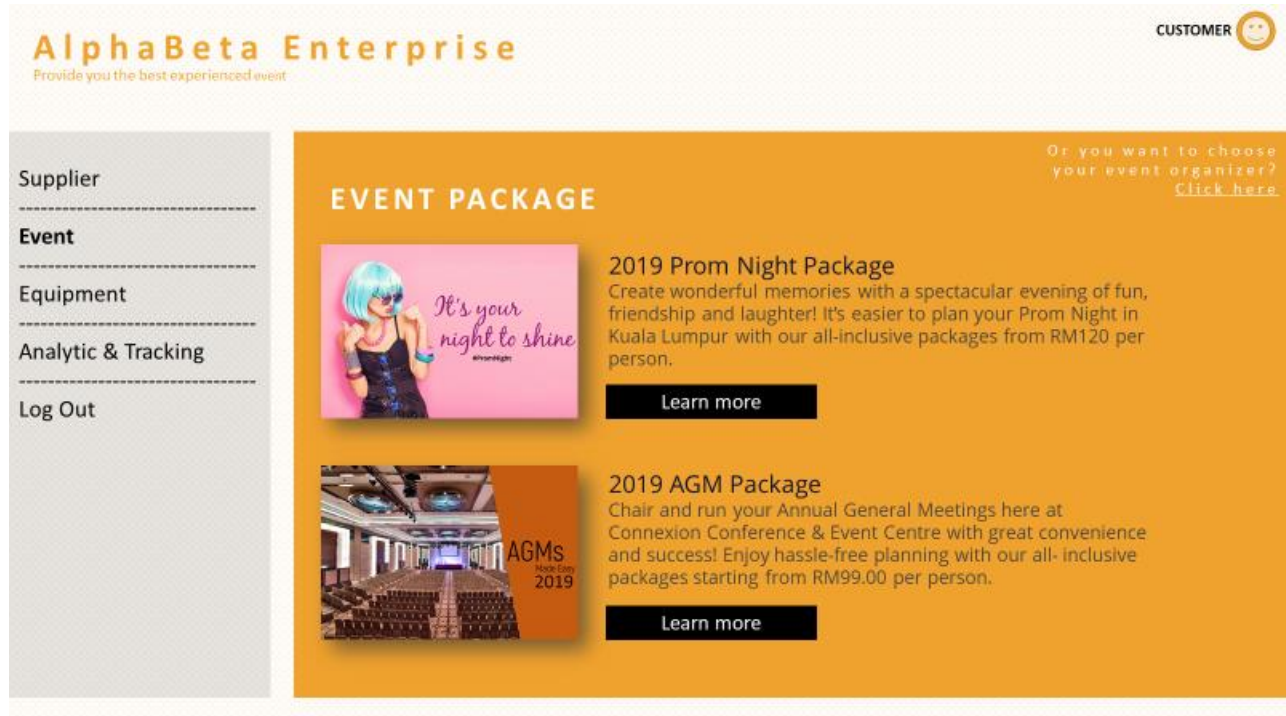
Figure 2.1 - View Package
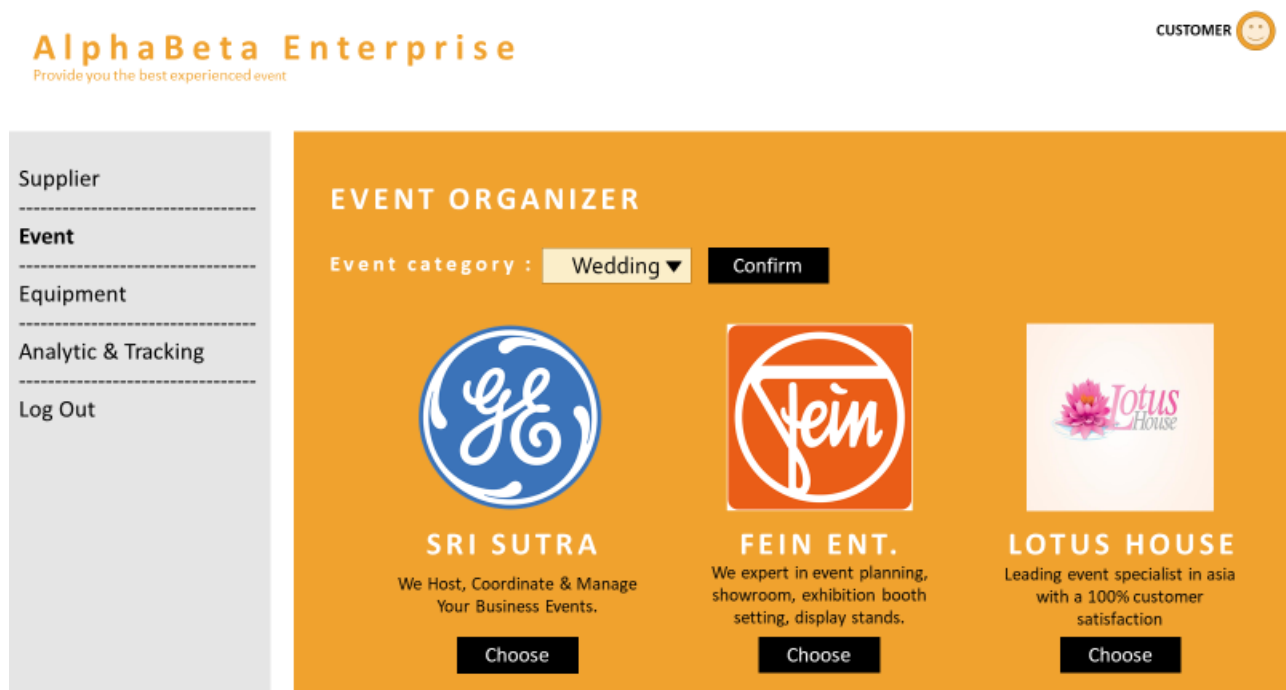
Figure 2.2 – Choose event organizer
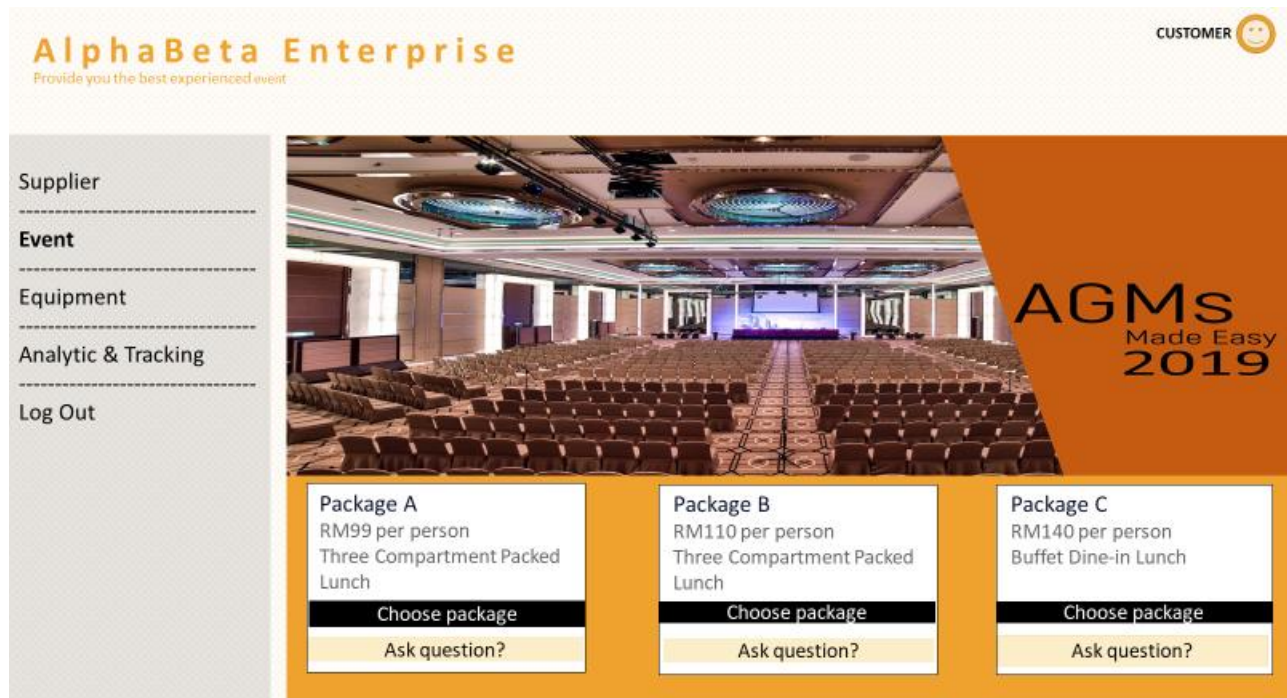
Figure 2.3 – Choose package
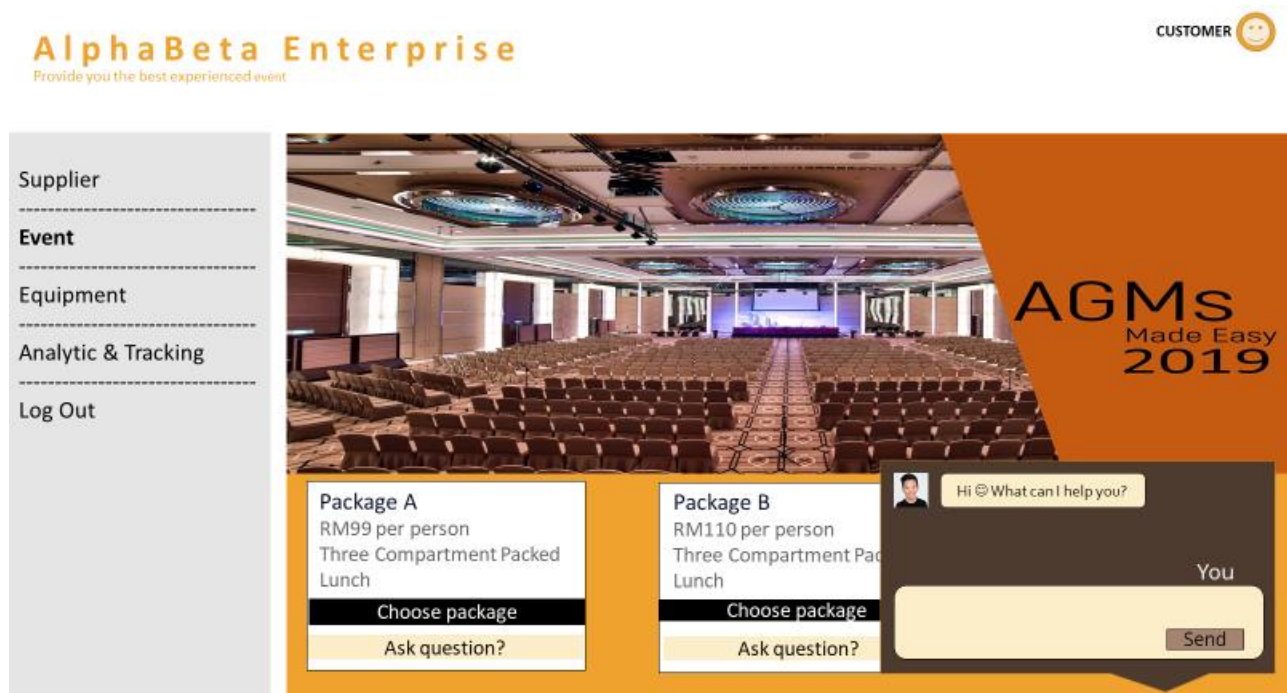
Figure 2.4 – Message supplier

