

## Message From Sean

I have now checked out the contents of the repository for grading. Any further details added after the deadline will be ignored.

## Team Project: *Group 04*

### Team Members

Number	Name	Email(s)	CSGitLab Username
TM1	Le Liu	le.liu1@ucdconnect.ie	@Mrle
TM2	Ziheng Wang	ziheng.wang1@ucdconnect.ie	@zihengWang
TM3	Yunhan Gao	yunhan.gao@ucdconnect.ie	@YunhanGao
TM4	Bohan Zhang	bohan.zhang@ucdconnect.ie	@BohanZhang
TM5	Sicheng Yi	sicheng.yi@ucdconnect.ie	@Prestine
TM6	Xinya Shi	xinya.shi@ucdconnect.ie	@Shirley
TM7	Yuxuan Zhang	yuxuan.zhang@ucdconnect.ie	@WhiteCamellia

## Analysis

This phase continues the development process by realising the courses of events that we described in the requirements analysis phase. This requires the creation of sequence diagrams for each course of events. Decisions made while constructing these diagrams are also documented in the class diagram.

### Use Case Realisations (Sequence Diagrams)

Each use case contains the separate sequence diagrams for each course of events. The diagrams are stored in the `images` folder and referenced in the markdown files.

#### Account Management

1. Create Account
2. Delete Account
3. Update Account
4. View Details Account
5. List Accounts

#### Event Management

6. Create Event
7. Delete Event
8. Update Event
9. View Details Event
10. List Events

## **Venue Management**

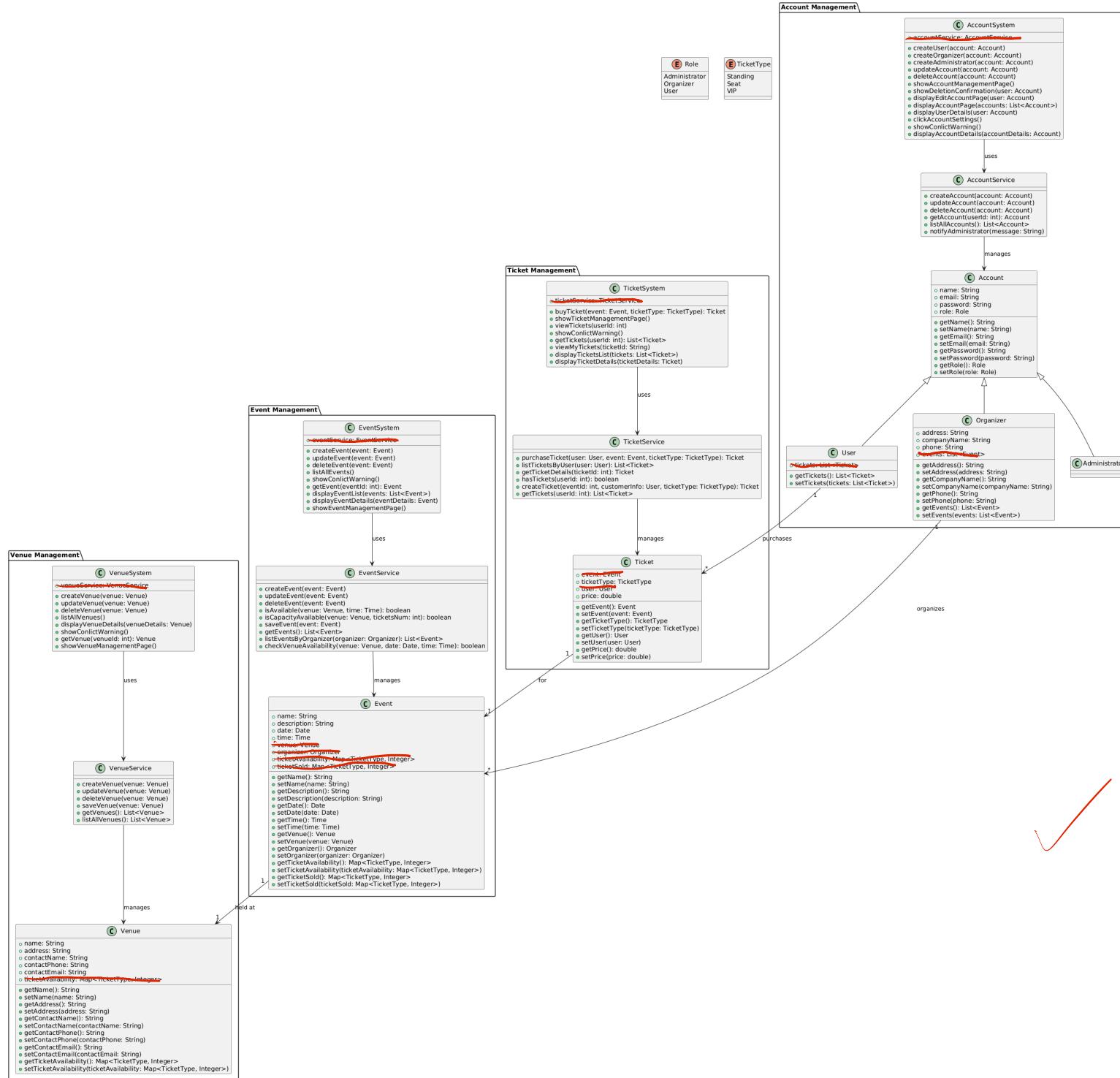
- 11. Create Venue
- 12. Delete Venue
- 13. Update Venue
- 14. View Details Venue
- 15. List Venue

## **Ticket Management**

- 16. Create(Buy) Ticket
- 17. View Details Ticket
- 18. My Tickets

## **Class Diagram**

The class diagram represents the information gained about the system by completing the use case realisations.



## Description of Responsibilities

### Role

The **Role** enumeration defines the role types of different users in the system, including Administrator, Organizer, and User.

### TicketType

The **TicketType** enumeration defines the available ticket types in the system, including Standing, Seat, and VIP, which are used to distinguish the characteristics of different ticket types.

### Account

The **Account** class is a basic entity class. It serves as the basis for all account types and has account attributes such as name, email, password, and role for subclasses to inherit.

### User

The **User** class represents ordinary users in the system and is inherited from the **Account** class. It manages the ticket information purchased by the user, contains the list of tickets held by the user, and provides related get and set methods.

### Organizer

The **Organizer** class represents the event organizer and is inherited from the **Account** class. It manages the organizer's details such as address, company name, phone number, and the list of events created and managed by the organizer.

### Administrator

The **Administrator** class represents the system administrator and is inherited from the **Account** class. It is responsible for the overall management and maintenance of the system, has the highest authority, and can perform all operations and configurations.

### AccountSystem

The **AccountSystem** class, as the control layer of account management, handles the interaction between the user interface and **AccountService**. It is responsible for the creation, update, deletion, and display of interfaces related to account management.

### AccountService

The **AccountService** class is responsible for the business logic of account management. It handles the creation, update, deletion, and query operations of accounts, and provides the functions of obtaining accounts through email, listing all accounts, and notifying administrators.

### Venue

The **Venue** class manages the basic information of the event venue, including name, address, contact information, etc.

### VenueSystem

The **VenueSystem** class, as the control layer of venue management, handles the interaction between the user interface and **VenueService**. It is responsible for the creation, update, deletion, and display of interfaces and detailed information related to venue management.

## VenueService

The **VenueService** class is responsible for the business logic of venue management. It handles the creation, update, deletion, and query operations of venues, and provides the functions of saving venue information, obtaining venues by name or ID, and listing all venues.

## Event

The **Event** class manages the basic information of an event, including name, description, date, time, associated venue, and organizer.

## EventSystem

The **EventSystem** class, as the control layer of event management, handles the interaction between the user interface and the **EventService**. It is responsible for the creation, update, deletion, and display of event management related interfaces and detailed information.

## EventService

The **EventService** class is responsible for the business logic of event management. It handles the creation, update, deletion, and query operations of events, and provides the functions of checking venue availability, obtaining event information, and listing events by organizer.

## Ticket

The **Ticket** class manages the basic information of a single ticket, including the associated event (**Event**), ticket type (**TicketType**), purchasing user (**User**), and price.

## TicketSystem

The **TicketSystem** class is the control layer of ticket management, handling the interaction between the user interface and **TicketService**. It is responsible for purchasing tickets, viewing user tickets, and displaying interfaces and detailed information related to ticket management.

## TicketService

The **TicketService** class is responsible for the business logic of ticket management. It handles ticket purchase, query and management operations, and provides users with the functions of purchasing tickets, listing all user tickets, obtaining ticket details and creating new tickets.

## Milestone 2 Analysis

### Distribution of work on this milestone

#### Overall Distribution of Work

Team Member	TM1	TM2	TM3	TM4	TM5	TM6	TM7
Percentage	15%	15%	14%	14%	14%	14%	14%

#### Task Allocation

Item	Primary Author	Contributor	Contributor	Reviewer
Description of Responsibilities	ZihengWang			
Class Diagram	ZihengWang			LeLiu

Item	Primary Author	Contributor	Contributor	Reviewer
Use Case 1: "Create Account"	LeLiu			ZihengWang
Use Case 2: "Delete Account"	YunhanGao	BohanZhang		LeLiu
Use Case 3: "Update Account"	YunhanGao	BohanZhang		LeLiu
Use Case 4: "View details Account"	YunhanGao	BohanZhang		LeLiu
Use Case 5: "List all Accouts"	SichengYi			LeLiu
Use Case 6: "Create Venue"	XinyaShi	YuxuanZhang		LeLiu
Use Case 7: "Delete Venue"	XinyaShi	YuxuanZhang		ZihengWang
Use Case 8: "Update Venue"	XinyaShi	YuxuanZhang		ZihengWang
Use Case 9: "List all Venues"	SichengYi			ZihengWang
Use Case 10: "View Details Venue"	BohanZhang	YuxuanZhang		ZihengWang
Use Case 11: "Create Event"	YuxuanZhang	XinyaShi		ZihengWang
Use Case 12: "Delete Event"	YuxuanZhang	XinyaShi		ZihengWang
Use Case 13: "Update Event"	YuxuanZhang	XinyaShi		ZihengWang
Use Case 14: "View Details Event"	YuxuanZhang	XinyaShi		LeLiu
Use Case 15: "List all Events"	SichengYi	XinyaShi		LeLiu
Use Case 16: "Create(Buy) Ticket"	BohanZhang	YunhanGao		LeLiu
Use Case 17: "View Details Ticket"	BohanZhang	YunhanGao		LeLiu
USe Case 18: "My Tickets"	BohanZhang	YunhanGao		LeLiu

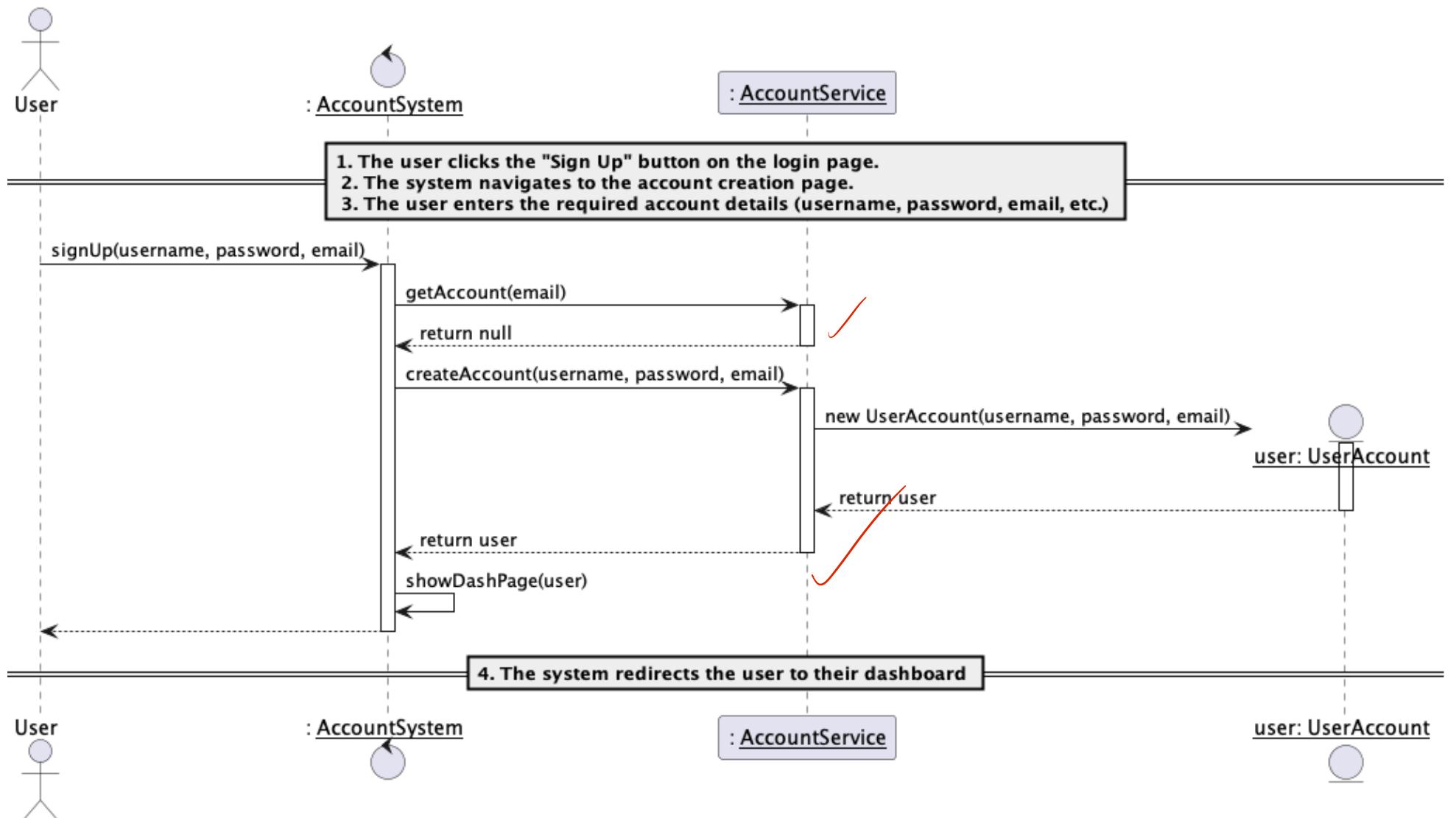
## Filename - 02-analysis/usecases/docs/01-create-account.md

### Use Case 01 - Create Account

#### 01 - Basic Course of Events - user Register

1. The user clicks the "Sign Up" button on the login page. (01- Login Page)
2. The system navigates to the account creation page. (02 - register page)
3. The user enters the required account details (username, password, email, etc.)
4. The system redirects the user to their dashboard. (03 - User Dash Page)

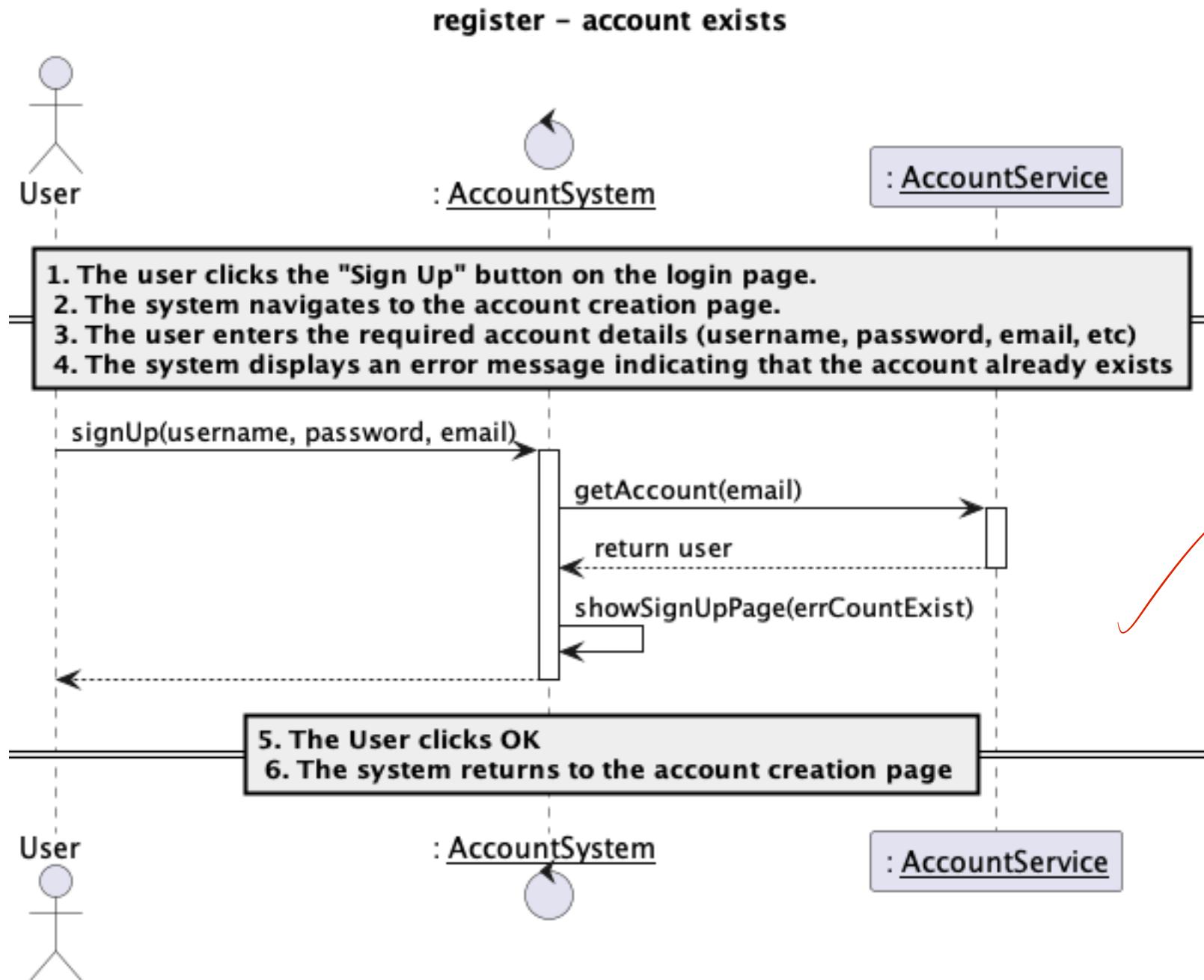
### register – User



### 02 - Alternative Courses of Events - Account Already Exists

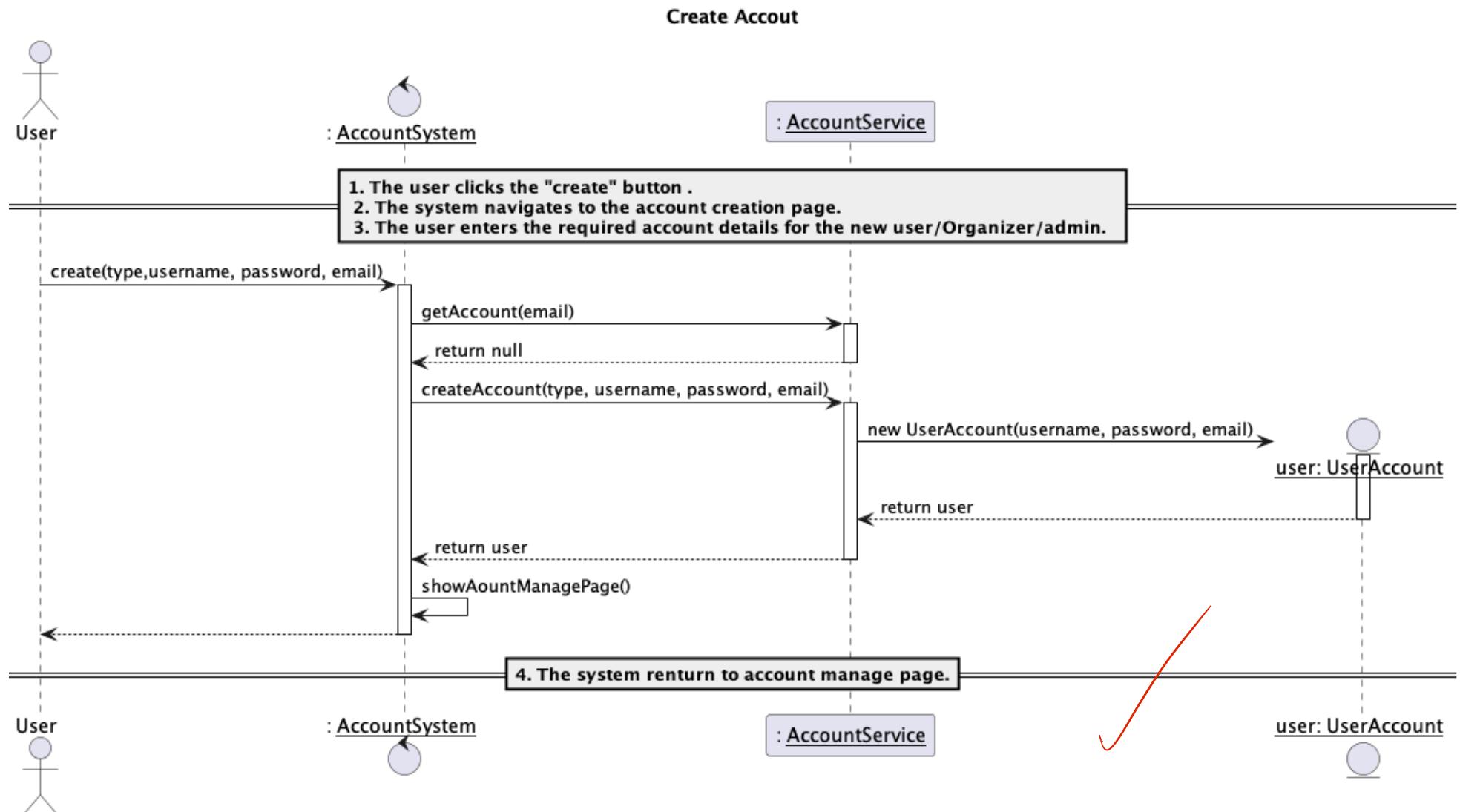
1. The user clicks the “Sign Up” button on the login page.
2. The system navigates to the account creation page. (02 - register page)
3. The user enters the required account details (username, password, email, etc.)
4. The system displays an error message indicating that the account already exists (02 - register account exist)

