

## **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 05***

This report details the work that was completed by together by all team members for the Analysis phase of the project.

### **Team Members**

Number	Name	Email(s)	CSGitLab Username
TM1	Wang Shuhan	shuhan.wang@ucdconnect.ie	@WangShuhan
TM2	Gu Ruixin	ruixin.gu@ucdconnect.ie	@RuixinGu
TM3	Rong Yuze	yuze.rong@ucdconnect.ie	@22207274
TM4	An Ran	ran.am@ucdconnect.ie	@RanAnQWQ
TM5	Li Siying	siying.li@ucdconnect.ie	@siying.li
TM6	Shen Jinyan	jinyan.shen@ucdconnect.ie	@Shen_Jinyan
TM7	Wan Zitong	zitong.wan@ucdconnect.ie	@Rostiute
TM8	Qin Chenle	chenle.qin@ucdconnect.ie	@22207284

## **Milestone 2 Requirements 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.

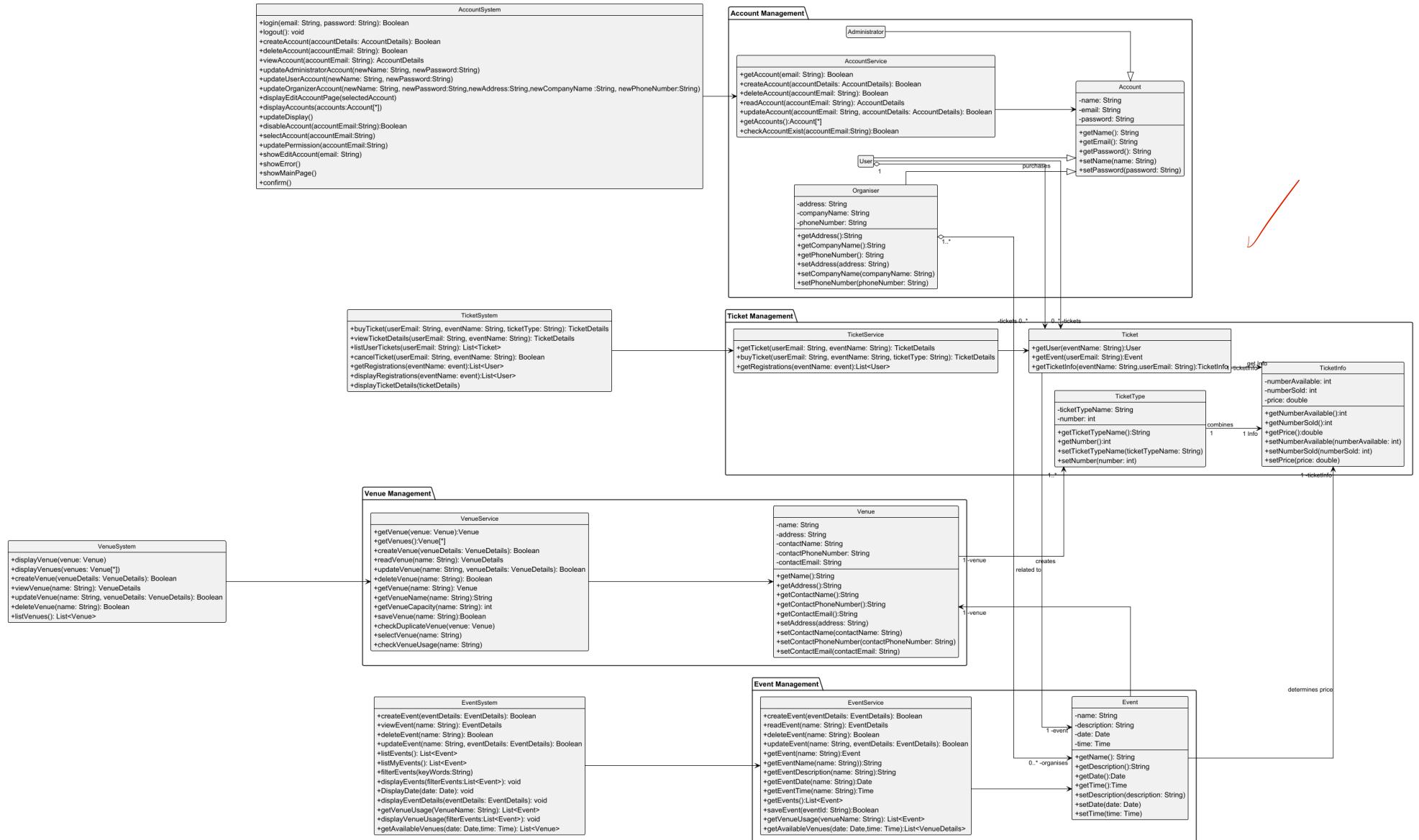
### **Distribution of work on this milestone**