Figure 2.5 – Confirm booking

Figure 2.6 – View added pckage

Figure 2.7 - Add new package

Figure 2.8 - View message

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EDIT PACKAGE

*Change poster

Upload New Poster

*Edit Details

Title

2019 Prom Night Package

Details

Create wonderful memories with a spectacular evening of fun, friendship and laughter! It's easier to plan your Prom Night in Kuala Lumpur with our all-inclusive packages from RM120 per person.

Update

Figure 2.9 – Update package

Requirement Traceability

Table 2.1 – Requirement Traceability of Manage Event

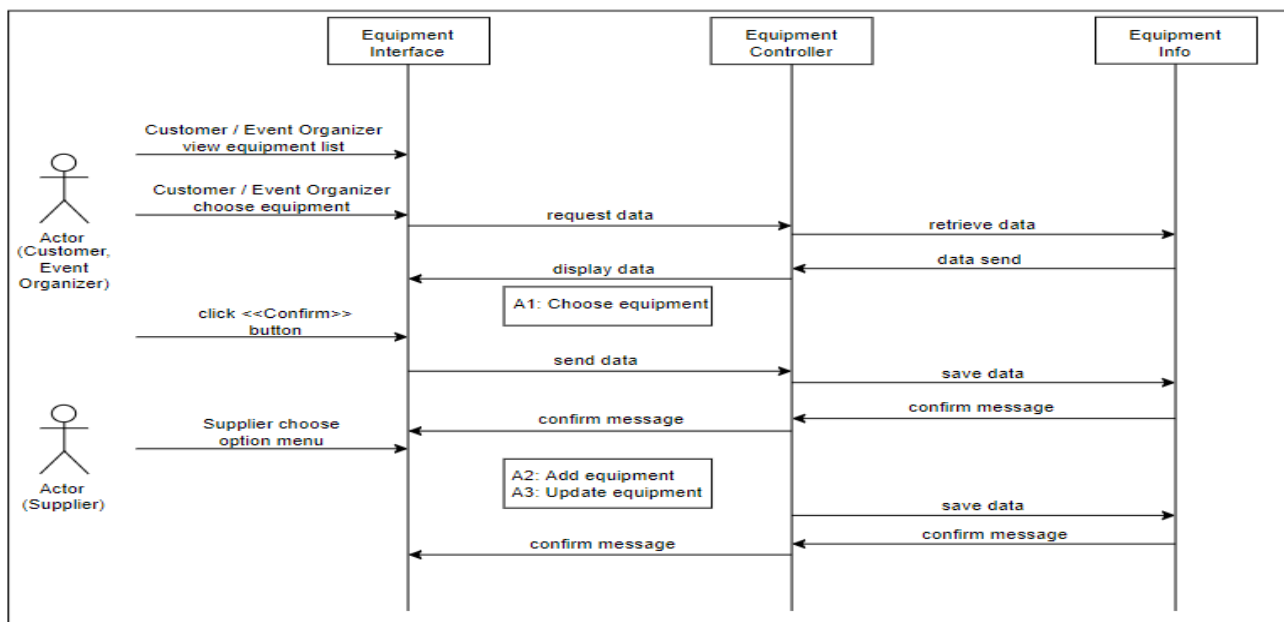| Use Case ID	Requirement ID	Description
SRS-REQ-02	SRS-REQ-201	Customer can choose category of event and event organizer.
	SRS-REQ-202	Customer or event organizer can view all related package offered by the supplier.
	SRS-REQ-203	Customer or event organizer can choose package by choosing date and place.
	SRS-REQ-204	Customer or event organizer can send message to the supplier by clicking at the "Ask question" button.
	SRS-REQ-205	Customer or event organizer can choose new date for booking if the chosen date is not available.
	SRS-REQ-206	Customer or event organizer can choose new place for booking if the chosen place is not available.
	SRS-REQ-207	Supplier can add new package by uploading the poster and enter the details about the new package.
	SRS-REQ-208	Supplier can update the package that has been added by editing the details about the chosen package.
	SRS-REQ-209	Supplier can view and reply the message that was sent by the customer or event organizer.