5. The user clicks ok.
6. The system return to the account creation page. (02 - register page)



### 03 - Basic Course of Events - Admin create

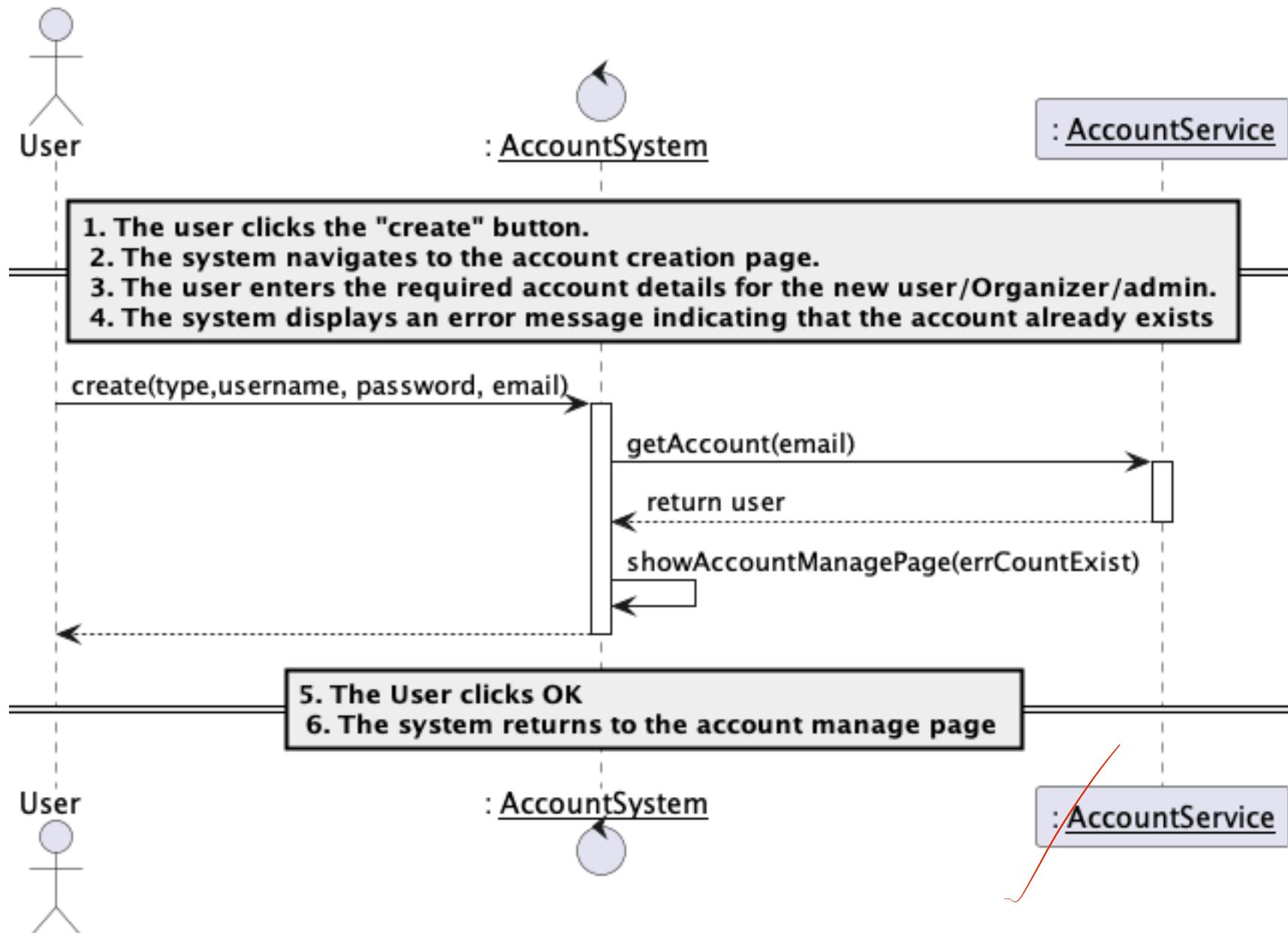
1. The administrator select create account button(3 types). (06-manage account)
2. The system navigates to the account creation page. (07-create admin/ 08-create user / 09-create organiser )
3. The administrator enters the required account details for the new user/Organizer/admin.
4. The system return to account manage page.



#### **04 - Alternative Courses of Events - Account Already Exists**

1. The administrator select create account button(3 types). **(06-manage account)**
2. The system navigates to the account creation page. **(07-create admin/ 08-create user / 09-create organiser )**
3. The administrator enters the required account details for the new user/Organizer/admin.
4. The system displays an error message indicating that the account already exists. **(08-create user exists)**
5. The administrator clicks OK
6. The system returns to the create account page.

## Create Account – account exists



## Welcome to Event Management System

Name :

Password :

**Login** **Register**

01 - login Page

## Sign Up

Name :

Password :

Confirm:

Email:

**Sign Up**

02 - register Page

## Create New Account

Name:

Password:

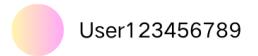
Confirm:

Email:

This email account has been registered

02 - register account exist

Welcome User!



User123456789

[Purchase Tickets](#)

[My Tickets](#)

03 - user Dash Page

# Manage Account

Create Admin   Create User   Create Organiser

---

Name: Le Liu  
Role: User

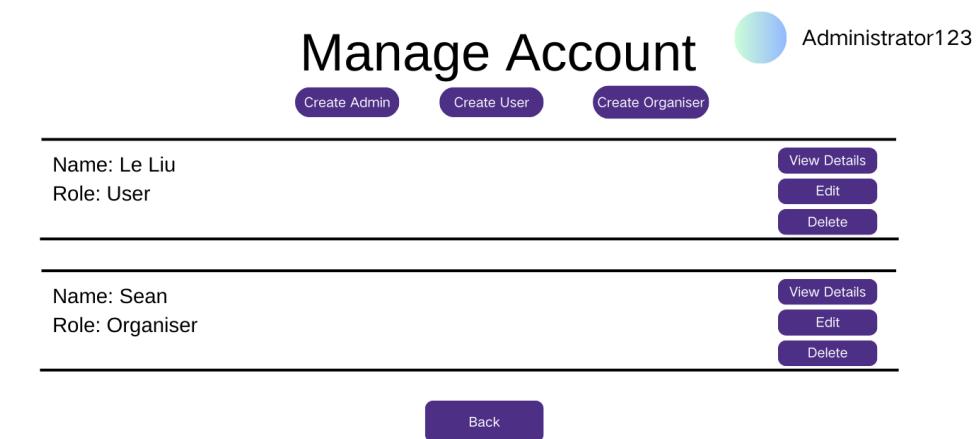
[View Details](#)  
[Edit](#)  
[Delete](#)

---

Name: Sean  
Role: Organiser

[View Details](#)  
[Edit](#)  
[Delete](#)

[Back](#)



This page displays a list of accounts. Each account entry includes the name, role, and three buttons for viewing details, editing, or deleting the account. A 'Back' button is located at the bottom.

06 - manage account

# Create Admin

Administrator123

Name :

Password :

Confirm:

Email:

[Create](#)



This page is for creating a new admin account. It features a form with fields for Name, Password, Confirm, and Email, each represented by a grey input field. A large green 'Create' button is positioned at the bottom right.

07 - createAdmin Page

 Administrator123

## Create User

Name:

Password:

Confirm:

Email:

 Create

08 - createUser Page

 Administrator123

## Create Organiser

Name:

Password:

Confirm:

This email account has been registered

 OK

Company:

 Create

08 - createUser exists



## Create Organiser

Name :	<input type="text"/>
Password :	<input type="password"/>
Confirm:	<input type="password"/>
Email:	<input type="text"/>
Address:	<input type="text"/>
Company:	<input type="text"/>

Create

09 - createOrganizer Page

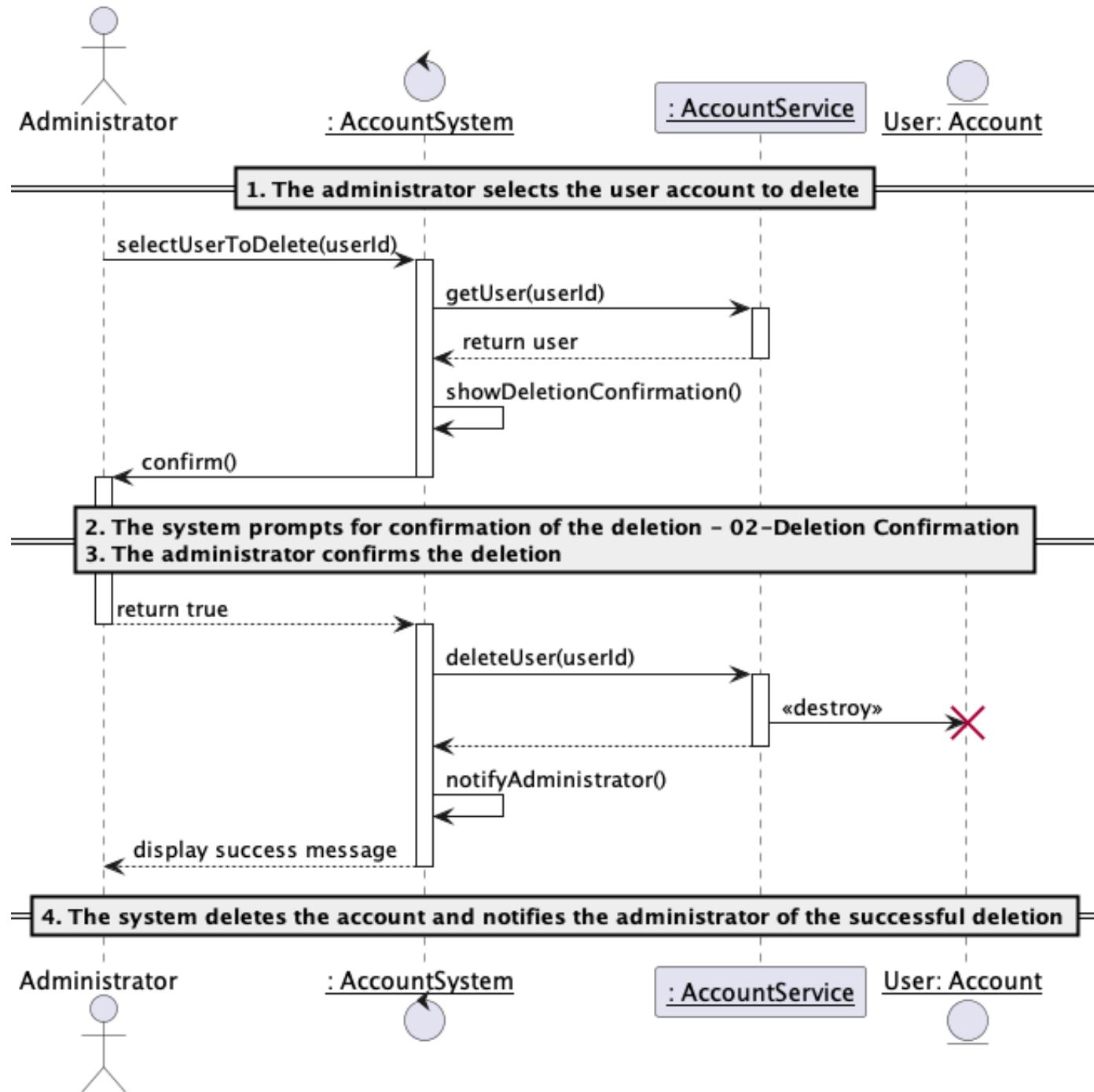
Filename - 02-analysis/usecases/docs/02-delete-account.md

### Use Case 02 - Delete Account

#### Course of Events

1. The administrator selects the user account to delete.
2. The system prompts for confirmation of the deletion. (**02- Deletion Confirmation**)
3. The administrator confirms the deletion.
4. The system deletes the account and notifies the administrator of the successful deletion.

## 02-delete-account



## Related UI Prototypes

Tile    Page

---

# Manage Account



Administrator123

Create Admin    Create User    Create Organiser

---

Name: Le Liu  
Role: User

View Details  
Edit  
Delete

---

Name: Sean  
Role: Organiser

View Details  
Edit  
Delete

---

Back

01 -  
Ac-  
count  
Man-  
age-  
ment  
Page

# Manage Account



Administrator123

Create Admin

Create User

Create Organiser

---

Name: Le Liu

Role: User

---

Are you sure Delete

Le Liu

[View Details](#)

[Edit](#)

[Delete](#)

---

---

Name: Sean

Role: Organiser

---

[Yes](#)

[No](#)

[View Details](#)

[Edit](#)

[Delete](#)

---

[Back](#)

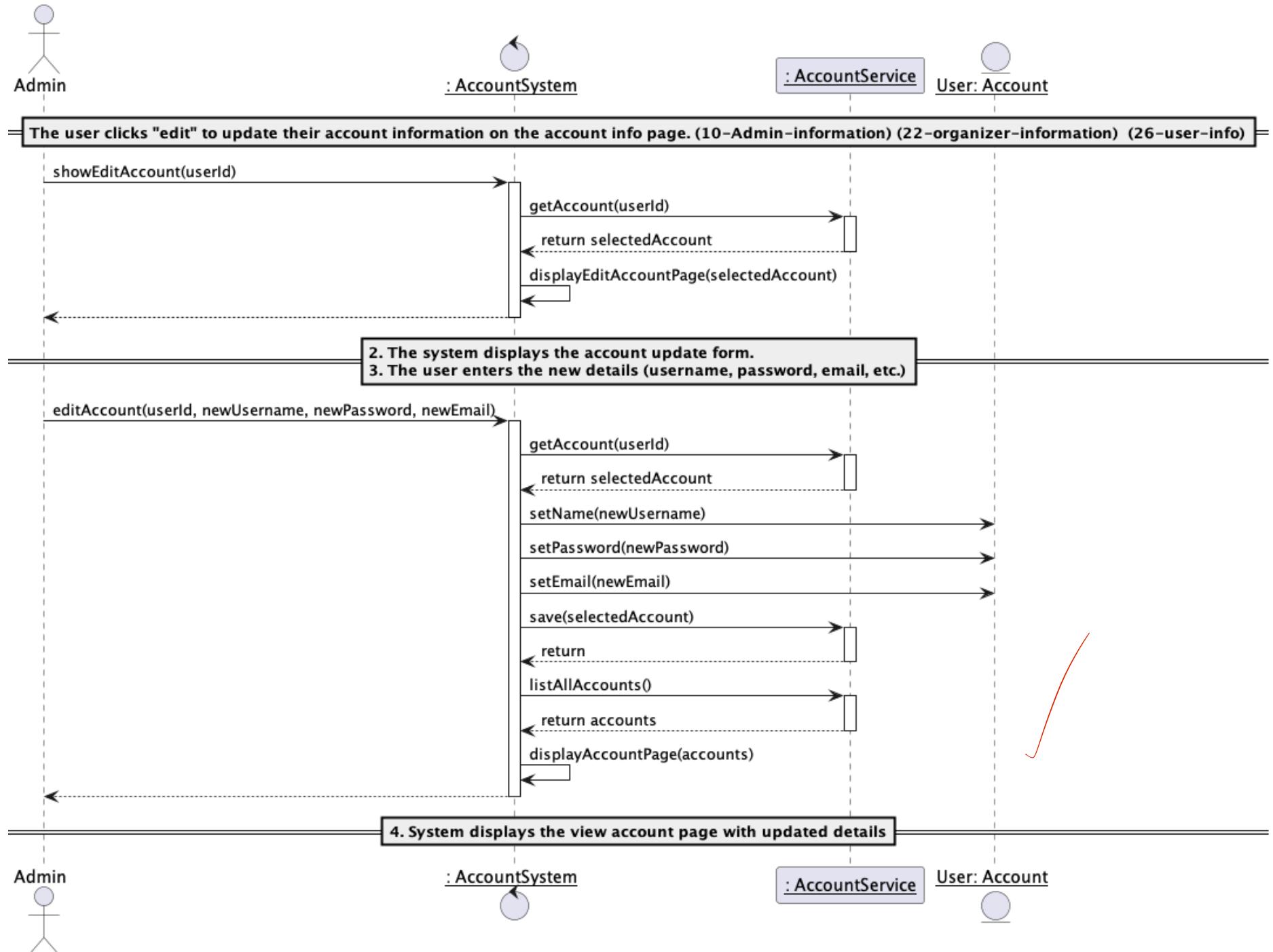
## **Use Case 03 - Update Account**

### **Courses of Events**

#### **Basic Course of Events - Any User Modifying Their Account**

1. The user clicks “edit” to update their account information on the account info page. (10-Admin-information) (22-organizer-information) (26-user-info)
2. The system displays the account update form.
3. The user enters the new details (username, password, email, etc.)
4. System displays the view account page with updated details