#### **Overall Distribution of Work**

Team Member	TM1	TM2	TM3	TM4	TM5	TM6	TM7	TM8
Percentage	12%	13%	13%	12%	12%	12%	13%	13%

### **Class Diagram**

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



## Description of Responsibilities

Description of Responsibilities

### Class Diagram Description - Responsibilities

#### Account Management

**Account** The **Account** class represents a generic account in the system. It stores account information like name, email, and password. It provides getter and setter methods to access and modify the account attributes.

**Administrator** The **Administrator** class is a subclass of the **Account** class. It represents an account with administrative privileges, inheriting common attributes and methods from the **Account** superclass.

**Organiser** The **Organiser** class is a concrete subclass of the **Account** class. It represents an event organizer with additional attributes such as address, company name, and phone number. It provides methods to manage these additional attributes.

**User** The **User** class is another subclass of **Account**, representing a regular user in the system. It inherits basic attributes and functionalities from the **Account** superclass.

**AccountService** The **AccountService** class is responsible for managing all account-related operations, such as creating, deleting, updating, and retrieving accounts. It ensures that the account data is consistent and handles validation checks (e.g., duplicate accounts or invalid permissions).

**AccountCreationRequest** The **AccountCreationRequest** class encapsulates the details required for creating an account, such as account name, email, and password.

**AccountSystem** The **AccountSystem** class acts as a controller, handling interactions with the user interface. It processes user inputs related to account management, such as login, logout, account creation, and updates.

## Venue Management

**Venue** The **Venue** class represents a location where events can take place. It includes information about the venue's name, address, and contact details, along with methods to manage these attributes.

**VenueService** The **VenueService** class manages venue-related operations, including creating, updating, deleting, and retrieving venues. It also handles checks for duplicate venues and the availability of venues for events.

**VenueCreationRequest** The **VenueCreationRequest** class contains details necessary for creating a venue, such as the venue's name, address, and contact information.

**VenueSystem** The **VenueSystem** class serves as a controller for handling venue management use cases, such as displaying venue information and managing venue-related operations.

## Event Management

**Event** The **Event** class represents an event organized in the system. It contains information about the event's name, description, date, and time. It provides methods to manage these attributes.

**EventService** The **EventService** class manages event-related operations, including creating, updating, deleting, and retrieving events. It also tracks venue usage and handles the association between events and venues.

**EventCreationRequest** The **EventCreationRequest** class holds the details required to create an event, such as the event's name, description, date, and time.

**EventSystem** The **EventSystem** class is responsible for processing event-related use cases, such as creating events, viewing event details, and filtering events based on keywords or dates.

## Ticket Management

**Ticket** The **Ticket** class represents a relationship between users and events. It tracks ticket information and user-event associations.

**TicketInfo** The **TicketInfo** class stores information related to tickets, such as the number of tickets available, sold, and their prices. It provides methods to manage ticket details.

**TicketType** The **TicketType** class represents different types of tickets, such as VIP or regular. It tracks the number of tickets of each type and their respective information.

**TicketService** The **TicketService** class manages ticket-related operations, such as buying tickets, viewing ticket details, and managing user registrations for events.

**TicketPurchaseRequest** The **TicketPurchaseRequest** class holds details related to ticket purchases, such as user information, event details, and ticket type.

**TicketSystem** The **TicketSystem** class handles the interaction between the user and ticket-related functionalities, such as purchasing tickets, viewing ticket details, and displaying ticket-related information.

**System Classes** The **AccountSystem**, **VenueSystem**, **EventSystem**, and **TicketSystem** classes serve as controllers, managing user interactions and delegating tasks to their respective service classes. They ensure that use cases are completed efficiently and that data is displayed to the user as needed.