MODULE 3 [AMIRAH NAJIHAH BINTI AMRI]

Use Case Description

Use Case ID	SRS-REQ-03
Brief Description	Customer or Event Organizer could reserve any equipment that offered by Supplier. For Supplier, they could add and update their equipment offered.
Actor	Supplier, Customer, Event Organizer
Pre-Condition	1. The Customer or Event Organizer is a registered user. 2. The Customer or Event Organizer had requested to reserve equipment.

Basic Flow	Actor 1 Flow: Customer, Event Organizer
	The use case begins
	1. User view equipment list.
	2. User choose the equipment offered. **[A1: Choose equipment]**
	3. User click at the <<Confirm>> button.
	The use case ends.
	
	Actor 2 Flow: Supplier
	The use case begins
	1) Supplier access the main page of the system.
	2) Supplier able to:
	    a. Add new equipment. **[A2: Add equipment]**
	    b. Update equipment. **[A3: Update equipment]**
	The use case ends.

Alternative Flow	**[A1: Choose equipment]** 1. User choose equipment. 2. If the equipment available, **[E1: Equipment not available]** the user clicked at the <<Add Booking>> button. 3. Back to step 3 in basic flow of actor Customer, Event Organizer.

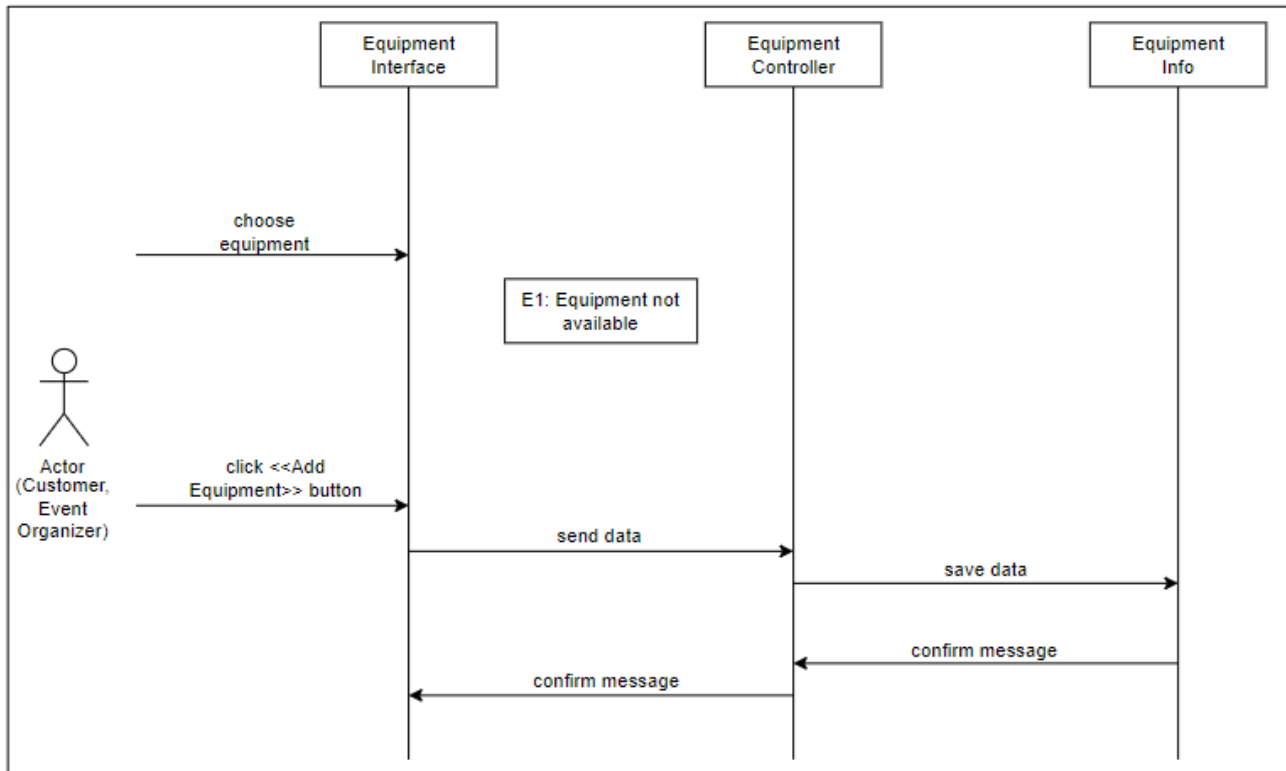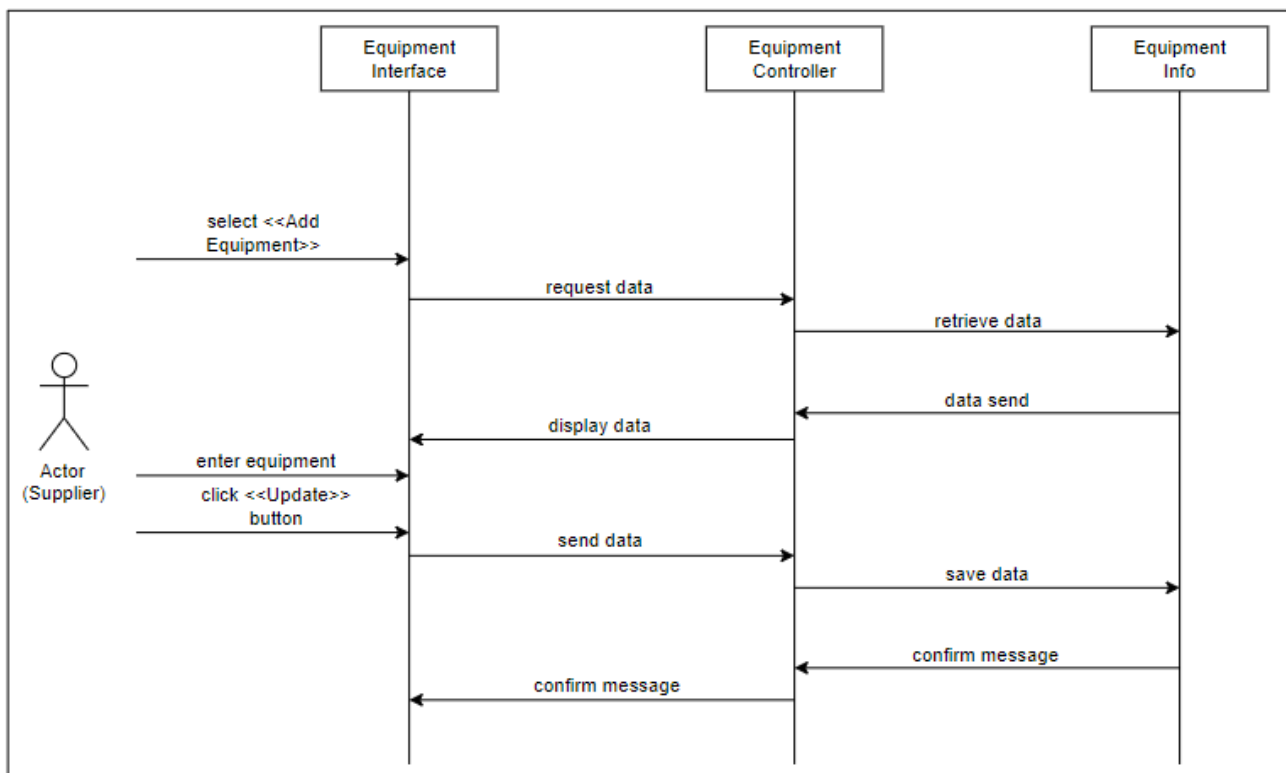|	
	[A2: Add equipment] 1. Supplier select <<Add Equipment>> 2. Supplier key-in the new equipment. 3. Supplier click at the <<Update>> button. 4. Back to step 1 in basic flow of actor Supplier. **[A3: Update equipment]** 1. Supplier choose the equipment that has been added before. 2. Supplier click <<Edit>> button. 3. Supplier edit the information. 4. Supplier click at the <<Update>> button. Back to step 1 in basic flow of actor Supplier.
Exception Flow	**[E1: Equipment not available]** 1. The System displayed <<Not Available>> 2. User choose a new equipment for reserve. 3. The system check the availability of that equipment. Continues to step 2 in alternative flow A1.
Post Condition	Customer or Event Organizer must submit the request.