### 03-update-account(User)



## Administrator Account



Administrator123

### Administrator Information

Name

Administrator123

Edit

Email

123123123@gmail.com

Edit

Password

\*\*\*\*\*

Edit

Phone number

15278056835

Edit

Save

## Organizer Account



Organizer123456

### Organizer Information

Name

Organizer123456

Edit

Email

123456123@gmail.com

Edit

Password

\*\*\*\*\*

Edit

Phone number

17185920604

Edit

Save

## User Account

### Purchased Tickets



User123456789

#### User Information

**Name**

User123456789

**Edit****Email**

123456789@gmail.com

**Edit****Password**

\*\*\*\*\*

**Edit****Phone number**

13525947801

**Edit****Save**

---

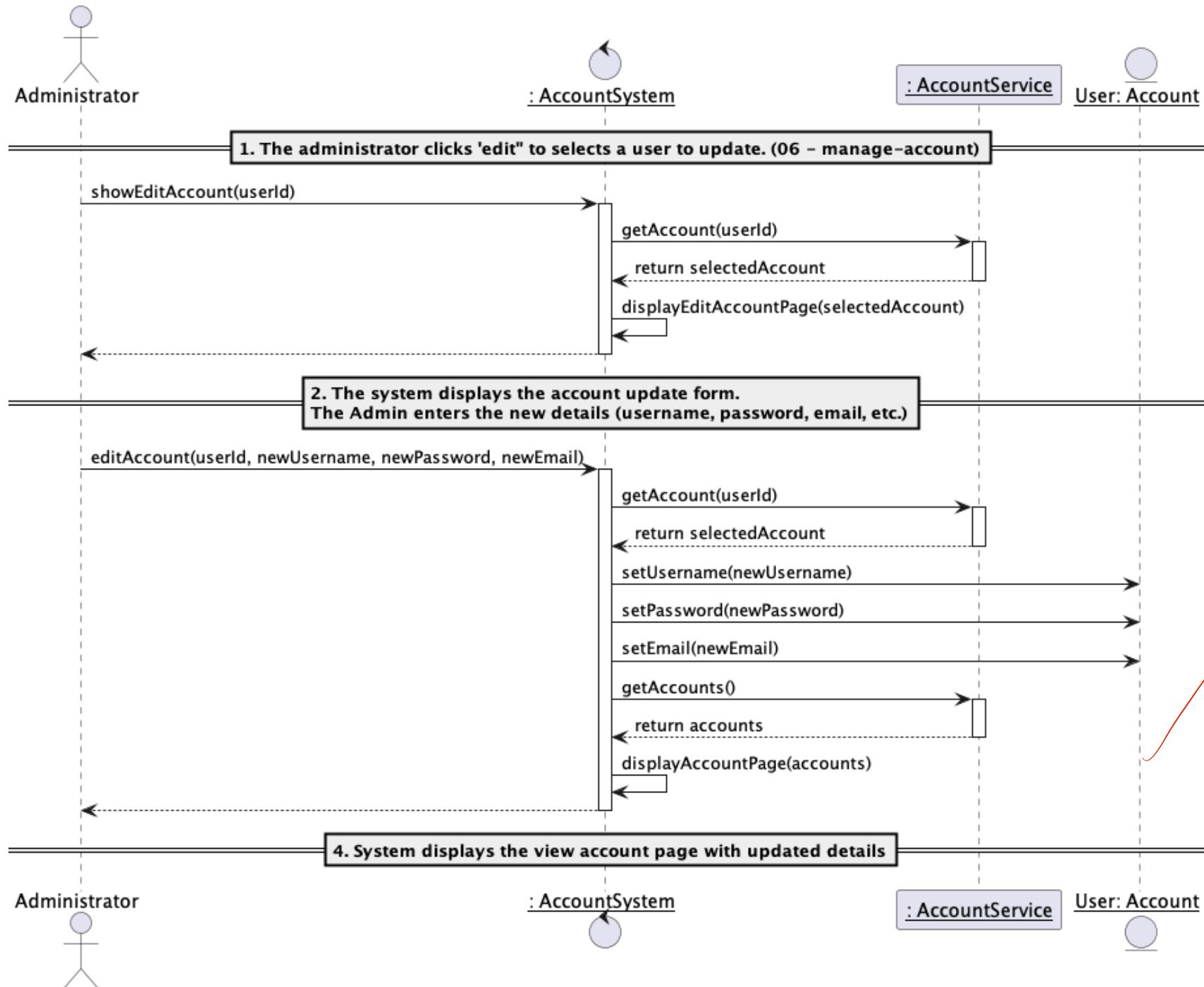
#### Basic Course of Events - Administrator Updates Another User's Account

##### Course of Events

1. The administrator clicks 'edit' to selects a user to update. (**06 - manage-account**).
2. The System displays the account update page
3. The administrator enters the new details.

4. The system dispkay account info page.(26-user-info)

### 03-update-account(Admin)



# Manage Account



Administrator123

Create Admin

Create User

Create Organiser

Name: Le Liu

[View Details](#)

Role: User

[Edit](#)

[Delete](#)

Name: Sean

[View Details](#)

Role: Organiser

[Edit](#)

[Delete](#)

[Back](#)

## Use Case 04 - View Account Details

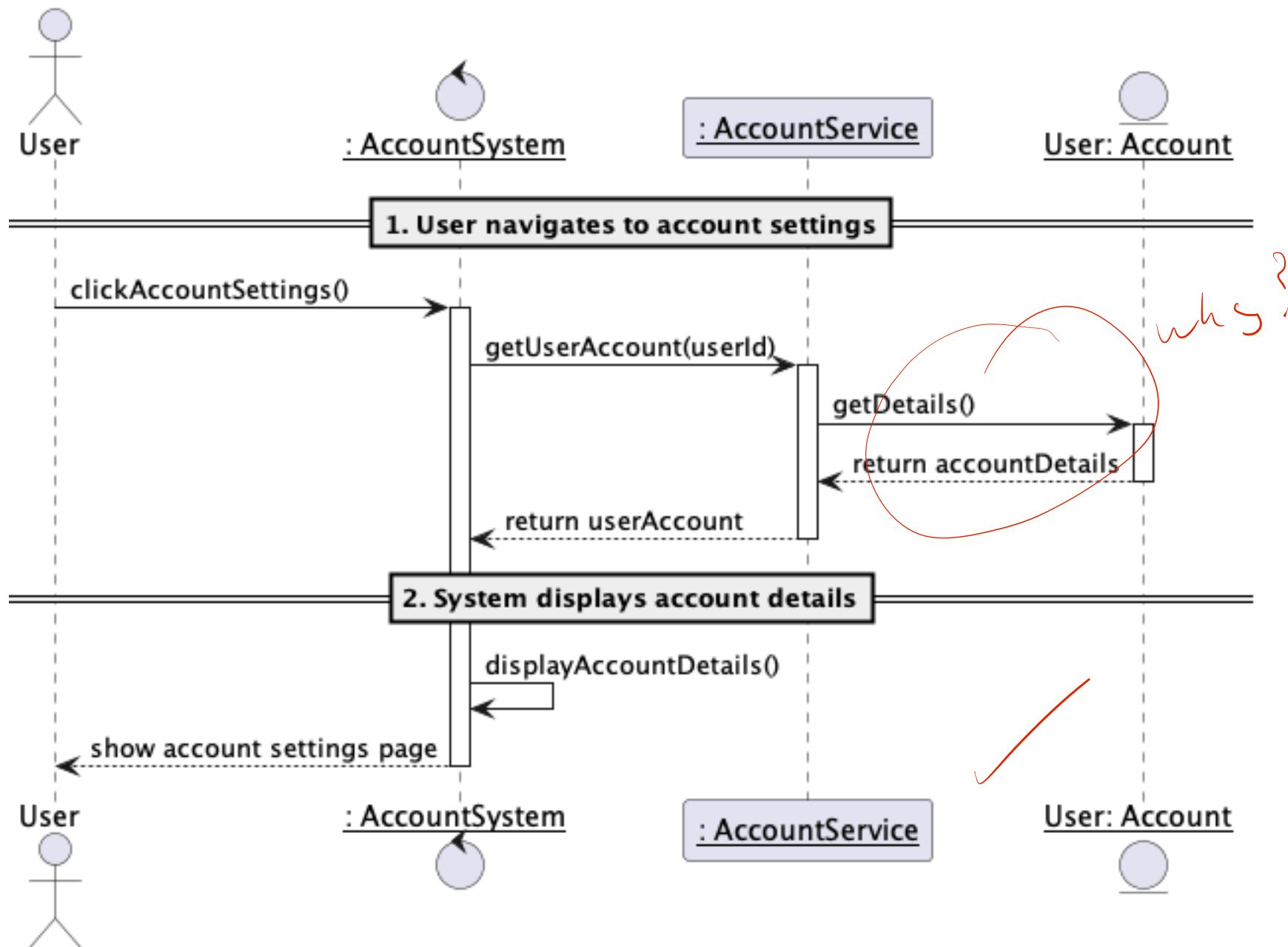
### Courses of Events

#### 01 - Basic Course of Events (User/Organizer/Admin)

##### Course of Events

1. The user clicks on their avatar to view account details (03 - user-dash-page) (04-admin-dash-page) (05-organizer-dash-page)
2. The system displays the account details.

## 04-view-account-detail(User)



# Welcome User!



User123456789

**Purchase Tickets**

**My Tickets**

# Welcome Organizer!



Organizer123456

[My Events](#)

[Manage Venues](#)

# Welcome Administrator!



Administrator123

[Manage Account](#)

[Manage Venues](#)

[Manage Events](#)

---

## User Account

### Purchased Tickets



User123456789

#### User Information

Name

User123456789

Edit

Email

123456789@gmail.com

Edit

Password

\*\*\*\*\*

Edit

Phone number

13525947801

Edit

Save

## Organizer Account



Organizer123456

### Organizer Information

Name

Organizer123456

Edit

Email

123456123@gmail.com

Edit

Password

\*\*\*\*\*

Edit

Phone number

17185920604

Edit

Save

## Administrator Account



Administrator123

### Administrator Information

Name

Administrator123

Edit

Email

123123123@gmail.com

Edit

Password

\*\*\*\*\*

Edit

Phone number

15278056835

Edit

Save

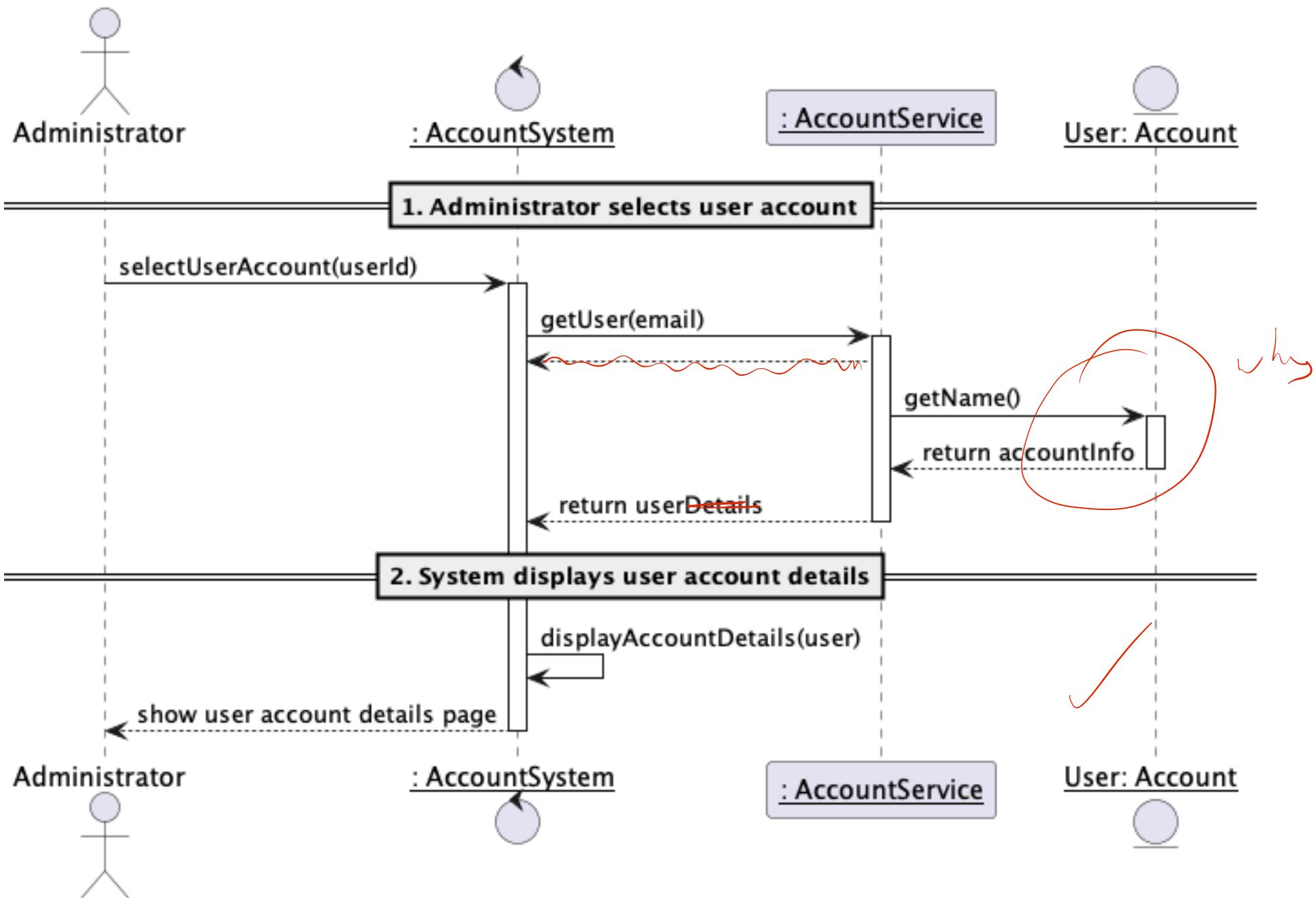
---

### 02 - Administrator Views Another User's Account

#### Course of Events

1. The administrator selects a user account to view.(06 - manage-account).
2. The system displays the user's account details.(26 - user-info )

## 04-view-account-detail(Admin)



## Related UI Prototypes

01 - Account Management Page

# Manage Account

Administrator123

Name: Le Liu  
Role: User

Name: Sean  
Role: Organiser

Create Admin   Create User   Create Organiser

**View Details**  
**Edit**  
**Delete**

**View Details**  
**Edit**  
**Delete**

Back

02 - User Account Details

## User Account

### Purchased Tickets

User123456789

#### User Information

Name User123456789 Edit

Email 123456789@gmail.com Edit

Password \*\*\*\* Edit

Phone number 13525947801 Edit

Save

## Organizer Account

Organizer123456

#### Organizer Information

Name Organizer123456 Edit

Email 123456123@gmail.com Edit

Password \*\*\*\* Edit

Phone number 17185920604 Edit

Save

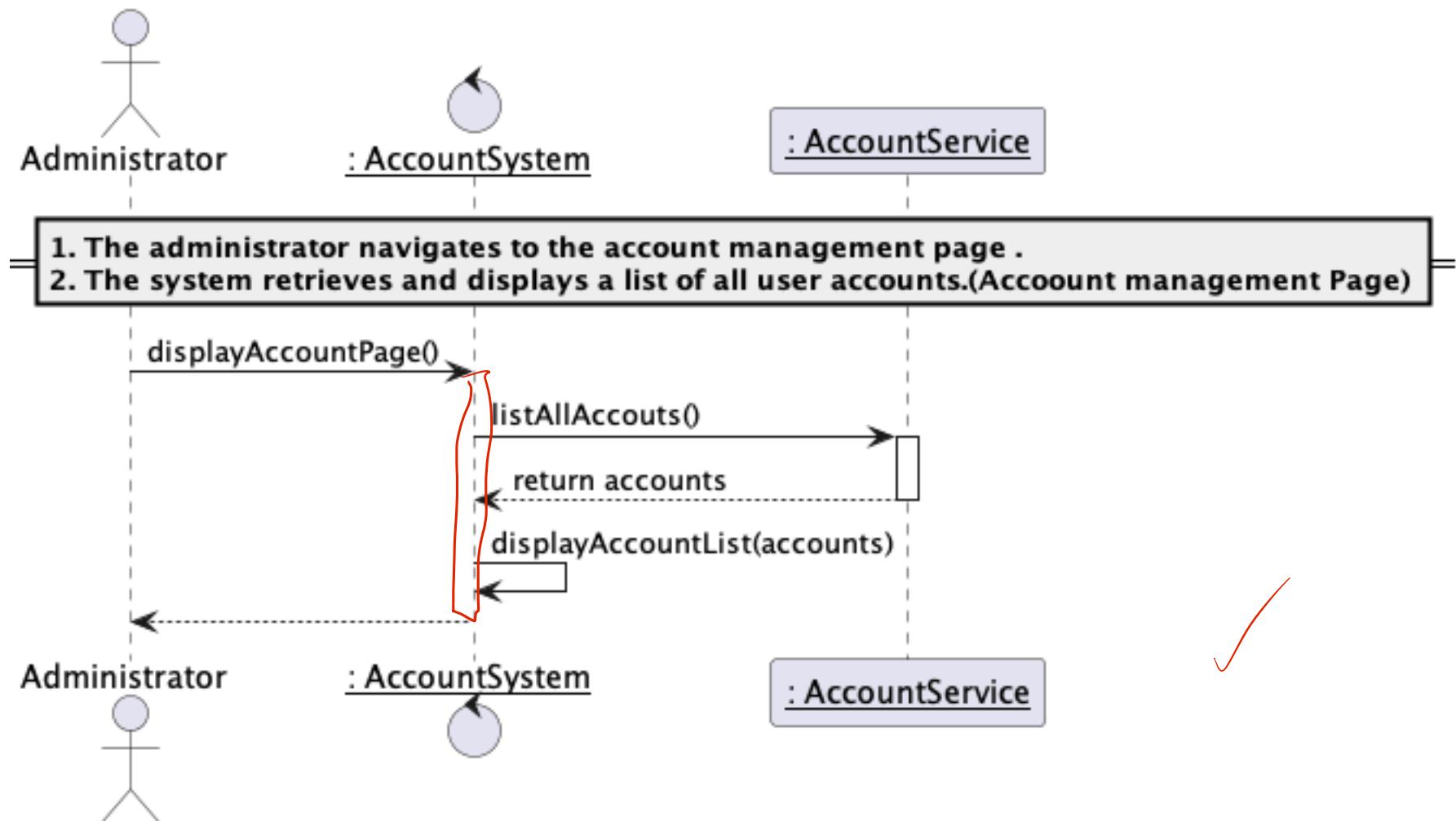
**Administrator Account**

Administrator123

**Administrator Information****Name** Administrator123 [Edit](#)**Email** 123123123@gmail.com [Edit](#)**Password** \*\*\*\*\* [Edit](#)**Phone number** 15278056835 [Edit](#)[Save](#)**Filename - 02-analysis/usecases/docs/05-list-accounts.md****Use Case 05 - List Accounts****01 - Basic Course of Events**

1. The administrator clicks the “Manage Account” button on the login page. (04 - Admin Dash Page)
2. The system displays a list of all user accounts.(06 - Manage Account Page)

## List Accounts



Related UI Prototypes

Welcome Administrator!