### Note About Responsibilities

The described responsibilities focus on application classes without considering database interactions or user interfaces. In a complete system, responsibilities might shift, with the controller classes handling more UI logic and service classes managing database operations.

## Use Case Realisations

The software includes the following use cases, grouped by topic for convenience. Each is defined in a separate markdown file and is linked below.

1. Login
2. View All Events
3. Delete Event
4. View Event Details
5. View Event Registrations
6. Create Venue
7. Edit Venue
8. View Venue Details
9. Modify Account
10. View Account
11. Search and Filter Events
12. Display Date

13. Create Account
14. View All Accounts
15. Disable Account
16. Delete Account
17. Edit Account Permission
18. View All Venues
19. Delete Venue
20. View Venue Usage History
21. View Events History
22. List My Events
23. Create Event
24. Edit Event
25. List My Venues
26. View Venue Bookings
27. Register Account
28. List Upcoming Events
29. Tickets List
30. Purchase Ticket
31. View Ticket Details
32. Cancel Ticket

## Reflection Statements

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Team Member	Contribution	Reflection Statement
TM1	<Required:	Responsible for Ticket. Completed the users section.>
TM2	<Required:	Assign tasks and coordinate work; Modify use cases based on feedback;Designing the Class Diagram, arranging task allocation and reviewing all project. >
TM3	<Required:	Modify use cases based on feedback;Completed half part of Common and draw the Class Diagram. >
TM4	<Required:	Assist TM5,TM6 who are responsible for organizer part to make class diagram changes. Completed part of the organizer section. > . >
TM5	<Required:	Completed part of the organizer section. >
TM6	<Required:	Completed part of the organizer section. >
TM7	<Required:	Completed a small portion of Administrator and half part of Common and write the final README file. >
TM8	<Required:	Completed mostly part of Administrator and write the final Class Description Document >

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**Task Allocation** Special note: the content of each use case here includes: sequence diagrams (png and txt files) for that use case in all cases, and descriptions in the md file.