Sequence Diagram

Basic Flow

Alternative Flow - A1: Choose equipment
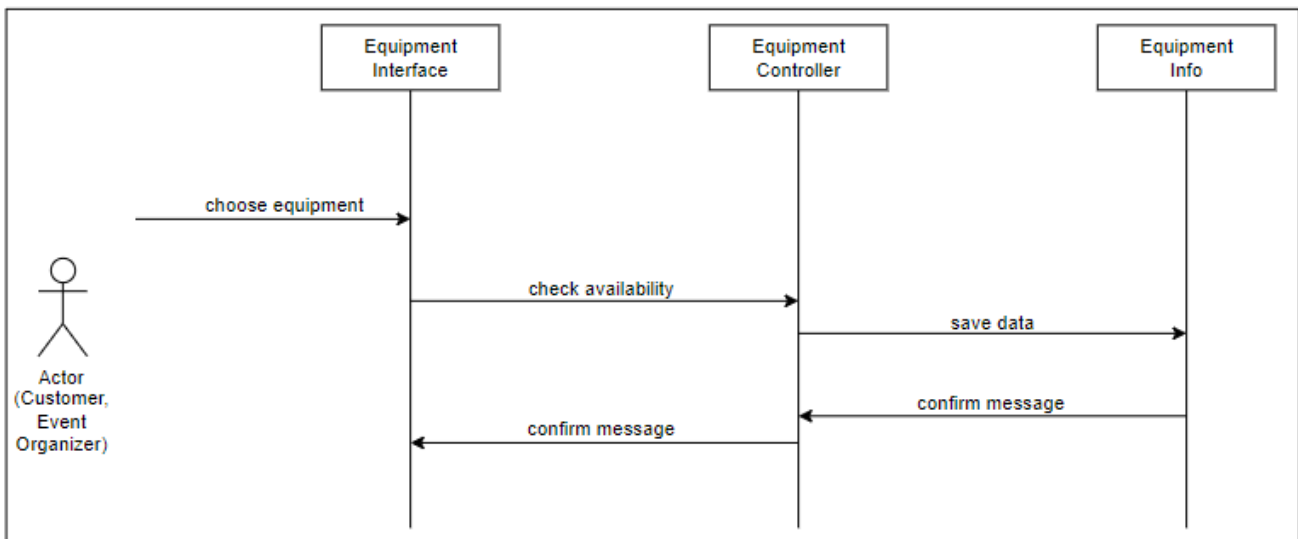

A2: Add equipment

A3: Update equipment
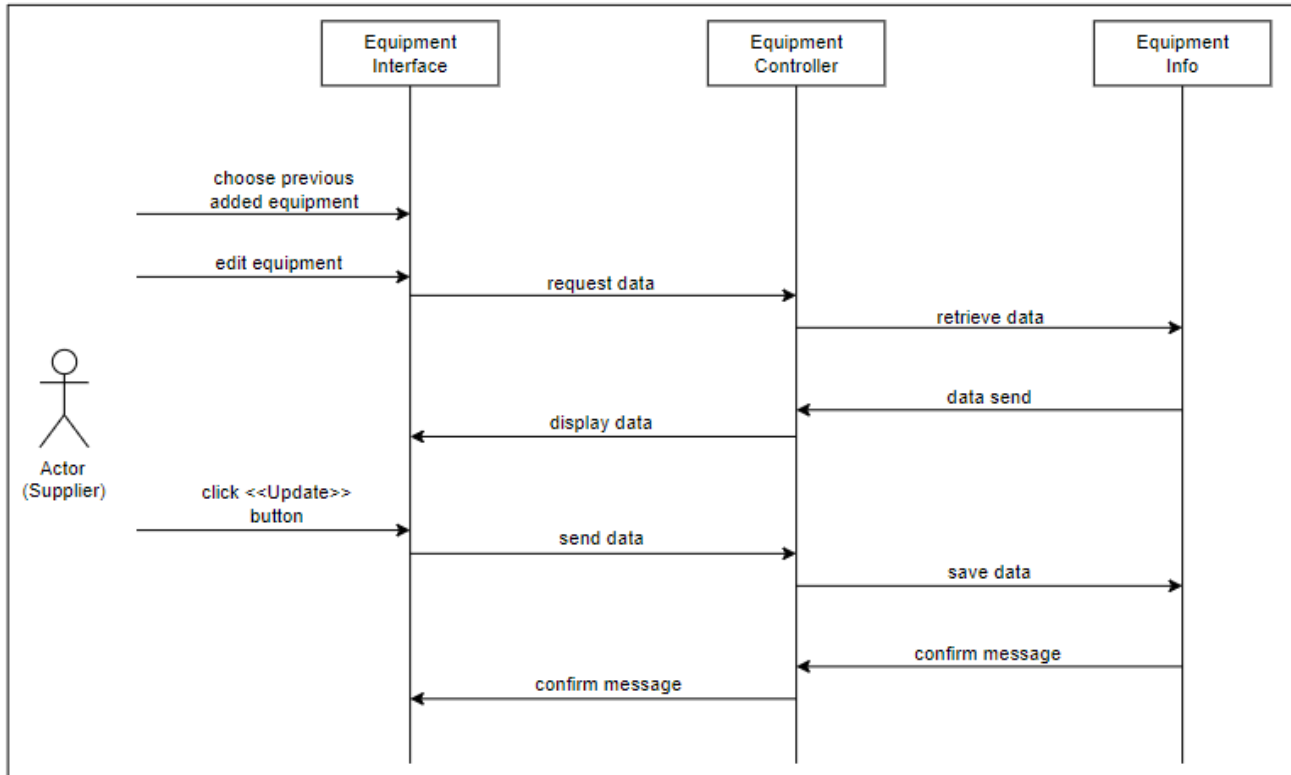
Exception Flow – E1: Equipment not available