[Manage Account](#)

[Manage Venues](#)

[Manage Events](#)

04 - Admin Dash Page

## Manage Account

[Create Admin](#)

[Create User](#)

[Create Organiser](#)

Name: Le Liu  
Role: User

[View Details](#)  
[Edit](#)  
[Delete](#)

Name: Sean  
Role: Organiser

[View Details](#)  
[Edit](#)  
[Delete](#)

[Back](#)

06 - Manage Account Page

**Filename - 02-analysis/usecases/docs/06-create-event.md**

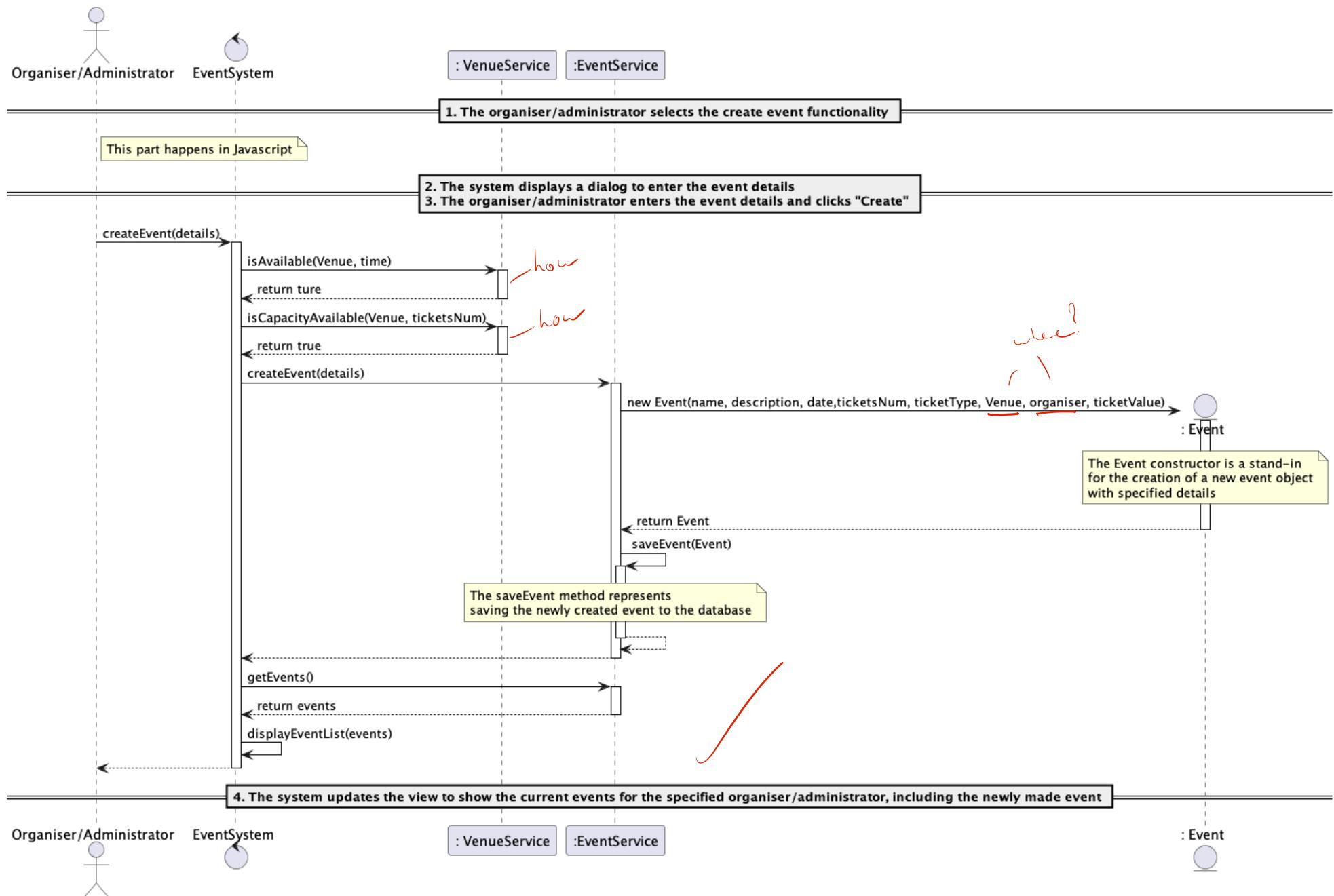
**Use Case 06 - Create Event**

**01 - Basic Course of Events**

1. The organiser/administrator selects the create event functionality

2. The system displays a dialog to enter the event details
3. The organiser/administrator enters the event details and clicks “Create”
4. The system updates the view to show the current events for the specified organiser/administrator, including the newly made event

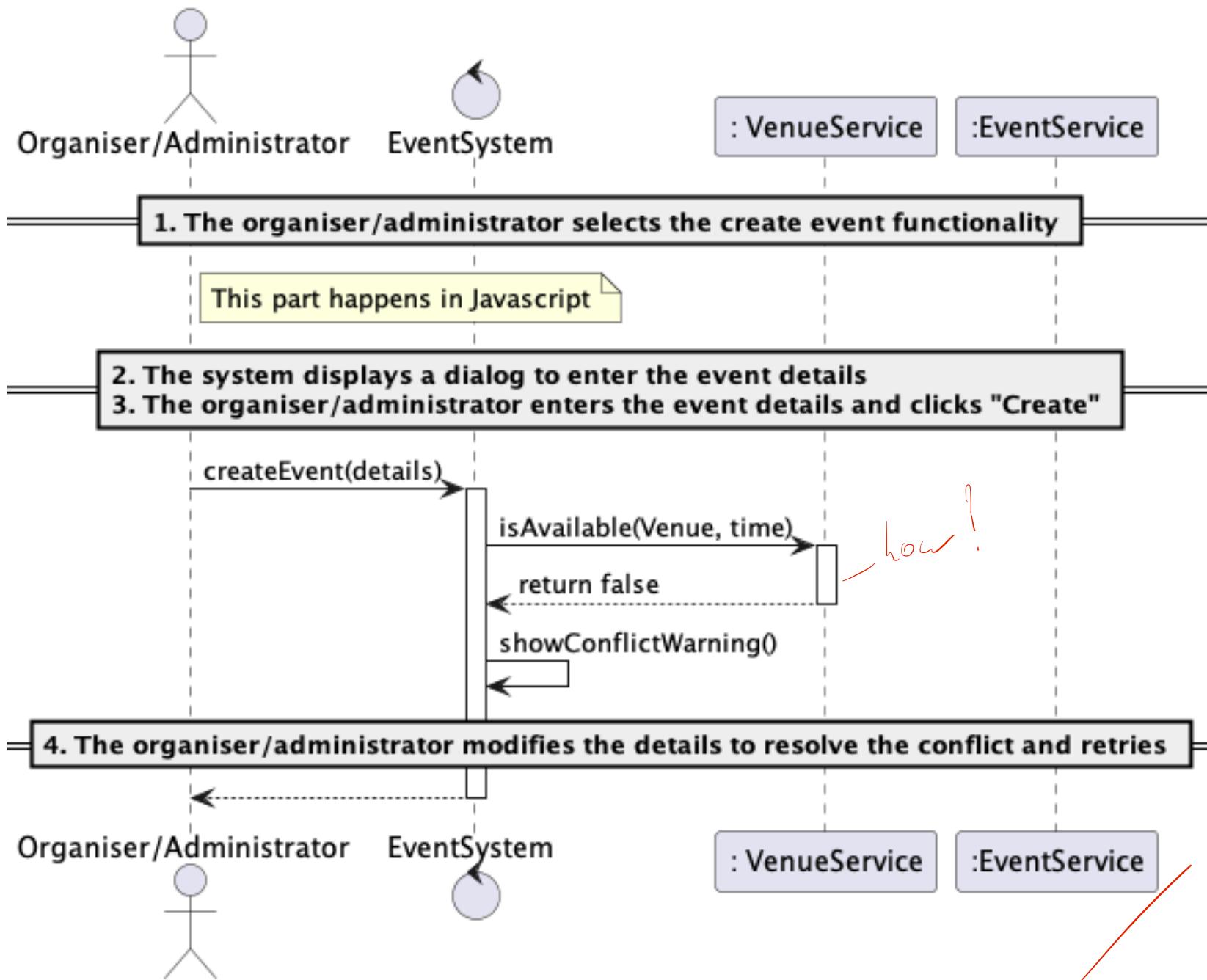
### Create Event – Basic Course of Events



## 02 - Alternate Course of Events - Booking Clash

1. The organiser/administrator selects the create event functionality
2. The system displays a dialog to enter the event details
3. The organiser/administrator enters the event details and clicks “Create”
4. The system warns the organiser/administrator that this event if created would conflict with an existing event. The organiser is allowed to modify the details of the event and can continue the use case from step 4 of the basic course of events

## Create Event – Alternate Course of Events (Booking Clash)



### 03 - Alternate Course of Events - Do not create

1. The organiser/administrator selects the create event functionality
2. The system displays a dialog to enter the event details
3. The organiser/administrator enters the event details (or not) and clicks “Cancel”
4. The system returns to the List Events page of the application

In this case, all interactions are completed within the javascript of the view majors page. No request is made to the server and no response is received.

### Related UI Prototypes

Tile	Page															
	<p><b>Admin Event List</b></p> <p><b>Add</b></p> <p> Administrator123</p> <table><thead><tr><th>Categories</th><th>Concerts</th><th>Drama</th><th>Ballet</th><th>Sports</th></tr></thead><tbody><tr><th>Location</th><td>All</td><td>Beijing</td><td>Shanghai</td><td>Shenzhen</td></tr><tr><th>Date</th><td>All</td><td>Today</td><td>Last three days</td><td>Last 30 days</td></tr></tbody></table> <p><b>Andy Lau's "Today...is the Day" 2024-2025 Tour Concert</b> 2024.12.15-2025.01.03 [Hong Kong, China] Hong Kong Coliseum</p> <p><b>JJ Lin JJ20 World Tour Concert-Chongqing Station</b> 2024.11.01-2024.11.03 [Chongqing] Chongqing Olympic Sports Center Stadium</p> <p><b>Detail</b>   <b>Edit</b>   <b>Delete</b></p> <p><b>Detail</b>   <b>Edit</b>   <b>Delete</b></p>	Categories	Concerts	Drama	Ballet	Sports	Location	All	Beijing	Shanghai	Shenzhen	Date	All	Today	Last three days	Last 30 days
Categories	Concerts	Drama	Ballet	Sports												
Location	All	Beijing	Shanghai	Shenzhen												
Date	All	Today	Last three days	Last 30 days												

19 - List Events Page - Organiser

**Founded Events**[Add](#)

Organizer123456

**Categories**

Concerts   Drama   Ballet   Sports

**Location**

All   Beijing   Shanghai   Shenzhen

**Date**

All   Today   Last three days   Last 30 days

[Detail](#)[Edit](#)**Andy Lau's "Today...is the Day" 2024-2025 Tour Concert****2024.12.15-2025.01.03****[Hong Kong, China] Hong Kong Coliseum**[Detail](#)[Edit](#)**JJ Lin JJ20 World Tour Concert-Chongqing Station****2024.11.01-2024.11.03****[Chongqing] Chongqing Olympic Sports Center Stadium**

## Create Event

 Organizer123456

Add Cover  
Image Here

Add event name here

Add event description

Add time and date

Add ticket type here

Add event location here

Add event organiser here

Add ticket value here

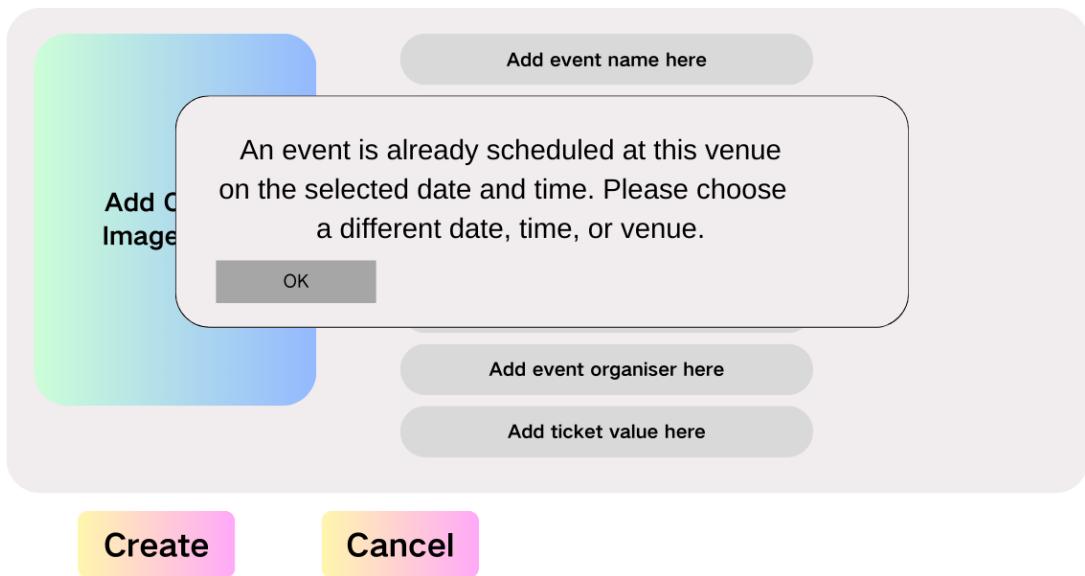
Create

Cancel

13 - Create Event Dialog



## Create Event



13 - Create Event Dialog - Time and Venue Clash

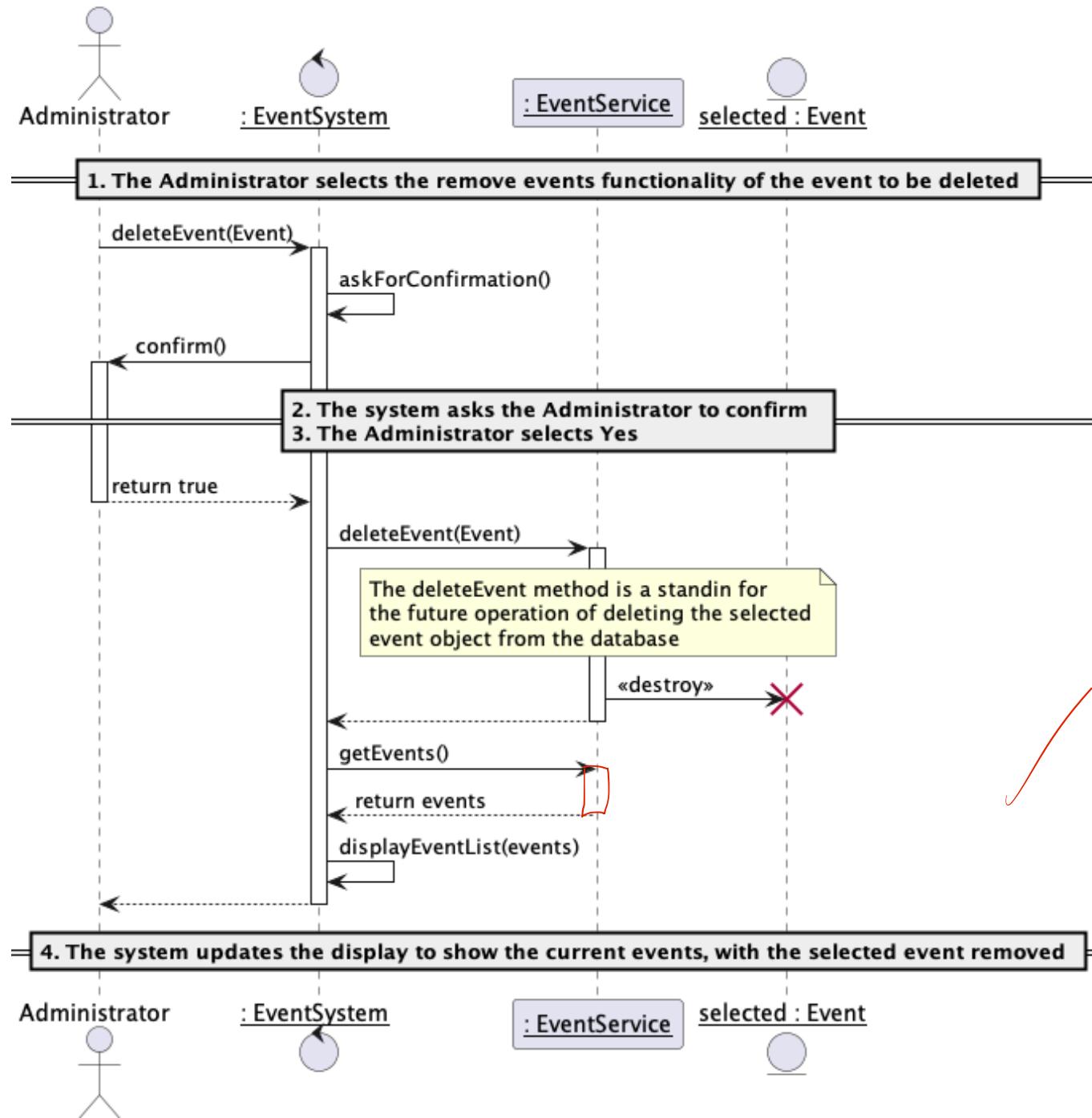
**Filename - 02-analysis/usecases/docs/07-delete-event.md**

## Use Case 07 - Delete Event

### 01 - Basic Course of Events

1. The Administrator selects the remove events functionality of the event to be deleted
2. The system asks the Administrator to confirm
3. The Administrator selects **Yes**
4. The system updates the display to show the current events, with the selected event removed

## Delete Event – 01 Basic Course of Events



## 02 - Alternate course of events - Do Not Delete

1. The Administrator selects the remove events functionality of the event to be deleted
2. The system asks the Administrator to confirm
3. The Administrator selects **No**
4. The system returns to the List Events page of the application

In this case, all interactions are completed within the javascript of the view majors page. No request is made to the server and no response is received.