Graphical User Interfaces
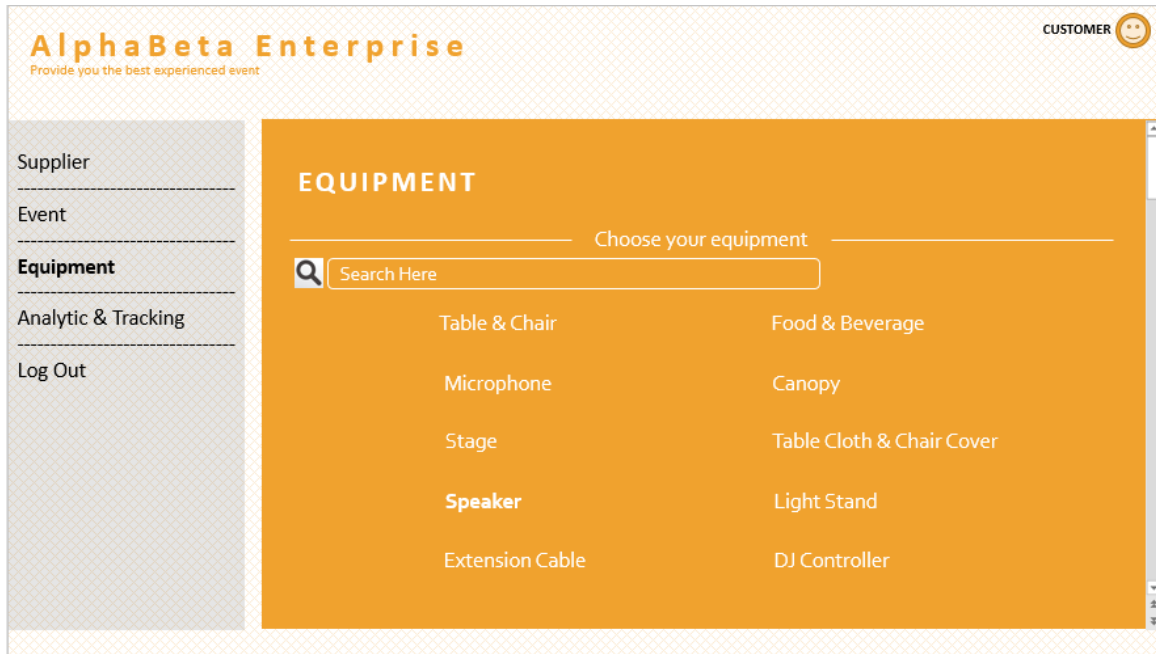
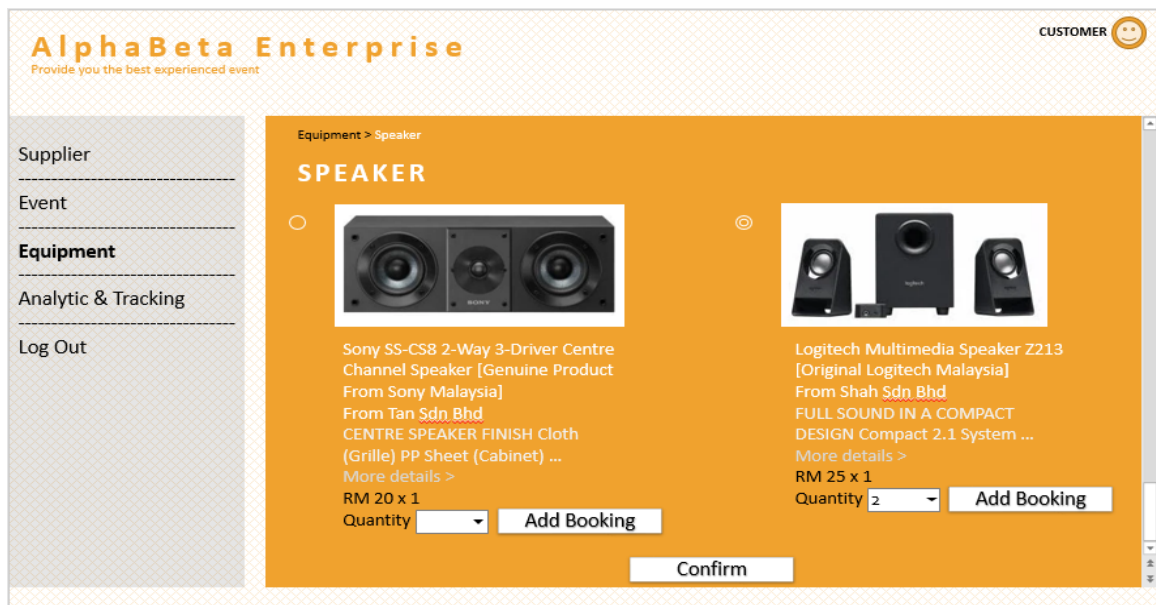Actor – Customer, Event Organizer