### Related UI Prototypes

Tile	Page															
	<p style="text-align: center;"><b>Founded Events</b> <a href="#" style="border: 2px solid #00AEEF; border-radius: 15px; padding: 5px 10px;">Add</a></p> <div style="background-color: #f0f0f0; padding: 10px; border-radius: 10px; margin-top: 10px;"><table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="padding: 5px;"><b>Categories</b></td><td style="padding: 5px;">Concerts</td><td style="padding: 5px;">Drama</td><td style="padding: 5px;">Ballet</td><td style="padding: 5px;">Sports</td></tr><tr><td style="padding: 5px;"><b>Location</b></td><td style="padding: 5px;">All</td><td style="padding: 5px;">Beijing</td><td style="padding: 5px;">Shanghai</td><td style="padding: 5px;">Shenzhen</td></tr><tr><td style="padding: 5px;"><b>Date</b></td><td style="padding: 5px;">All</td><td style="padding: 5px;">Today</td><td style="padding: 5px;">Last three days</td><td style="padding: 5px;">Last 30 days</td></tr></table> <div style="background-color: #f0f0f0; padding: 10px; border-radius: 10px; margin-top: 10px;"><p style="margin: 0;">Andy Lau's "Today...is the Day" 2024-2025 Tour Concert</p><p style="margin: 0;"><a href="#" style="border: 1px solid #00AEEF; border-radius: 10px; padding: 5px 10px;">Detail</a> <a href="#" style="border: 1px solid #00AEEF; border-radius: 10px; padding: 5px 10px;">Edit</a></p><p style="margin: 0;">2024.12.15-2025.01.03</p><p style="margin: 0;">[Hong Kong, China] Hong Kong Coliseum</p></div> <div style="background-color: #f0f0f0; padding: 10px; border-radius: 10px; margin-top: 10px;"><p style="margin: 0;">JJ Lin JJ20 World Tour Concert-Chongqing Station</p><p style="margin: 0;"><a href="#" style="border: 1px solid #00AEEF; border-radius: 10px; padding: 5px 10px;">Detail</a> <a href="#" style="border: 1px solid #00AEEF; border-radius: 10px; padding: 5px 10px;">Edit</a></p><p style="margin: 0;">2024.11.01-2024.11.03</p><p style="margin: 0;">[Chongqing] Chongqing Olympic Sports Center Stadium</p></div></div>	<b>Categories</b>	Concerts	Drama	Ballet	Sports	<b>Location</b>	All	Beijing	Shanghai	Shenzhen	<b>Date</b>	All	Today	Last three days	Last 30 days
<b>Categories</b>	Concerts	Drama	Ballet	Sports												
<b>Location</b>	All	Beijing	Shanghai	Shenzhen												
<b>Date</b>	All	Today	Last three days	Last 30 days												

20 - List Events Page - Administrator

**Admin Event List**

Add

Administrator123

Categories	Concerts	Drama	Ballet	Sports
Location	All	Beijing	Shanghai	Shenzhen
Date	All	Today	Last three days	Last 30 days

**Detail** **Edit** **Delete**

Are you sure Delete the Event

Yes      No

**024-2025 Tour Concert**  
[Chongqing] Chongqing Olympic Sports Center Stadium

**Detail** **Edit** **Delete**

JJ Lin JJ20 World Tour Concert-Chongqing Station  
2024.11.01-2024.11.03  
[Chongqing] Chongqing Olympic Sports Center Stadium

16 - Delete Events - Confirmation Dialog

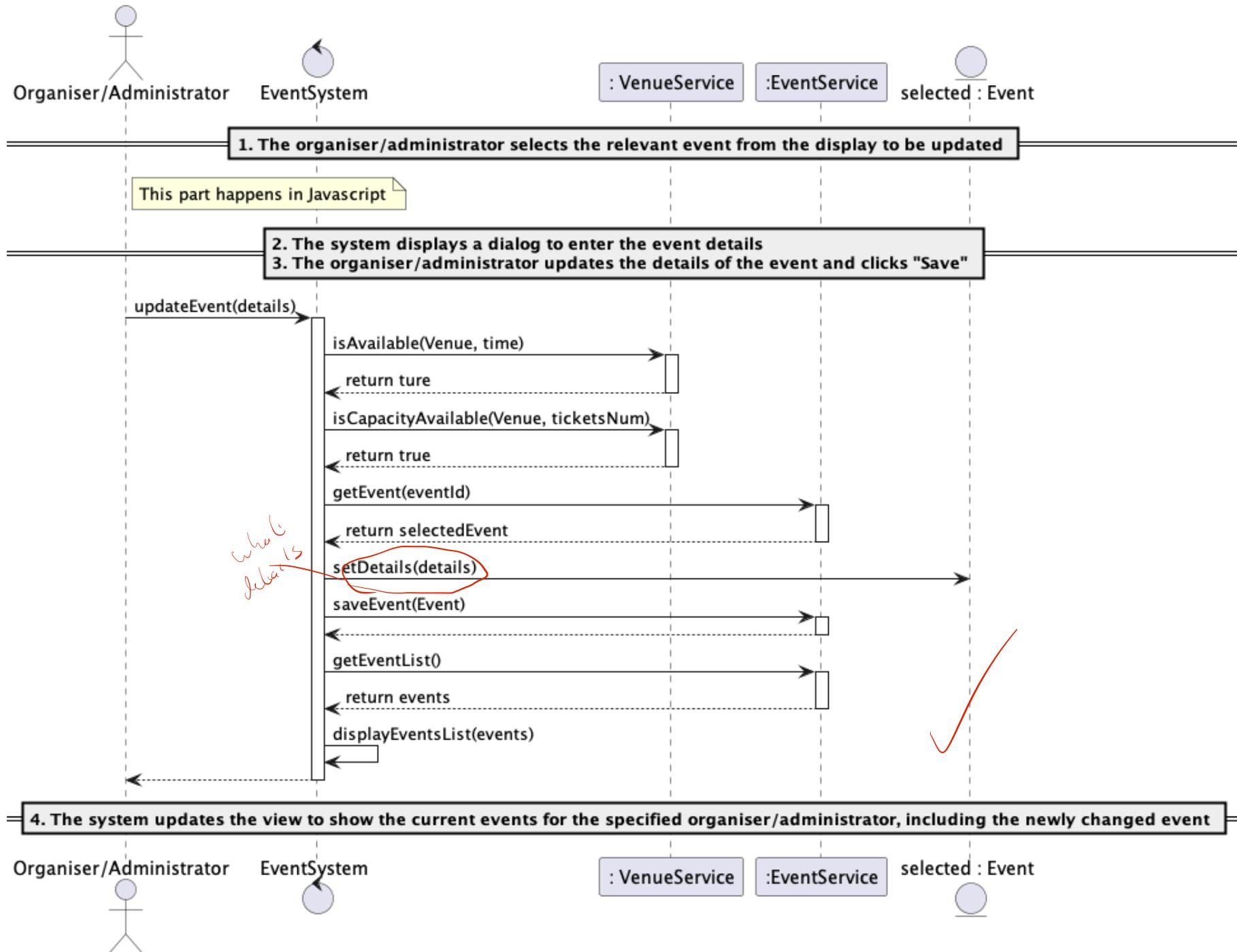
Filename - 02-analysis/usecases/docs/08-update-event.md

## Use Case 08 - Update Event

### 01 - Basic course of events

1. The organiser/administrator selects the relevant event from the display to be updated
2. The system displays a dialog to enter the event details
3. The organiser/administrator updates the details of the event and clicks “Save”
4. The system updates the view to show the current events for the specified organiser/administrator, including the newly changed event

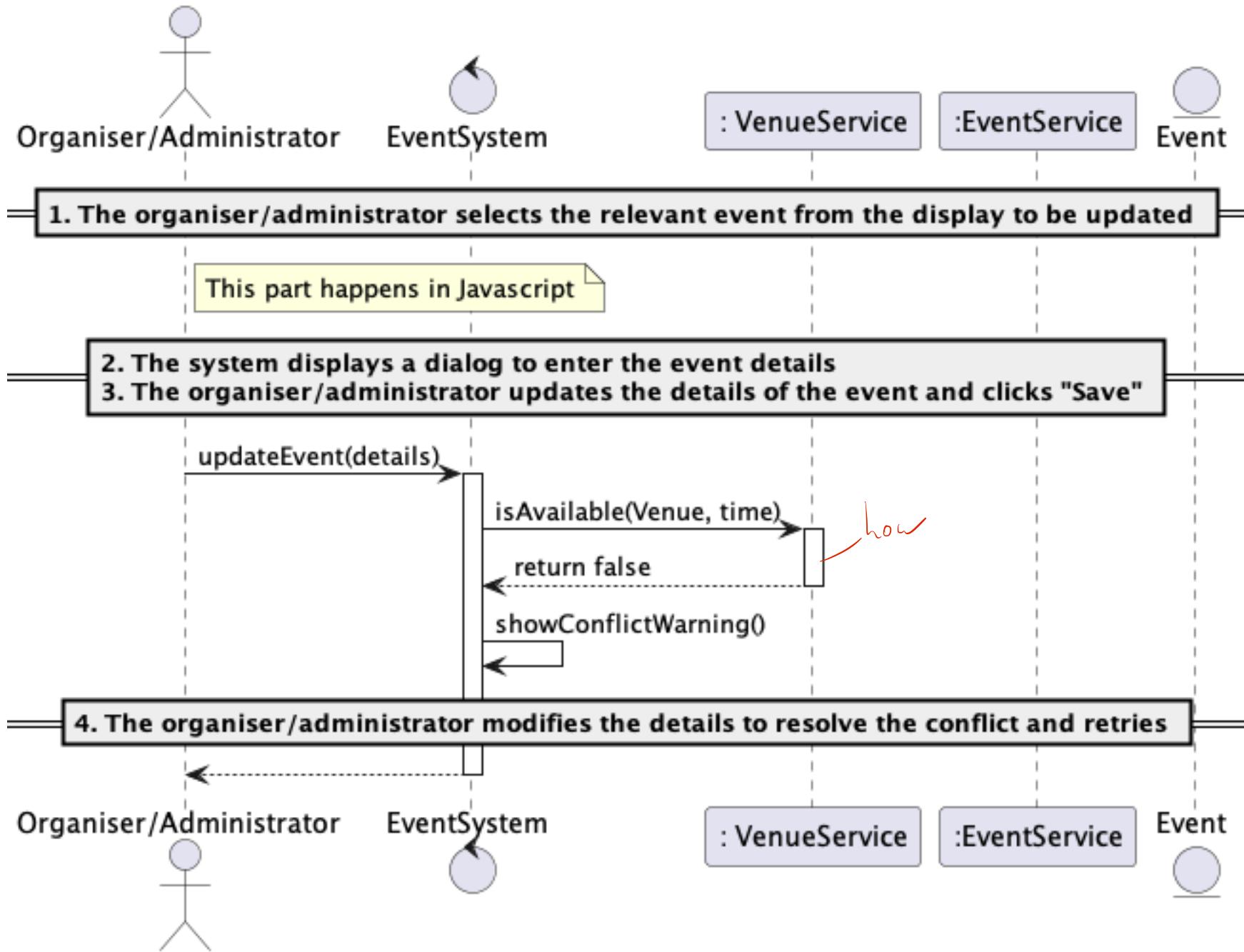
## Update Event - 01 Basic Course of Events



## **02 - Alternate Course of Events - Booking Clash**

1. The organiser/administrator selects the relevant event from the display to be updated
2. The system displays a dialog to enter the event details
3. The organiser/administrator updates the details of the event and clicks “Save”
4. The system warns the organiser/administrator that this event if created would conflict with an existing event. The organiser is allowed to modify the details of the event and can continue the use case from step 4 of the basic course of events

## Update Event – 02 Alternate Course of Events (Booking Clash)



### 03 - Alternate Course of Events - Do not update

1. The organiser/administrator selects the relevant event from the display to be updated
2. The system displays a dialog to enter the event details
3. The organiser/administrator updates the details of the event and clicks “Cancel”
4. The system returns to the List Events page of the application

In this case, all interactions are completed within the javascript of the view majors page. No request is made to the server and no response is received.

### Related UI Prototypes

Tile	Page																							
	<p style="text-align: center;"><b>Admin Event List</b></p> <p style="text-align: right;"> Administrator123</p> <table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>Categories</th><th>Concerts</th><th>Drama</th><th>Ballet</th><th>Sports</th></tr></thead><tbody><tr><td><b>Location</b></td><td>All</td><td>Beijing</td><td>Shanghai</td><td>Shenzhen</td></tr><tr><td><b>Date</b></td><td>All</td><td>Today</td><td>Last three days</td><td>Last 30 days</td></tr></tbody></table> <div style="margin-top: 20px;"><table border="1" style="width: 100%; border-collapse: collapse;"><tbody><tr><td style="width: 15%; text-align: center;"><a href="#">Detail</a></td><td style="width: 15%; text-align: center;"><a href="#">Edit</a></td><td style="width: 15%; text-align: center;"><a href="#">Delete</a></td><td>Andy Lau's "Today...is the Day" 2024-2025 Tour Concert 2024.12.15-2025.01.03 [Hong Kong, China] Hong Kong Coliseum</td></tr></tbody></table></div> <div style="margin-top: 20px;"><table border="1" style="width: 100%; border-collapse: collapse;"><tbody><tr><td style="width: 15%; text-align: center;"><a href="#">Detail</a></td><td style="width: 15%; text-align: center;"><a href="#">Edit</a></td><td style="width: 15%; text-align: center;"><a href="#">Delete</a></td><td>JJ Lin JJ20 World Tour Concert-Chongqing Station 2024.11.01-2024.11.03 [Chongqing] Chongqing Olympic Sports Center Stadium</td></tr></tbody></table></div>	Categories	Concerts	Drama	Ballet	Sports	<b>Location</b>	All	Beijing	Shanghai	Shenzhen	<b>Date</b>	All	Today	Last three days	Last 30 days	<a href="#">Detail</a>	<a href="#">Edit</a>	<a href="#">Delete</a>	Andy Lau's "Today...is the Day" 2024-2025 Tour Concert 2024.12.15-2025.01.03 [Hong Kong, China] Hong Kong Coliseum	<a href="#">Detail</a>	<a href="#">Edit</a>	<a href="#">Delete</a>	JJ Lin JJ20 World Tour Concert-Chongqing Station 2024.11.01-2024.11.03 [Chongqing] Chongqing Olympic Sports Center Stadium
Categories	Concerts	Drama	Ballet	Sports																				
<b>Location</b>	All	Beijing	Shanghai	Shenzhen																				
<b>Date</b>	All	Today	Last three days	Last 30 days																				
<a href="#">Detail</a>	<a href="#">Edit</a>	<a href="#">Delete</a>	Andy Lau's "Today...is the Day" 2024-2025 Tour Concert 2024.12.15-2025.01.03 [Hong Kong, China] Hong Kong Coliseum																					
<a href="#">Detail</a>	<a href="#">Edit</a>	<a href="#">Delete</a>	JJ Lin JJ20 World Tour Concert-Chongqing Station 2024.11.01-2024.11.03 [Chongqing] Chongqing Olympic Sports Center Stadium																					

19 - List Events Page - Organiser

**Founded Events**[Add](#)

Organizer123456

**Categories**

Concerts   Drama   Ballet   Sports

**Location**

All   Beijing   Shanghai   Shenzhen

**Date**

All   Today   Last three days   Last 30 days

[Detail](#)[Edit](#)

Andy Lau's "Today...is the Day" 2024-2025 Tour Concert

2024.12.15-2025.01.03

[Hong Kong, China] Hong Kong Coliseum

[Detail](#)[Edit](#)

JJ Lin JJ20 World Tour Concert-Chongqing Station

2024.11.01-2024.11.03

[Chongqing] Chongqing Olympic Sports Center Stadium

20 - List Events Page - Administrator

**Edit Event**

Organizer123456

Andy Lau's "Today...is the Day" 2024-2025  
Tour Concert

Liu Dehua concert in Hong Kong

2024.12.15-2025.01.03

Premium   [» check more](#)

[Hong Kong, China] Hong Kong Coliseum

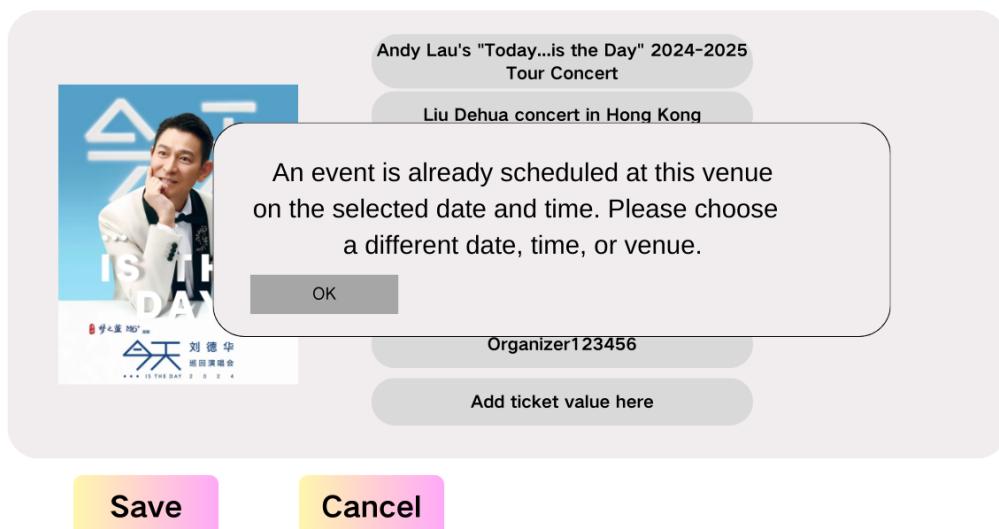
Organizer123456

Add ticket value here

[Save](#)[Cancel](#)

25 - Update Event Page

## Edit Event



25 - Update Event Dialog - Time and Venue Clash

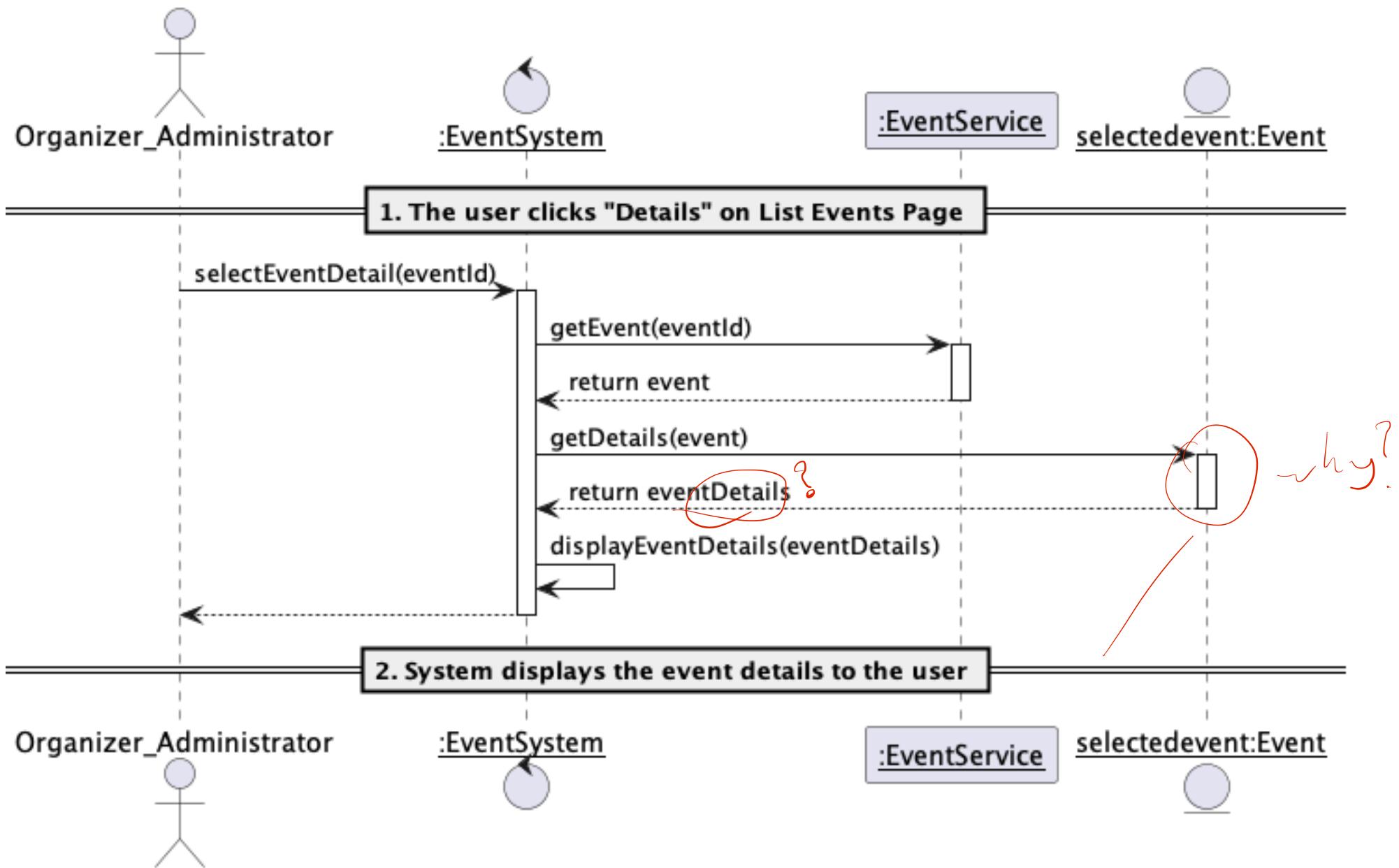
Filename - 02-analysis/usecases/docs/09-view-details-event.md

### Use Case 09 - view details event

#### Basic Course of Events

1. The organiser/administrator clicks the “Details” button for the event they want to view on list events page (**19 - List All Events - Admin**) (**20 - List Owner Events - Organizer**)
2. The system displays the event details (**03 - View Details Event Page**)

## View Event Details – Organizer/Administrator



Related UI Prototypes

## Admin Event List

[Add](#)

Administrator1

**Categories**

Concerts   Drama   Ballet   Sports

**Location**

All   Beijing   Shanghai   Shenzhen

**Date**

All   Today   Last three days   Last 30 days

[Detail](#)[Edit](#)[Delete](#)**Andy Lau's "Today...is the Day" 2024-2025 Tour Concert****2024.12.15-2025.01.03****[Hong Kong, China] Hong Kong Coliseum**[Detail](#)[Edit](#)[Delete](#)**JJ Lin JJ20 World Tour Concert-Chongqing Station****2024.11.01-2024.11.03****[Chongqing] Chongqing Olympic Sports Center Stadium**

# Founded Events

[Add](#)