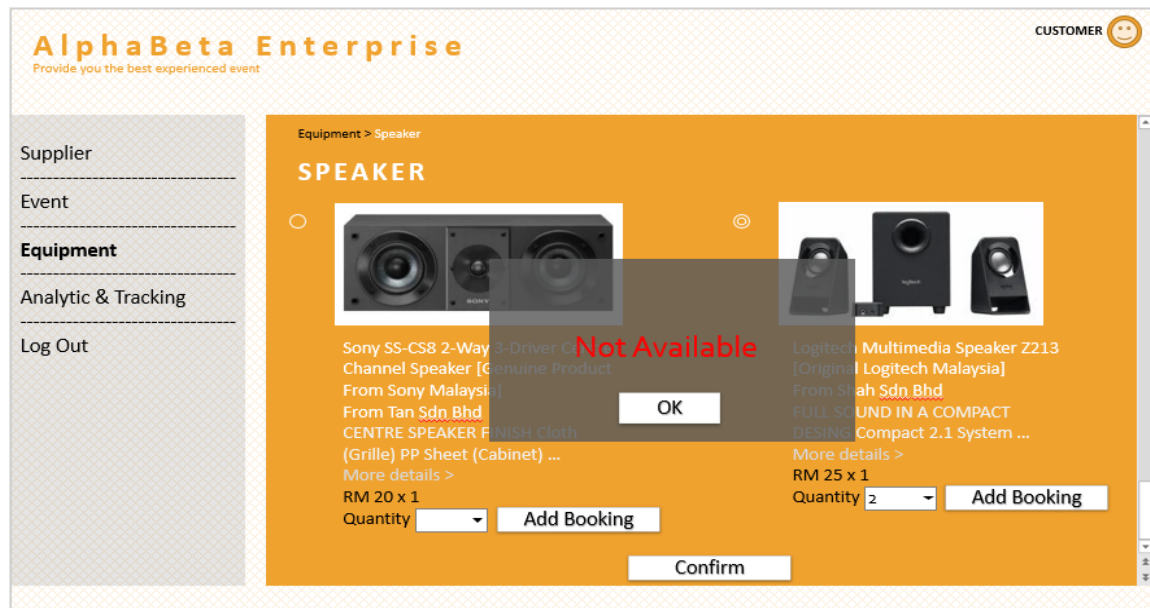Diagram 3.1 Equipment List Page

Diagram 3.2 Choose Equipment Page
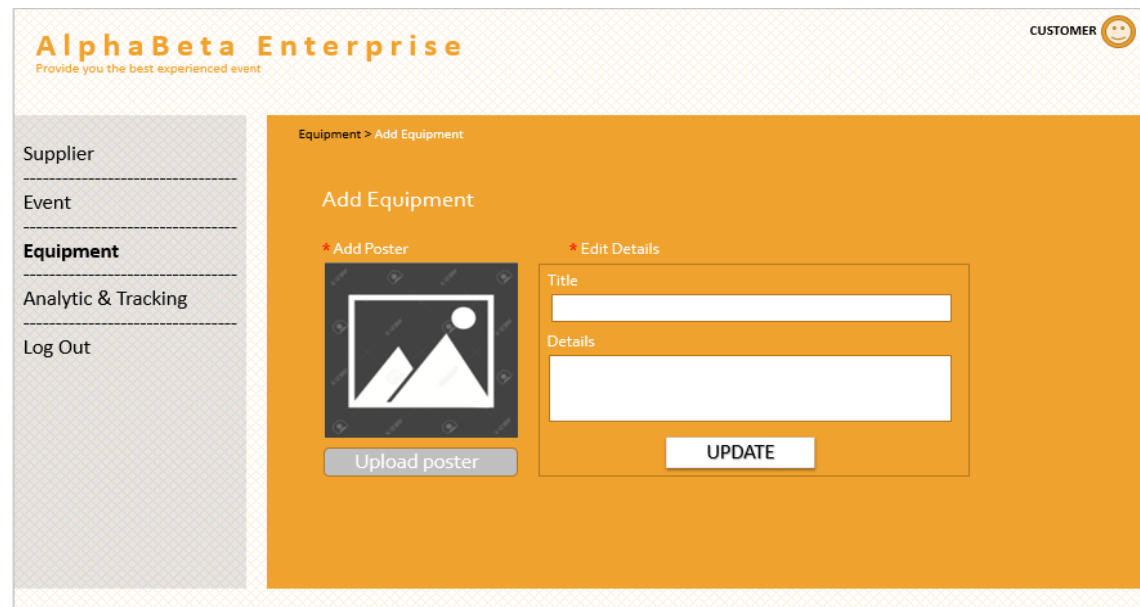
Diagram 3.3 Equipment Not Available Page

Actor – Supplier

Diagram 3.4 Add Equipment Page

Diagram 3.5 Update Equipment Page

Requirement Traceability

Table 3.1 – Requirement Traceability of Manage Equipment

| Use Case ID	Requirement ID	Description
SRS-REQ-03	SRS-REQ-301	Customer or event organizer can view equipment offered by the supplier.
	SRS-REQ-302	Customer or event organizer can choose equipment.
	SRS-REQ-303	Customer or event organizer can choose new equipment for booking if the chosen are not available.
	SRS-REQ-304	Supplier can add new equipment by enter name and quantity of equipment.
	SRS-REQ-305	Supplier can update the equipment that has been added by editing the details about the chosen equipment.

MODULE 4 [LIEW LI YU]

Use Case Description

|	
Use Case ID	SRS-REQ-04
Brief Description	The use case describes the process of the payment management made by customers and payment is made through online payment gateway.
Actor	Customer, Payment Gateway
Pre-Condition	1. The user must log in to the system. 2. The system must be in a state ready to accept transaction. The system must auto generate the amount of payment based on the selection by customer.

Basic Flow	1. The use case starts when the Customer view event detail.
	2. The system will display the event detail.
	3. The Customer clicks << PAY >> to pay.
	4. The Customer is able to choose payment method.
	    a. Credit card [A1 - Alternative 1]
	    b. Online Banking [A2 - Alternative 2]
	5. The system requests customer to confirm payment. [A3 - Alternative 3].
	6. The payment gateway start transaction. [E1 - Exceptional 1]
	7. The system displays payment detail.
	8. Use case ended.

Alternative Flow	**A1: Credit/Debit card was selected.** 1. Customer selected credit card for payment method. 2. The system requests the customer to select type of card. 3. The payment gateway start transaction. 4. The system record successful payment detail. 5. Use case end.

|	
	A2: Online banking was selected. 1. Customer selected online banking for payment method. 2. The system requests the customer to select bank. 3. The payment gateway start transaction. 4. The system record successful payment detail. 5. Use case end. **A3: Payment cancelled by customer.** 1. Customer cancelled payment. 2. The system record payment status as cancelled. Use case end.
Exception Flow	**E1 : Transaction fails.** 1. Transaction is not success due to undefined problem. 2. The system record payment status as fail. Use case end.
Post Condition	1. The status of payment will automatic updated in the system. The transfer funds transaction was audit in the system log of account bank.

Sequence Diagram

Basic Flow
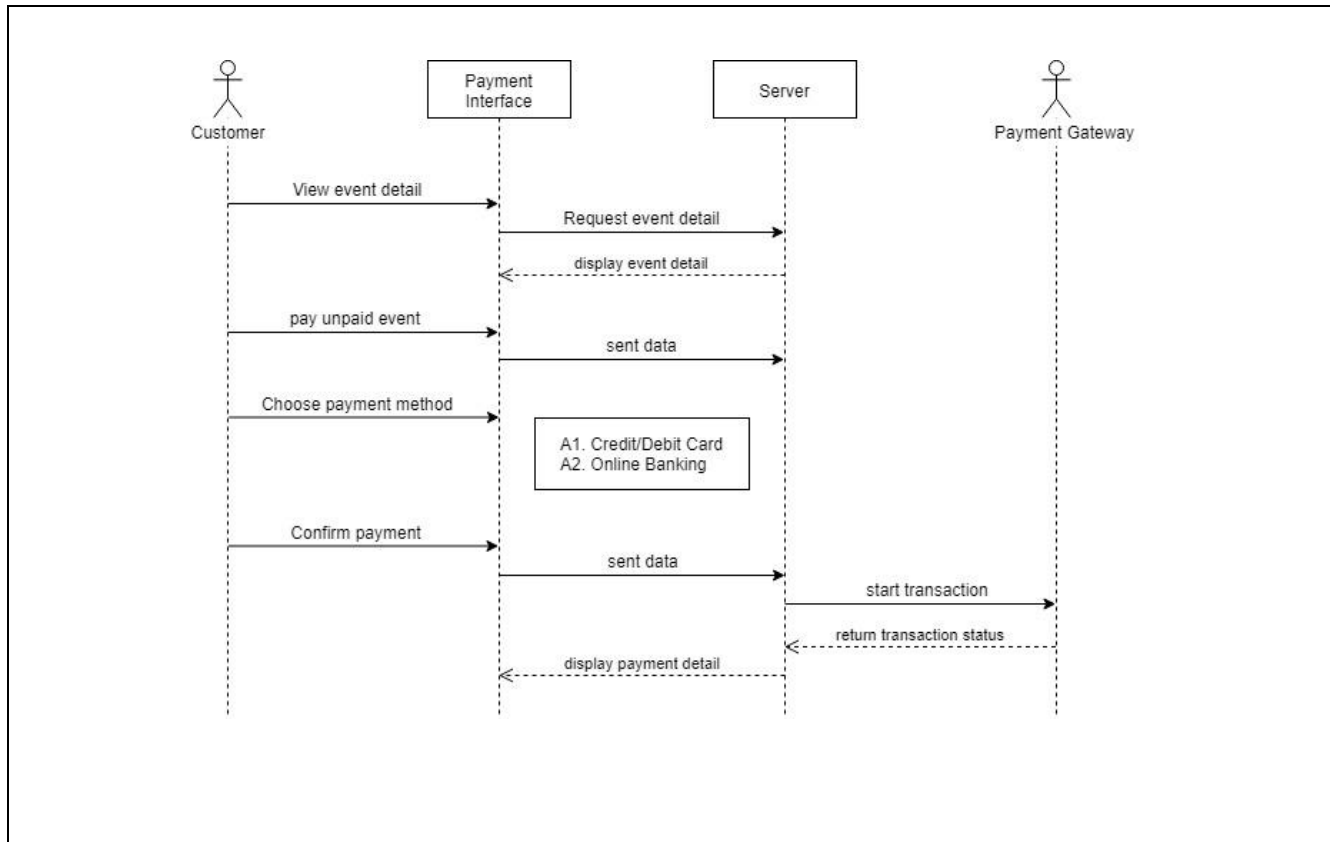
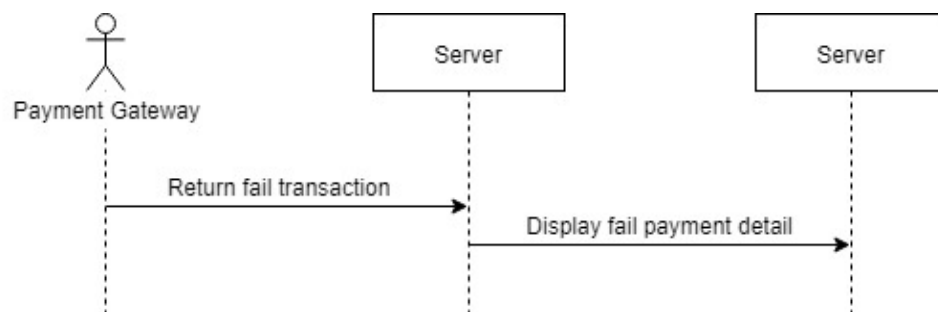Alternative Flow
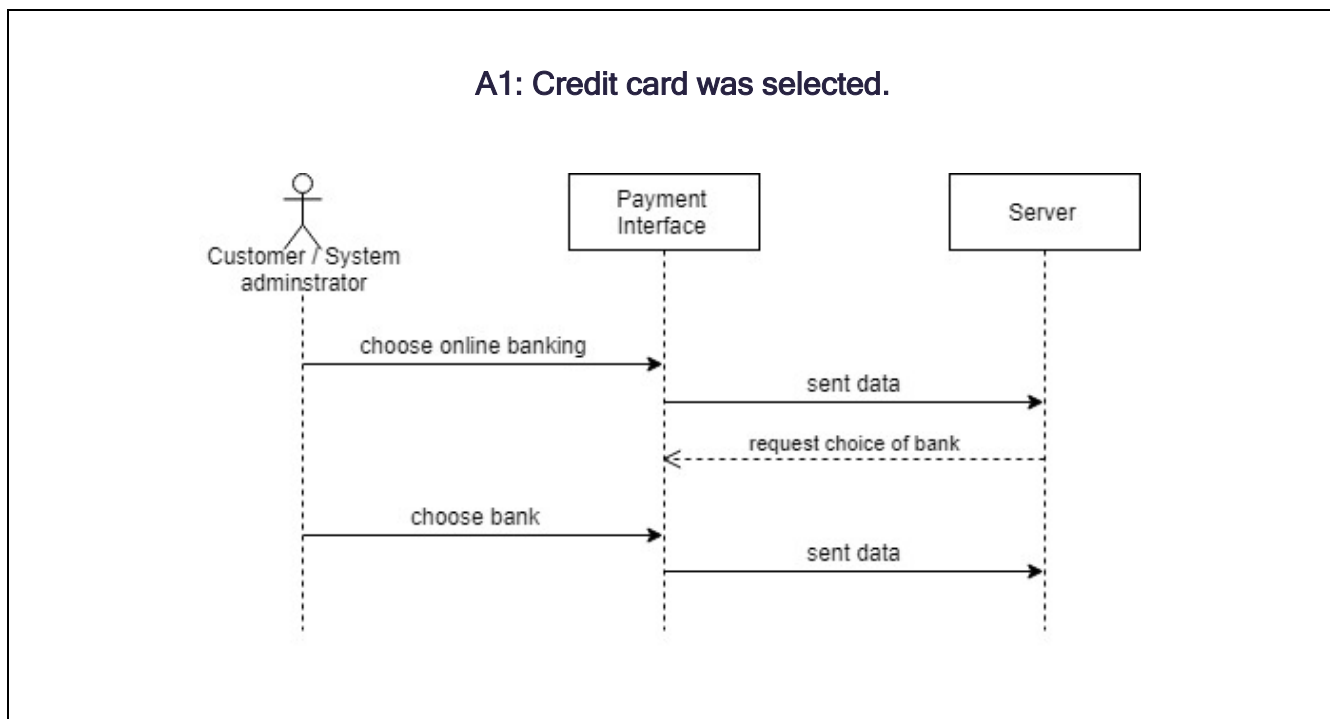
A2: Online banking was selected.
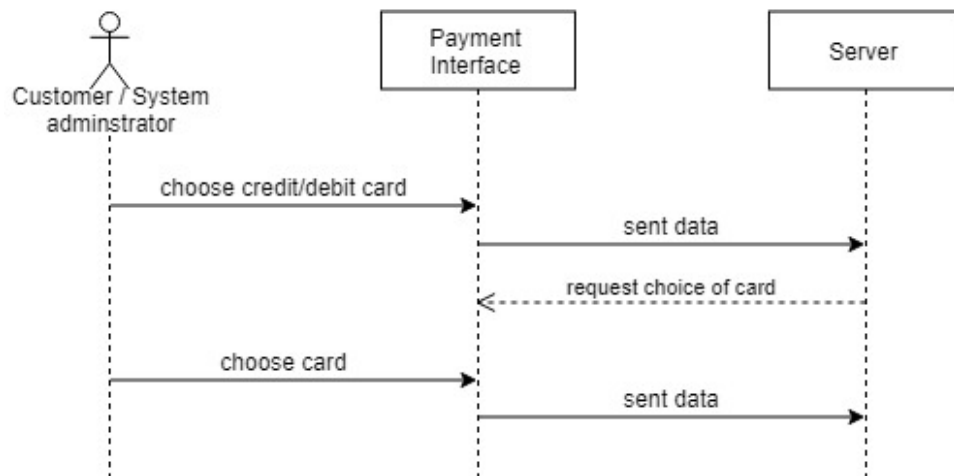
A3: Payment cancelled
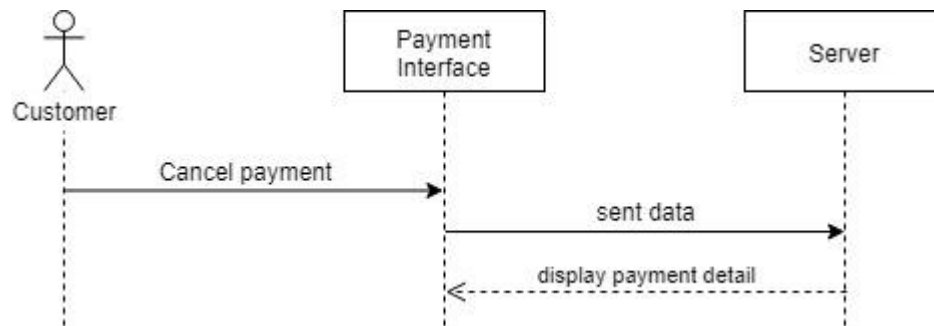
Exception Flow
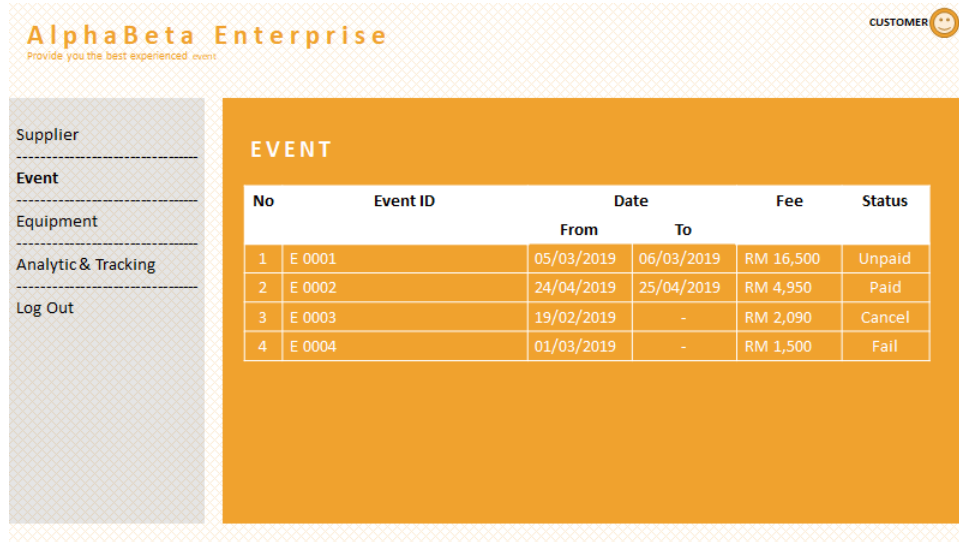
E1 : Transaction fails.
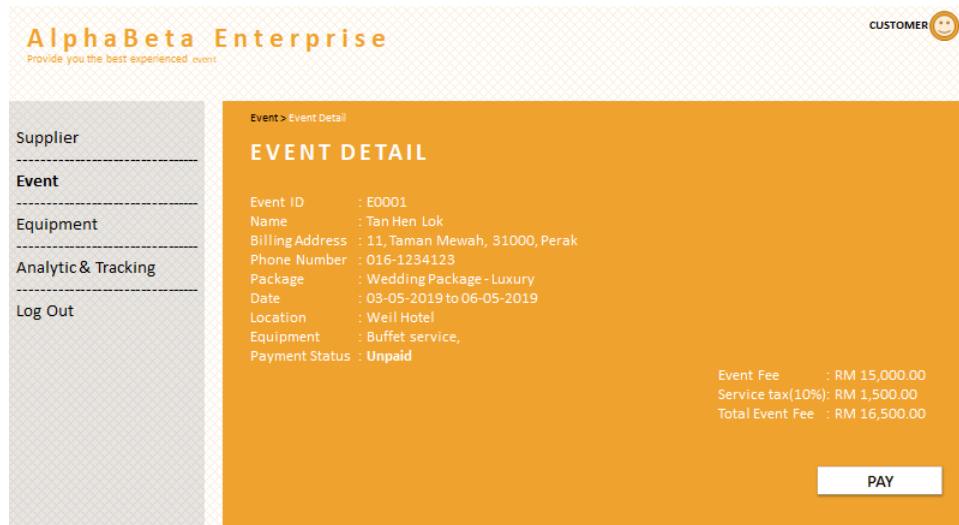
Graphical User Interfaces