Organizer1234

**Categories**

Concerts   Drama   Ballet   Sports

**Location**

All   Beijing   Shanghai   Shenzhen

**Date**

All   Today   Last three days   Last 30 days

[Detail](#)[Edit](#)**Andy Lau's "Today...is the Day" 2024-2025 Tour Concert****2024.12.15-2025.01.03****[Hong Kong, China] Hong Kong Coliseum**[Detail](#)[Edit](#)**JJ Lin JJ20 World Tour Concert-Chongqing Station****2024.11.01-2024.11.03****[Chongqing] Chongqing Olympic Sports Center Stadium**

20-list owner events|



Organizer1234



### Andy Lau's "Today...is the Day" 2024-2025 Tour Concert

2024.12.15-2025.01.03

[Hong Kong, China] Hong Kong Coliseum

<b>Time</b>	2024-12-17 Tuesday 20:15 2024-12-19 Thursday 20:15	2024-12-18 Wednesday 20:15 2024-12-21 Saturday 20:15
<b>Price</b>	680 face value	980 face value
<b>Number Available</b>	680 face: 0	980 face: 3
<b>Number Sold</b>	680 face: 962	980 face: 632
		1280 face: 14
		1280 face: 182

27-view vent details|

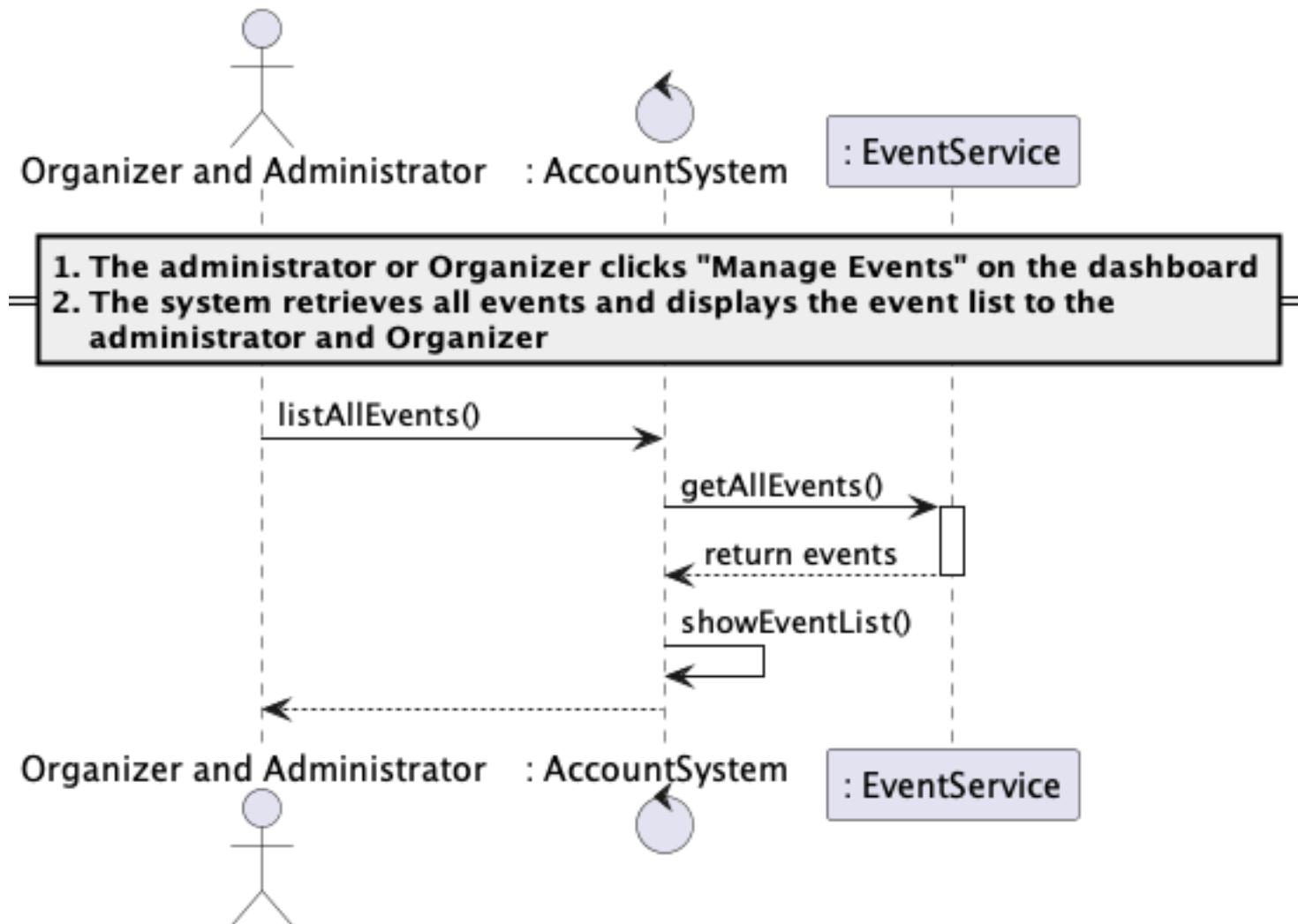
Filename - 02-analysis/usecases/docs/10-list-events.md

## Use Case 10 - List Events

### 01 - Basic Course of Events

1. The administrator clicks the “Manage Events” button on the login page. (04 - Admin Dash Page)
2. Depending on the account, the system navigates to the Admin Event Page or the Founded Events. The system retrieves and displays a list of all events.(19 - Admin Event Page & 20 - Founded Events)

## List all Event



Related UI Prototypes

Welcome Administrator!



[Manage Account](#)

[Manage Venues](#)

[Manage Events](#)

04 - Admin Dash Page

### Admin Event List

Add



**Categories**

Concerts   Drama   Ballet   Sports

**Location**

All   Beijing   Shanghai   Shenzhen

**Date**

All   Today   Last three days   Last 30 days

[Detail](#)

[Edit](#)

[Delete](#)

Andy Lau's "Today...is the Day" 2024–2025 Tour Concert

2024.12.15–2025.01.03

[Hong Kong, China] Hong Kong Coliseum

[Detail](#)

[Edit](#)

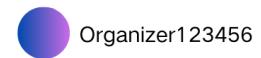
[Delete](#)

JJ Lin JJ20 World Tour Concert-Chongqing Station

2024.11.01–2024.11.03

[Chongqing] Chongqing Olympic Sports Center Stadium

19 - Admin Event Page

**Founded Events****Add****Categories**

Concerts   Drama   Ballet   Sports

**Location**

All   Beijing   Shanghai   Shenzhen

**Date**

All   Today   Last three days   Last 30 days

**Detail****Edit****Andy Lau's "Today...is the Day" 2024-2025 Tour Concert**

2024.12.15-2025.01.03

[Hong Kong, China] Hong Kong Coliseum

**Detail****Edit****JJ Lin JJ20 World Tour Concert-Chongqing Station**

2024.11.01-2024.11.03

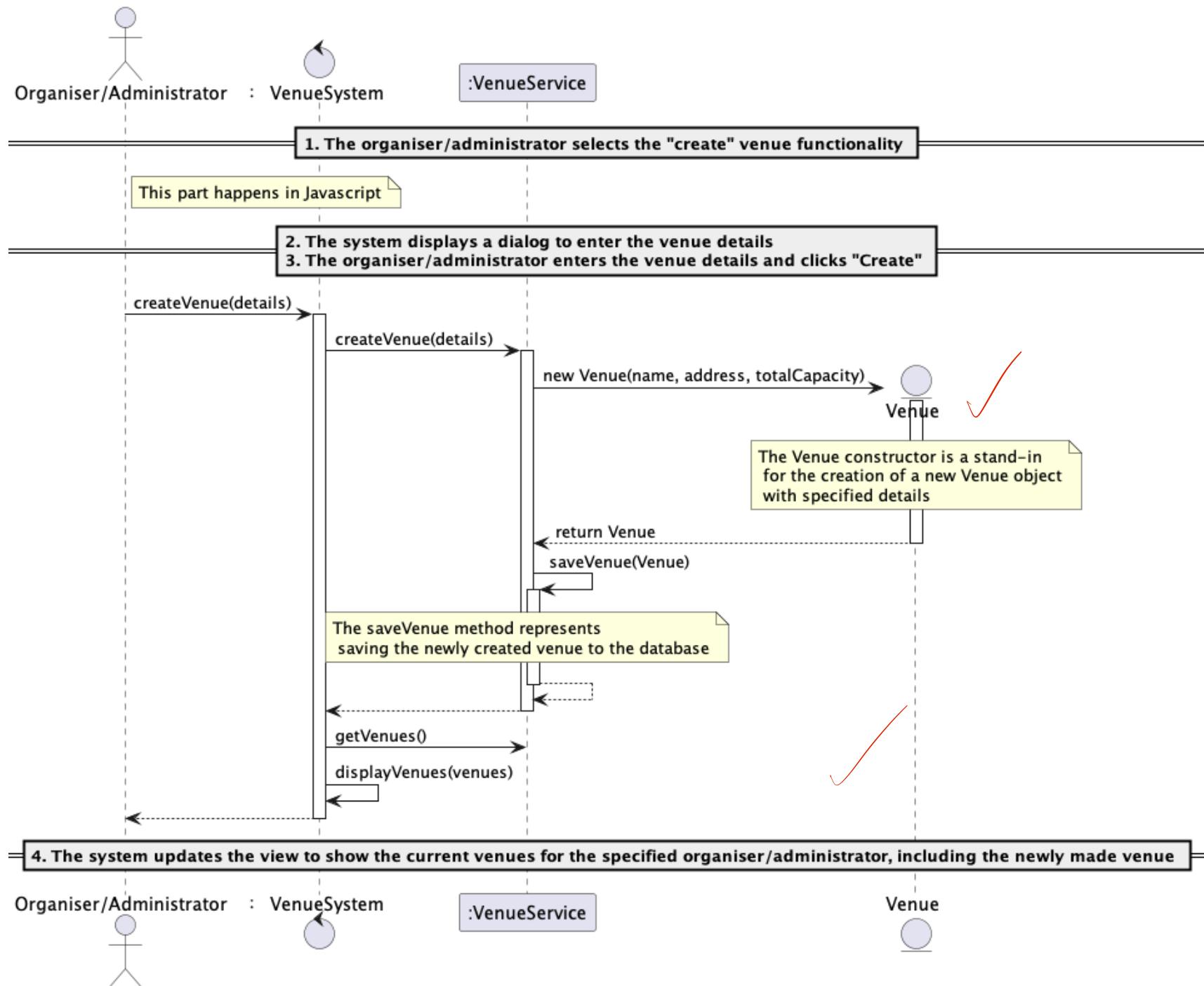
[Chongqing] Chongqing Olympic Sports Center Stadium

20 - Founded Events

**Filename - 02-analysis/usecases/docs/11-create-venue.md****Use Case 11 - Create Venue****01 - Basic Course of Events**

1. The organiser/administrator selects the “create” venue functionality
2. The system displays a dialog to enter the venue details
3. The organiser/administrator enters the venue details and clicks “Create”
4. The system updates the view to show the current venues for the specified organiser/administrator, including the newly made venue

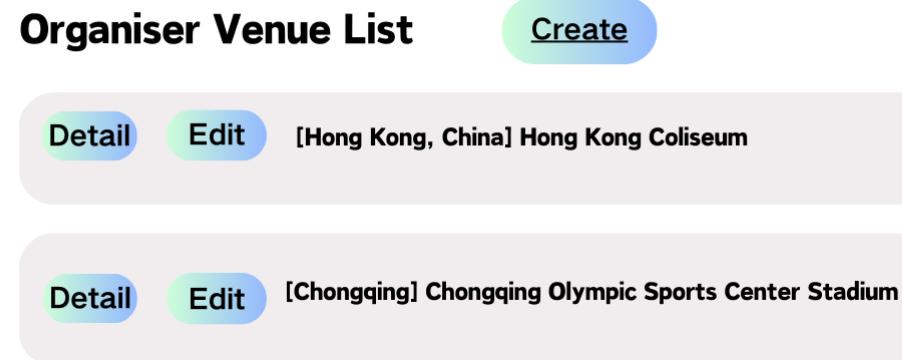
## Create Venue – Basic Course of Events



## Related UI Prototypes

Tile

Page



23 - organizer manage venue Page

## Admin Venue List

[Create](#)[Detail](#)[Edit](#)[Delete](#)

[Hong Kong, China] Hong Kong Coliseum

[Detail](#)[Edit](#)[Delete](#)

[Chongqing] Chongqing Olympic Sports Center Stadium

11 - admin manage venue Page

# Create Venue

Venue name

Address

Total Capacity

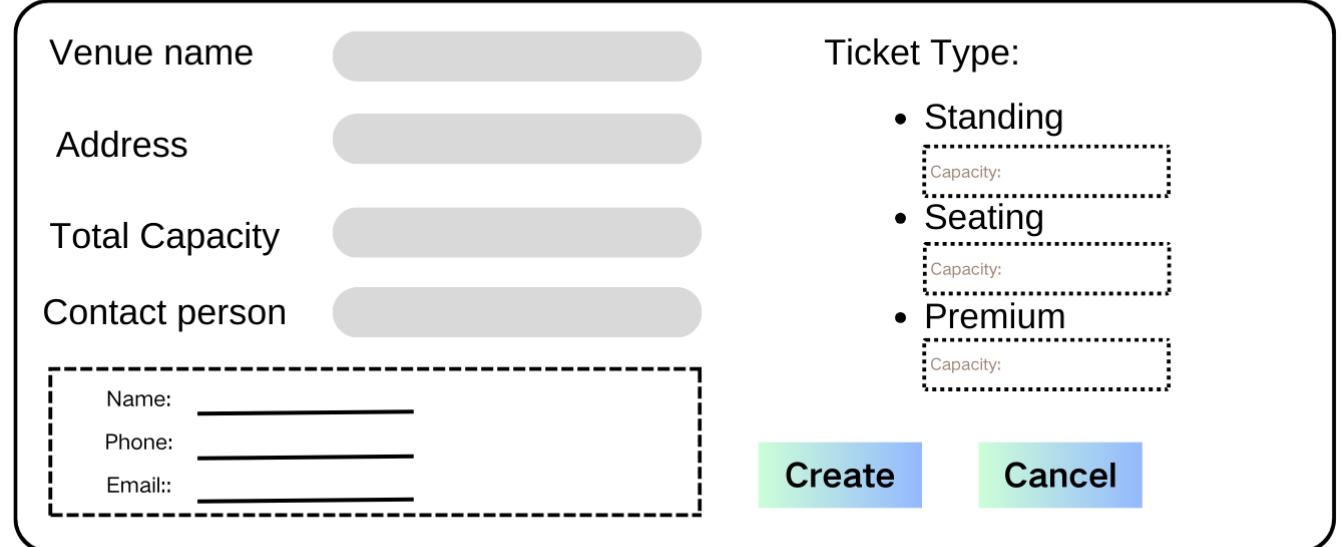
Contact person

Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_

Ticket Type:

- Standing  Capacity: \_\_\_\_\_
- Seating  Capacity: \_\_\_\_\_
- Premium  Capacity: \_\_\_\_\_

**Create** **Cancel**



The image shows a 'Create Venue' form. It has four input fields for basic venue details: 'Venue name', 'Address', 'Total Capacity', and 'Contact person'. Below these is a dashed box containing three input fields for contact information: 'Name', 'Phone', and 'Email'. To the right, there's a section for 'Ticket Type' with three options: 'Standing', 'Seating', and 'Premium', each associated with a capacity input field. At the bottom are 'Create' and 'Cancel' buttons.

14 - create venue Page

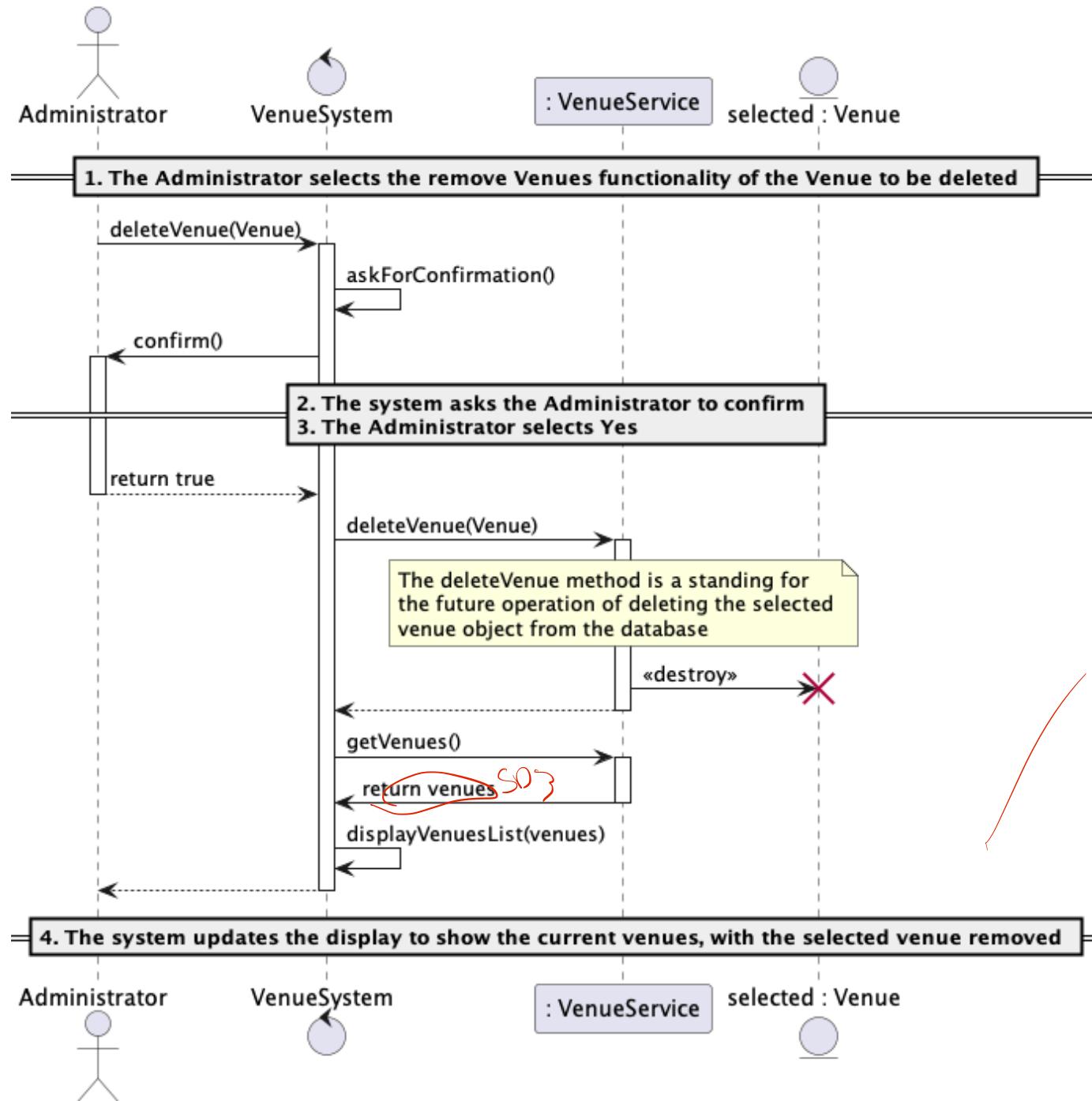
Filename - 02-analysis/usecases/docs/12-delete-venue.md

## Use Case 12 - Delete Venue

### 01 - Basic Course of Events

1. The Administrator selects the remove Venues functionality of the Venue to be deleted
2. The system asks the Administrator to confirm
3. The Administrator selects Yes
4. The system updates the display to show the current venues, with the selected venue removed

## Delete Venue – 01 Basic Course of Events



## Related UI Prototypes

Tile

Page

**Admin Venue List**

[\*\*Create\*\*](#)

	<a href="#">Detail</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
	[Hong Kong, China] <b>Hong Kong Coliseum</b>		
	<a href="#">Detail</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
	[Chongqing] <b>Chongqing Olympic Sports Center Stadium</b>		

11 - admin manage venue Page

## Admin Venue List

[Create](#)

Administrator123

[Detail](#)[Edit](#)[Delete](#)

[Hong Kong, China] Hong Kong Coliseum

[Detail](#)[Edit](#)[Delete](#)

[Chongqing] Chongqing Olympic Sports Center Stadium

Are you sure Delete the Venue

[Yes](#)[No](#)

17 - delete venue Page

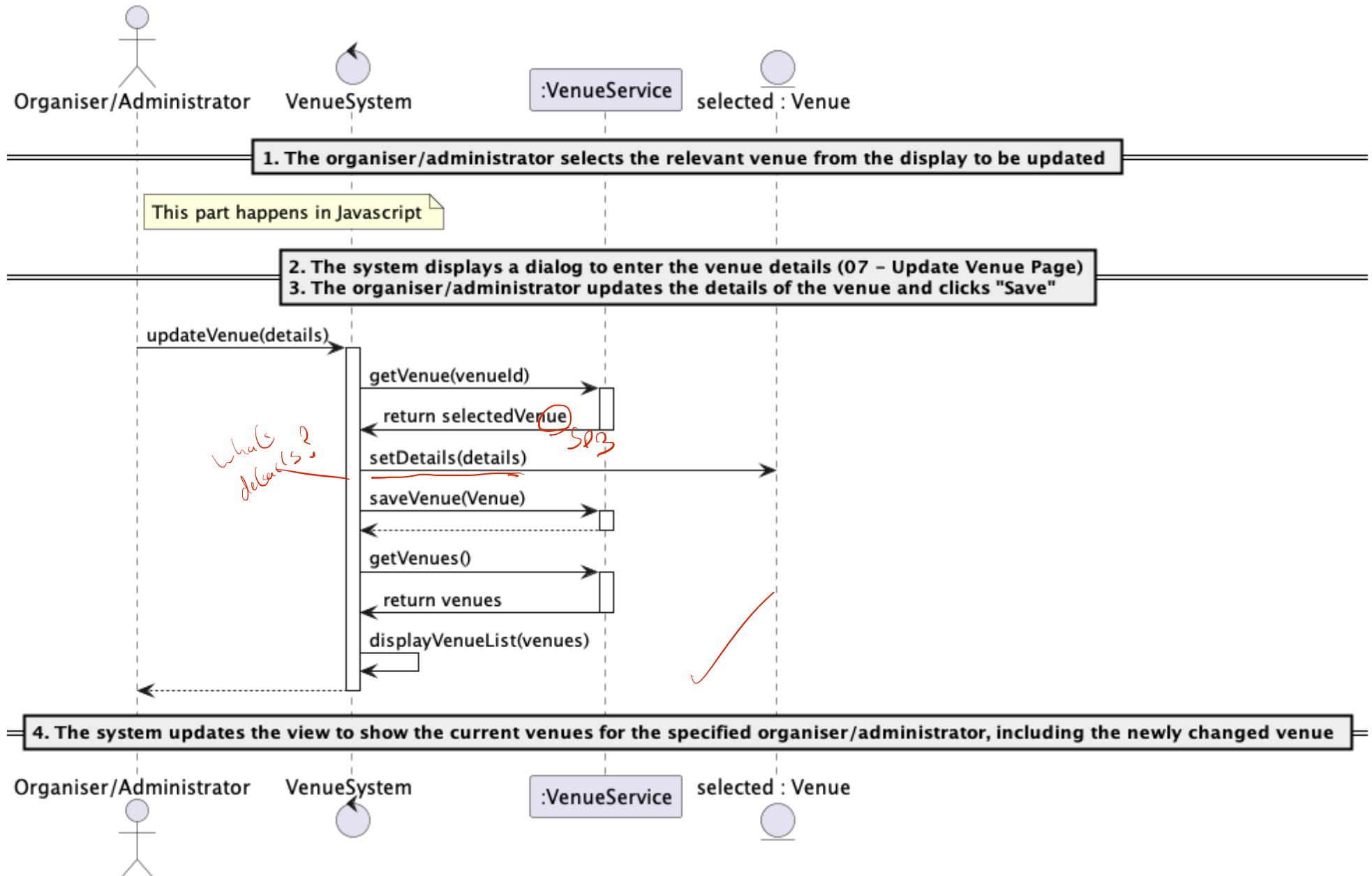
**Filename - 02-analysis/usecases/docs/13-update-venue.md**

### Use Case 13 - Update Venue

#### 01 - Basic Course of Events

1. The organiser/administrator selects the relevant venue from the display to be updated
2. The system displays a dialog to enter the venue details
3. The organiser/administrator updates the details of the venue and clicks “Save”
4. The system updates the view to show the current venues for the specified organiser/administrator, including the newly changed venue

## Update Venue - 01 Basic Course of Events



Related UI Prototypes

## Organiser Venue List

[Create](#)[Detail](#)[Edit](#)

[Hong Kong, China] Hong Kong Coliseum

[Detail](#)[Edit](#)

[Chongqing] Chongqing Olympic Sports Center Stadium

23 - organizer manage venue Page

## Admin Venue List

[Create](#)[Detail](#)[Edit](#)[Delete](#)

[Hong Kong, China] Hong Kong Coliseum

[Detail](#)[Edit](#)[Delete](#)

[Chongqing] Chongqing Olympic Sports Center Stadium

11 - admin manage venue Page

# Edit Venue

Venue name	Chongqing Olympic Sports Center Stadium						
Address	Yuanjiagang, Jiulongpo District, Chongqing, China						
Total Capacity	60200						
Contact person	Organizer123456						
<table border="1"><tr><td>Name:</td><td>Organizer123456</td></tr><tr><td>Phone:</td><td>17185920604</td></tr><tr><td>Email::</td><td>123456123@gmail.com</td></tr></table>		Name:	Organizer123456	Phone:	17185920604	Email::	123456123@gmail.com
Name:	Organizer123456						
Phone:	17185920604						
Email::	123456123@gmail.com						

**Ticket Type:**

- Standing  
Capacity: 60200
- Seating  
Capacity: 15000
- Premium  
Capacity: 600

**Save**    **Cancel**

17 - update venue Page

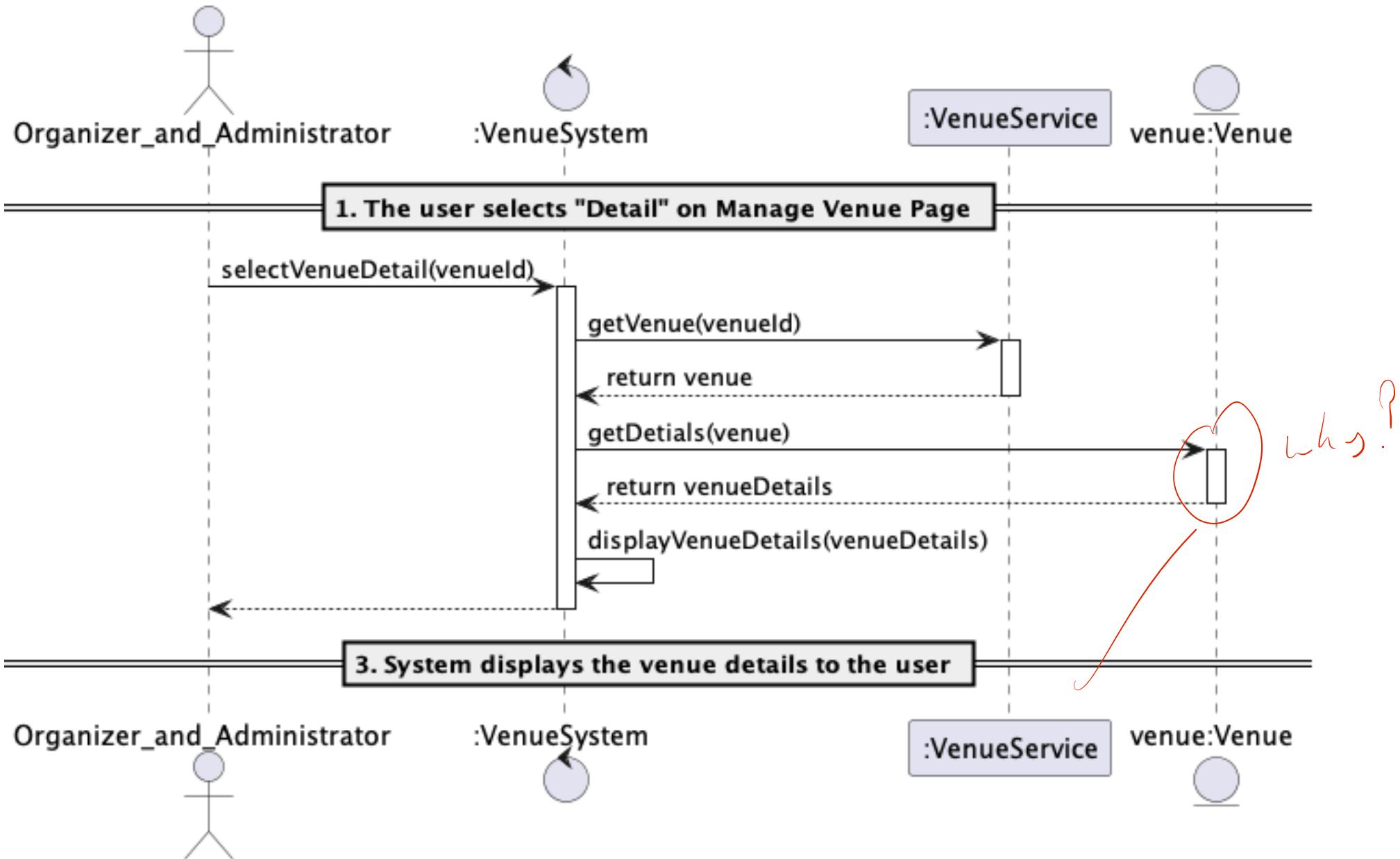
Filename - 02-analysis/usecases/docs/14-view-details-venue.md

## Use Case 14 - View Venue Details

### 01 - Basic Course of Events - View Venue Details

1. The user selects “Detail” on specific venue from the list of existing venues (**01 -Manage Venue Page**)
2. The system displays the venue details to the user (**02 -Venue Detail Page**)

## View Venue Details – Organizer/Administrator



Related UI Prototypes

## Organiser Venue List

[Create](#)[Detail](#)[Edit](#)**[Hong Kong, China] Hong Kong Coliseum**[Detail](#)[Edit](#)**[Chongqing] Chongqing Olympic Sports Center Stadium**

01 - Organiser Manage Venue Page

## Admin Venue List

[Create](#)[Detail](#)[Edit](#)[Delete](#)**[Hong Kong, China] Hong Kong Coliseum**[Detail](#)[Edit](#)[Delete](#)**[Chongqing] Chongqing Olympic Sports Center Stadium**

02 - Admin Manage Venue Page

# Edit Venue

Venue name	Chongqing Olympic Sports Center Stadium						
Address	Yuanjiagang, Jiulongpo District, Chongqing, China						
Total Capacity	60200						
Contact person	Organizer123456						
<table border="1"><tr><td>Name:</td><td>Organizer123456</td></tr><tr><td>Phone:</td><td>17185920604</td></tr><tr><td>Email:</td><td>123456123@gmail.com</td></tr></table>		Name:	Organizer123456	Phone:	17185920604	Email:	123456123@gmail.com
Name:	Organizer123456						
Phone:	17185920604						
Email:	123456123@gmail.com						

**Ticket Type:**

- Standing
- Seating
- Premium

Capacity: 60200  
Capacity: 15000  
Capacity: 600

**Save** **Cancel**

03 - Venue Detail Page

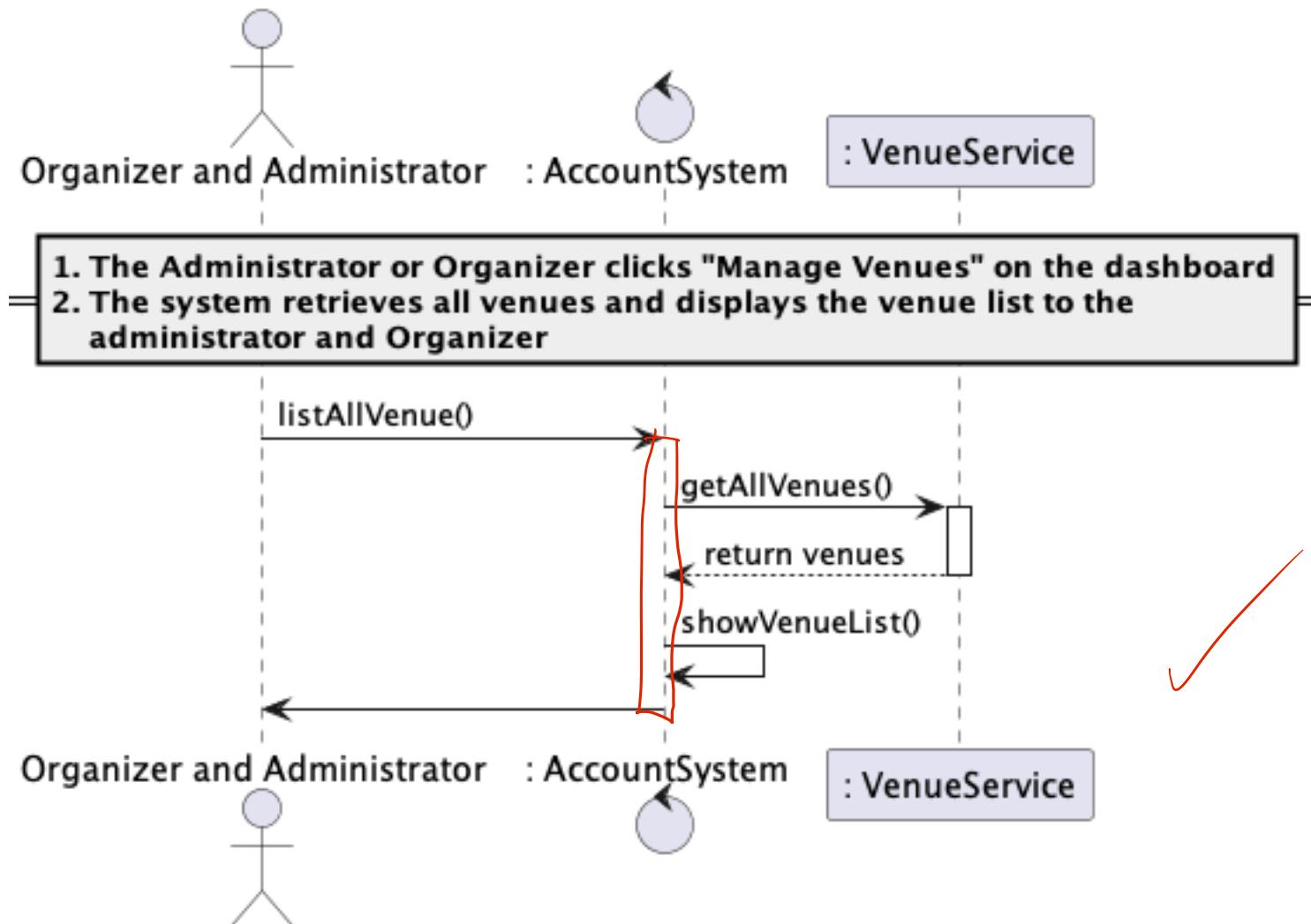
**Filename - 02-analysis/usecases/docs/15-list-venues.md**

## Use Case 15 - List Venues

### 01 - Basic Course of Events

1. The administrator clicks the “Manage Venues” button on the login page. (04 - Admin Dash Page)
2. Depending on the account, the system navigates to the Admin Event Page or the Founded Events. The system retrieves and displays a list of all venues. (11 - Admin Venue List & 23 - Organizer Venue List)

## List all Venues



Related UI Prototypes

Welcome Administrator!



[Manage Account](#)

[Manage Venues](#)

[Manage Events](#)

04 - Admin Dash Page

### Admin Venue List

[Create](#)

[Detail](#) [Edit](#) [Delete](#) [Hong Kong, China] Hong Kong Coliseum

[Detail](#) [Edit](#) [Delete](#) [Chongqing] Chongqing Olympic Sports Center Stadium

11 - Admin Venue List

**Organiser Venue List** [Create](#)

Detail	Edit	[Hong Kong, China] Hong Kong Coliseum
--------	------	---------------------------------------

Detail	Edit	[Chongqing] Chongqing Olympic Sports Center Stadium
--------	------	---

23 - Organizer Venue List

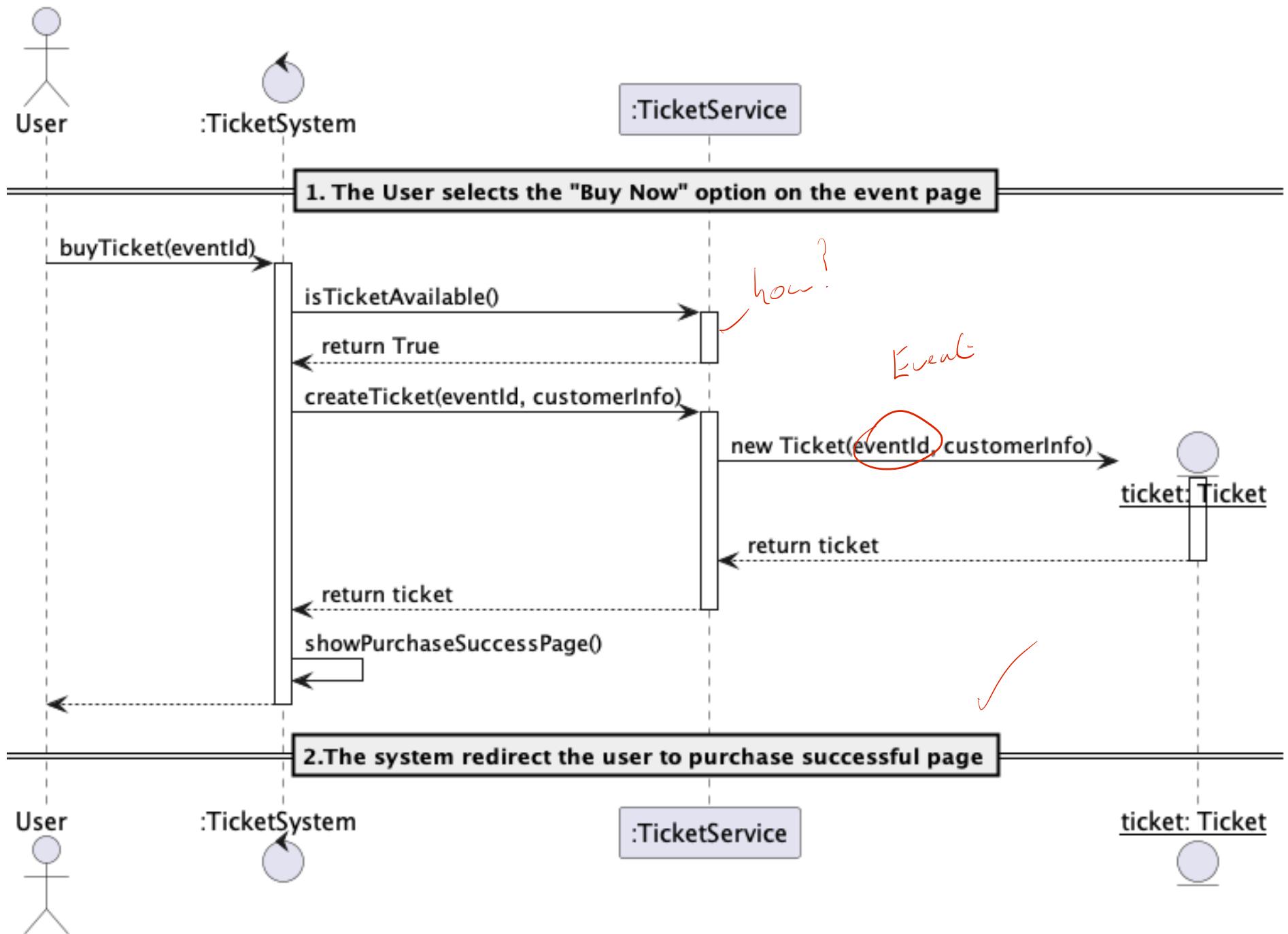
**Filename - 02-analysis/usecases/docs/16-create-ticket.md**