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Log Out

EVENT

No	Event ID	Date From	Date To	Fee	Status
1	E 0001	05/03/2019	06/03/2019	RM 16,500	Unpaid
2	E 0002	24/04/2019	25/04/2019	RM 4,950	Paid
3	E 0003	19/02/2019	-	RM 2,090	Cancel
4	E 0004	01/03/2019	-	RM 1,500	Fail

Diagram4.1: Event Page

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Event > Event Detail

EVENT DETAIL

Event ID   : E0001
Name   : Tan Hen Lok
Billing Address   : 11, Taman Mewah, 31000, Perak
Phone Number   : 016-1234123
Package   : Wedding Package - Luxury
Date   : 03-05-2019 to 06-05-2019
Location   : Weil Hotel
Equipment   : Buffet service,
Payment Status   : **Unpaid**

Event Fee   : RM 15,000.00
Service tax(10%) : RM 1,500.00
Total Event Fee   : RM 16,500.00

PAY

Diagram4.2: Unpaid Event Detail Page

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Event > Event Detail > Payment

Supplier

Event

Equipment

Analytic & Tracking

Log Out

┌─── SUMMARY OF TRANSACTION ───┐   ┌─── PAYMENT METHOD ───┐

Event ID   : E0001   ❑ Online Banking
Name   : Tan Hen Lok
Package   : Wedding Package – Luxury ❑ Credit / Debit Card
Total Event Fee   : RM 16,500.00

CANCELLED   CONFIRM

Diagram4.3: Event Payment Page

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Event > Event Detail

EVENT DETAIL

Event ID   : E0002
Name   : Muhammad bin Zamza
Billing Address   : 11, Jalan Awana, 69000, Pahang
Phone Number   : 011-1231231
Package   : Annual Dinner
Date   : 24-04-2019 to 25-04-2019
Location   : Awana Hotel
Equipment   : Buffet service
Payment Status : **Paid**

Event Fee   : RM 4,500.00
Service tax(10%): RM 450.00
Total Event Fee   : RM 4,950.00

PRINT   BACK

Diagram4.4: Paid Event Detail Page

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Event > Event Detail

EVENT DETAIL

Event ID   : E0001
Name   : Liew Siew Mei
Billing Address   : 3,Taman Perdana, 31000, Perak
Phone Number   : 014-3213211
Package   : Graduation Night
Date   : 19-02-2019
Location   : Hall SYS
Equipment   : Buffet service,
Payment Status : **Cancel**

Event Fee   : RM 1,900.00
Service tax(10%): RM 190.00
Total Event Fee   : RM 2,090.00

PRINT   BACK

Diagram4.5: Cancel Event Detail Page

Diagram4.6: Fail Event Detail Page

Requirement Traceability

Table 4.1 – Requirement Traceability of Manage Payment

Use Case ID	Requirement ID	Description
SRS-REQ-04	SRS-REQ-401	The customer can view event details.
	SRS-REQ-402	The customer can see the amount of the event.
	SRS-REQ-403	The customer can make payment on his/her unpaid event.
	SRS-REQ-404	The customer can choose payment method either credit/debit card or online banking
	SRS-REQ-405	The customer is able to see the transaction detail.
	SRS-REQ-406	The customer can check payment record and status for each event.