## Use Case 16 - Create Tickets

### 01 - Basic Course of Events - Create Tickets Successful

1. User clicked “Buy now” button on the event page.
2. The system redirect the user to purchase successful page.

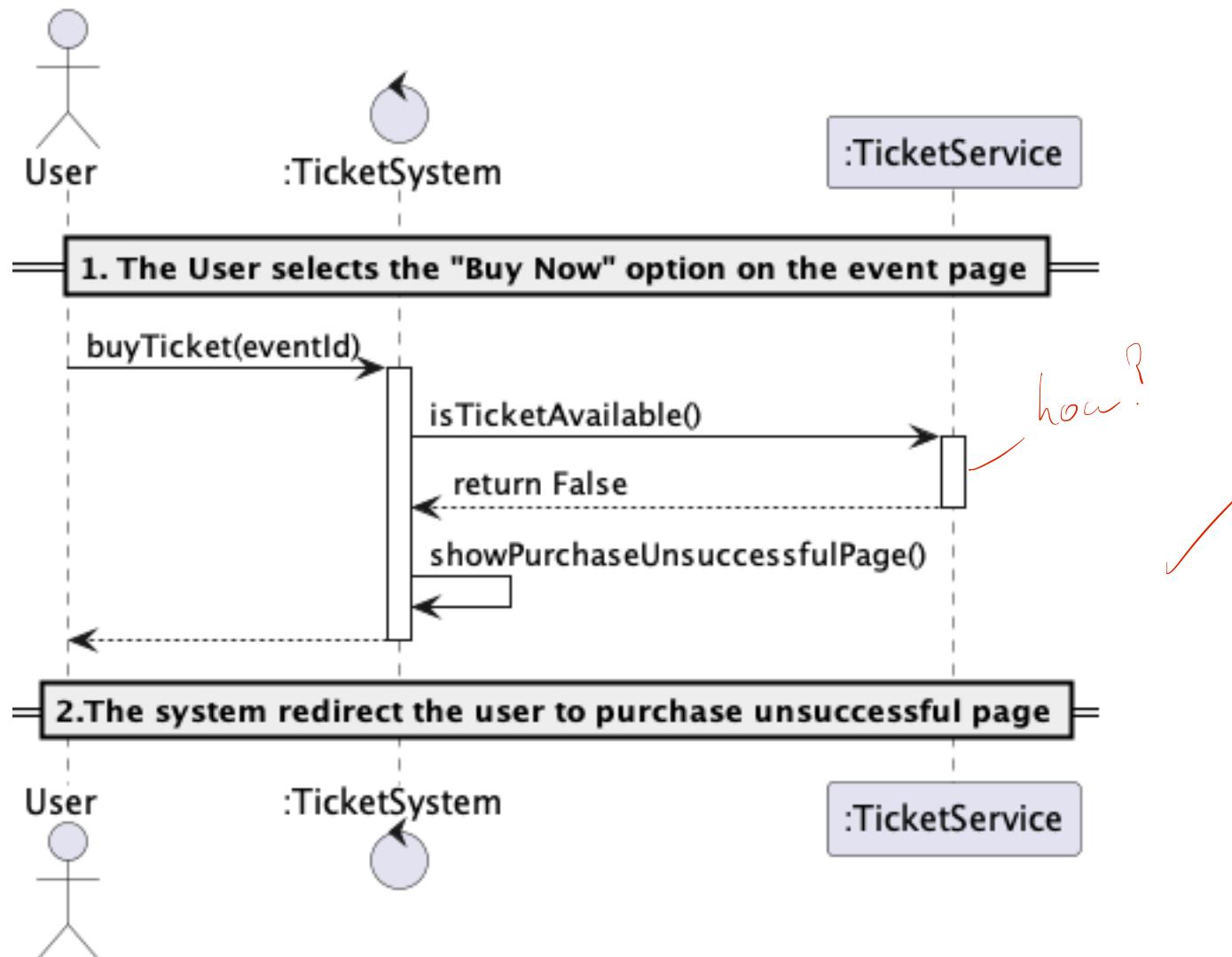
## Buy Ticket Successful – User



## 02 - Alternative Courses of Events - No Tickets Available

1. The User selects the "Buy Now" option on the event page
2. The system redirect the user to purchase unsuccessful page.

### Buy Ticket Unsuccessful – User



Related UI Prototypes

## Buy Ticket

User123456789

CategoriesConcertsDramaBalletSports

LocationAllBeijingShanghaiShenzhen

DateAllTodayLast three daysLast 30 days



Andy Lau's "Today...is the Day" 2024-2025 Tour Concert

From ¥680

Buy Now

2024.12.15-2025.01.03

[Hong Kong, China] Hong Kong Coliseum

Detail



JJ Lin JJ20 World Tour Concert-Chongqing Station

From ¥680

Buy Now

2024.11.01-2024.11.03

[Chongqing] Chongqing Olympic Sports Center Stadium

Detail

01 - Buy Tickets Page

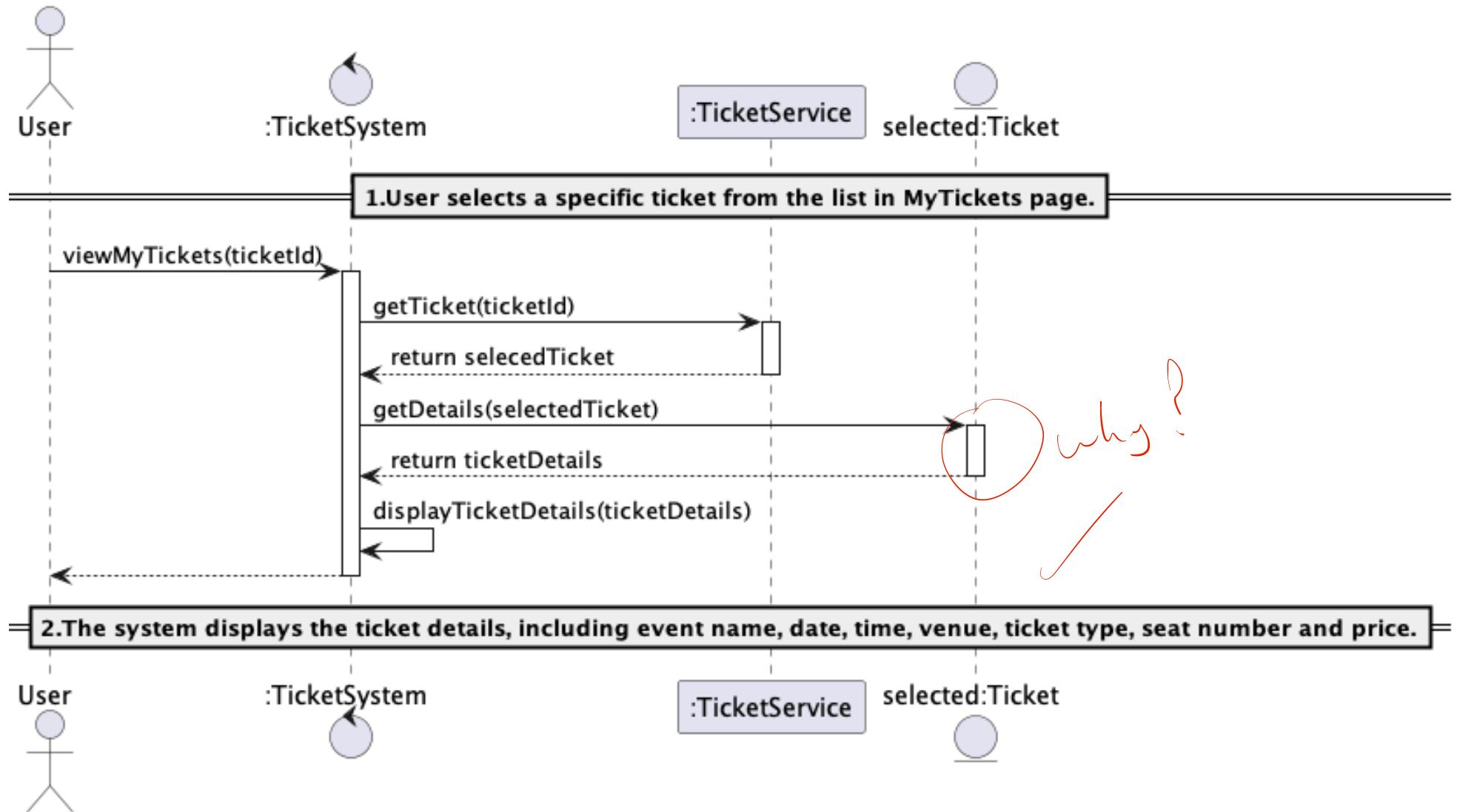
Filename - 02-analysis/usecases/docs/17-view-ticket-details.md

## Use Case 17 - View Ticket Details

### 01 - Basic Course of Events - View Tickets Details

1. User selects a specific ticket from the list of purchased tickets. ([My Tickets Page](#))
2. The system displays the ticket details, including event name, date, time, venue, ticket type, seat number (if applicable), and price. ([Tickets Detail Page](#))

## View Ticket Details – User



Related UI Prototypes

## MyTickets

Name: Andy Lau's "Today...is the Day" 2024-2025 Tour Concert  
Type: Concert  
Showtimes Tickets: 2024-12-17 Tuesday 20:15  
Ticket Type: ¥1280 face value  
Location: [Hong Kong, China] Hong Kong Coliseum

[Detail](#)

Name: JJ Lin JJ20 World Tour Concert-Chongqing Station  
Type: Concert  
Showtimes Tickets: 2024-11-01 Tuesday 20:15  
Ticket Type: ¥980 face value  
Location: [Chongqing] Chongqing Olympic Sports Center Stadium

[Detail](#)

01 - My Tickets Page

## Tickets Detail



**Andy Lau's "Today...is the Day" 2024-2025 Tour Concert**  
**2024.12.15-2025.01.03**  
**[Hong Kong, China] Hong Kong Coliseum**

 User123456789

---

<b>Time</b>	2024-12-17 Tuesday 20:15	2024-12-18 Wednesday 20:15
	2024-12-19 Thursday 20:15	2024-12-21 Saturday 20:15

---

<b>Ticket</b>	680 face value	980 face value	1280 face value
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**Select quantity** 1 2 3 4 5

Total ¥3413.7

02 - Tickets Details Page

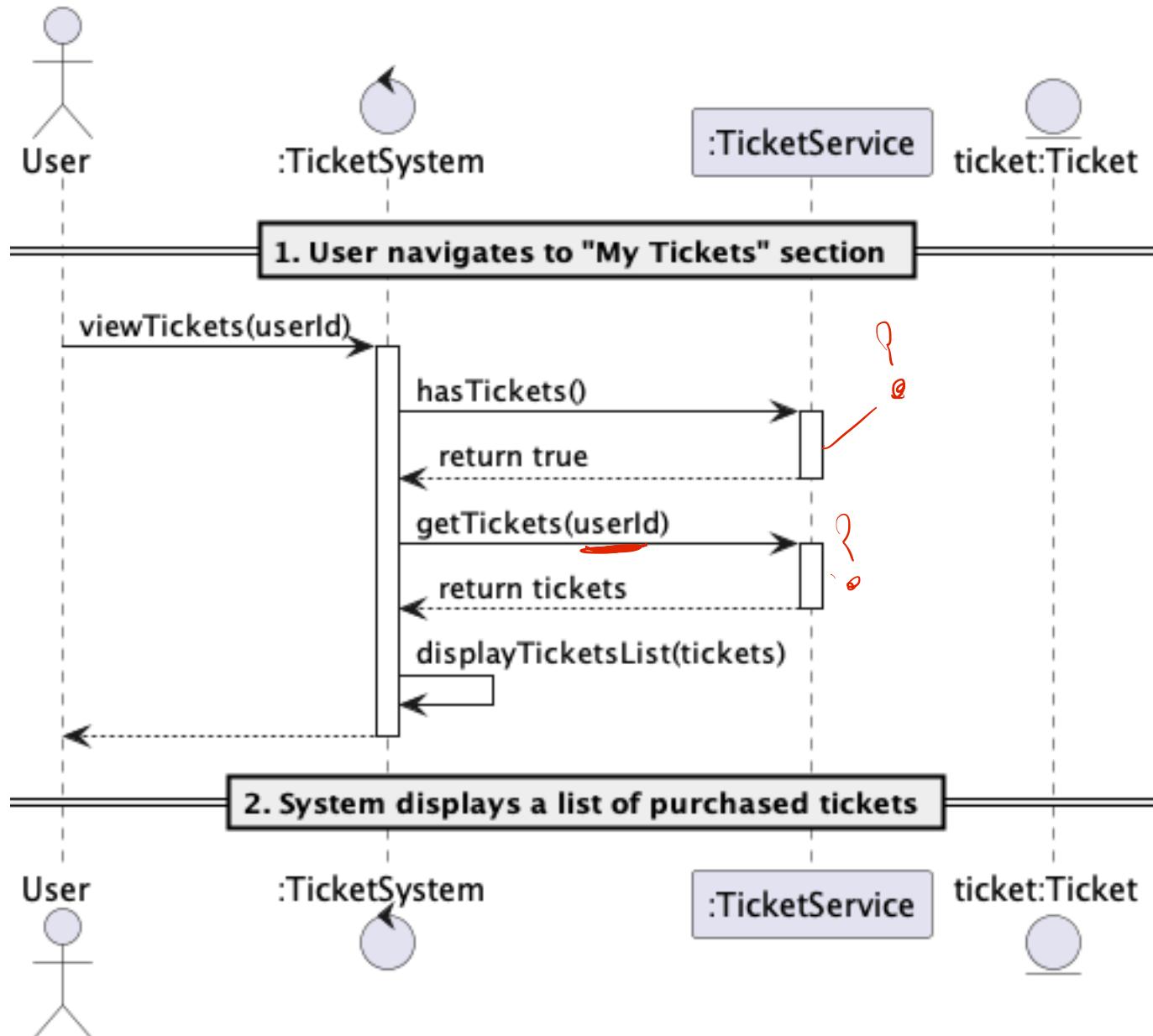
Filename - 02-analysis/usecases/docs/18-my-tickets.md

## Use Case 18 - My Tickets

### 01 - Basic Course of Events - View My Tickets

1. User navigates to the “My Tickets” section of the application. ([UserDashBoard page](#))
2. The system displays a list of purchased tickets ([My Tickets Page](#))

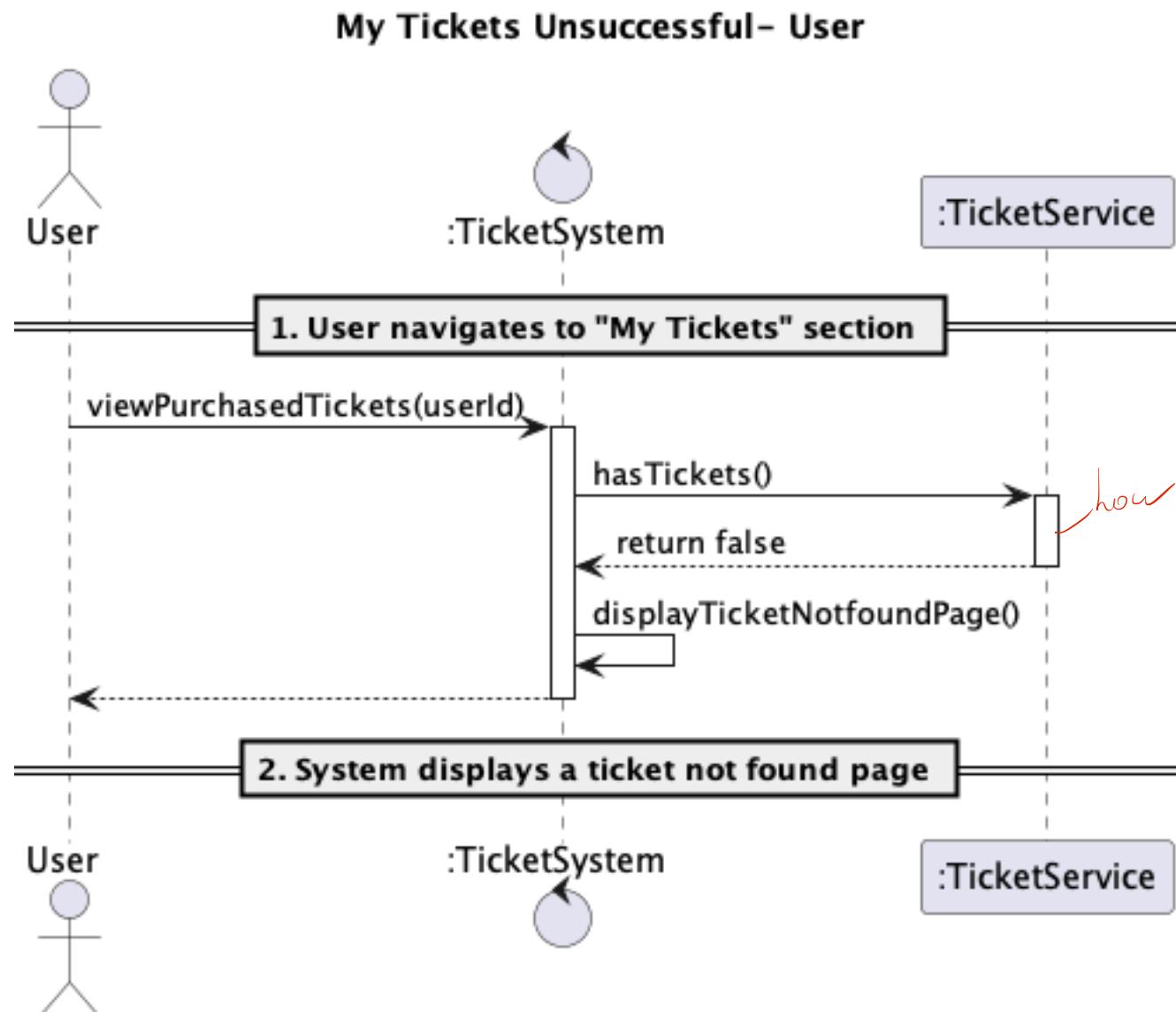
## My Tickets – User



### 02 - Alternative Courses of Events - No Tickets Exist

1. User navigates to the "My Tickets" section of the application. (**UserDashBoard** page)

2. The system displays a message indicating that there are no purchased tickets.



Related UI Prototypes

# Welcome User!



User123456789

[\*\*Purchase Tickets\*\*](#)[\*\*My Tickets\*\*](#)

# MyTickets



User1234



Name: Andy Lau's "Today...is the Day" 2024-2025 Tour Concert

[Detail](#)

Type: Concert

Showtimes Tickets: 2024-12-17 Tuesday 20:15

Ticket Type: ¥1280 face value

Location: [Hong Kong, China] Hong Kong Coliseum



Name: JJ Lin JJ20 World Tour Concert-Chongqing Station

[Detail](#)

Type: Concert

Showtimes Tickets: 2024-11-01 Tuesday 20:15

Ticket Type: ¥980 face value

Location: [Chongqing] Chongqing Olympic Sports Center Stadium