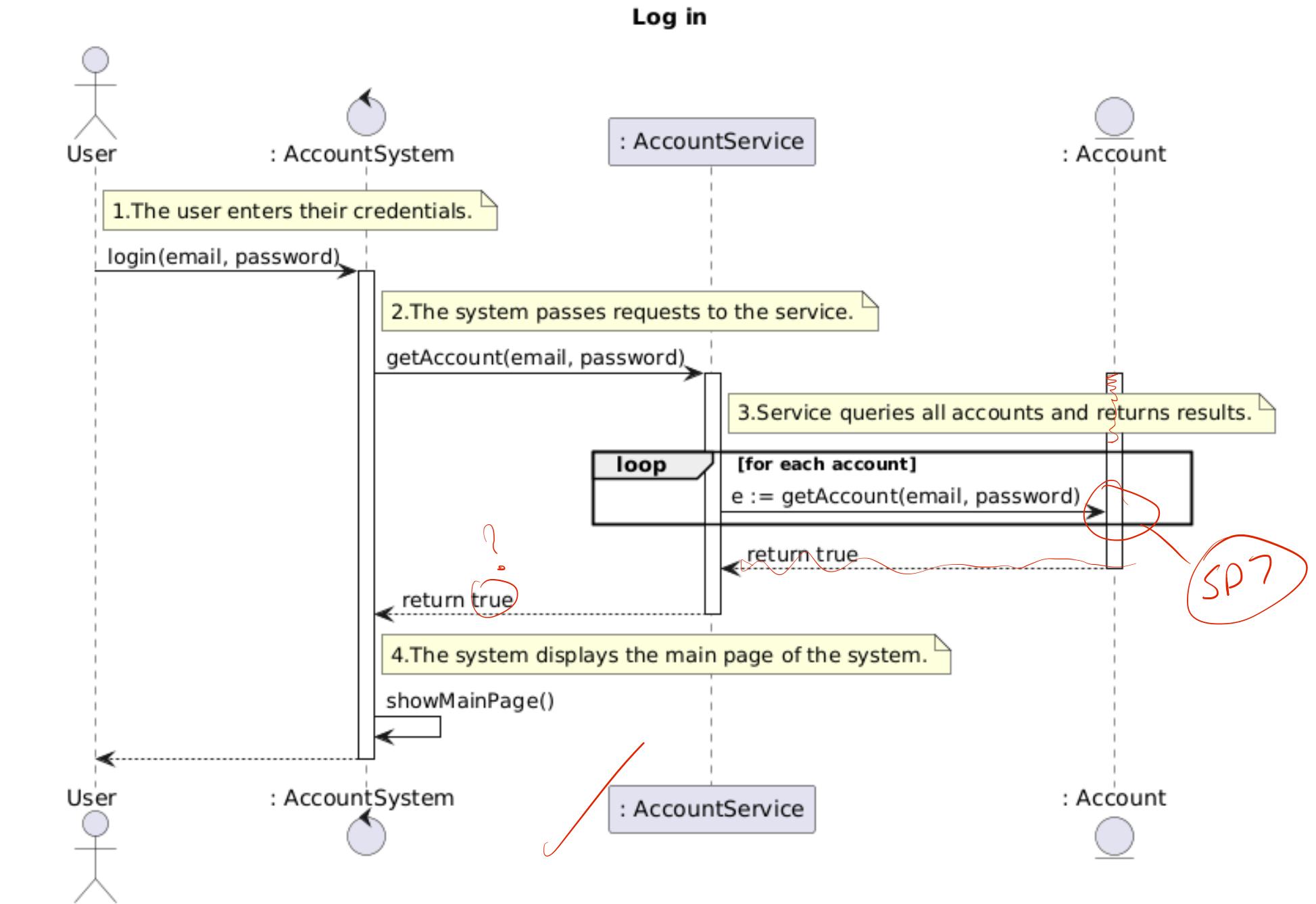
Item	Primary Author	Contributor	Contributor	Reviewer
Modify use cases based on feedback	TM2	TM3		TM1&TM7
Class Diagram	TM2	TM3	TM4	TM1&TM7
Class Diagram Document	TM8			TM1&TM7
Final README file	TM7			TM2
Use Case 00: "Login"	TM7	TM2		TM8
Use Case 01: "View All Events"	TM7	TM2		TM8
Use Case 02: "Delete Event"	TM7	TM2		TM8
Use Case 03: "View Event Details"	TM7	TM2		TM8
Use Case 04: "View Event Registrations"	TM7	TM2		TM8
Use Case 05: "Create Venue"	TM5	TM4	TM6	TM4&TM2
Use Case 06: "Edit Venue"	TM5	TM4	TM6	TM4&TM2
Use Case 07: "View Venue Details"	TM3			TM2&TM8
Use Case 08: "Modify Account"	TM3			TM2&TM8
Use Case 09: "View Account"	TM3			TM2&TM8
Use Case 10: "Search Filter Events"	TM3			TM2&TM8
Use Case 11: "Display date"	TM3			TM2&TM8
Use Case 12: "Create Account"	TM8			TM2&TM3
Use Case 13: "View All Accounts"	TM8			TM2&TM3
Use Case 14: "Disable Account"	TM8			TM2&TM3
Use Case 15: "Delete Account"	TM8			TM2&TM3
Use Case 16: "Edit Account Permission"	TM8			TM2&TM3
Use Case 17: "View All Venues"	TM3			TM2&TM8
Use Case 18: "Delete Venue"	TM8			TM2&TM3
Use Case 19: "View Venue Usage History"	TM7	TM2		TM2&TM3
Use Case 20: "View Events History"	TM8			TM2&TM3
Use Case 21: "List My Events"	TM6	TM4	TM5	TM4&TM2
Use Case 22: "Create Event"	TM5	TM4	TM6	TM4&TM2
Use Case 23: "Edit Event"	TM5	TM4	TM6	TM4&TM2
Use Case 24: "List My Venues"	TM6	TM4	TM5	TM4&TM2
Use Case 25: "View Venue Bookings"	TM6	TM4	TM5	TM4&TM2
Use Case 26: "Register Account"	TM1			TM2
Use Case 27: "List Upcoming Events"	TM1			TM2
Use Case 28: "Tickets List"	TM1			TM2
Use Case 29: "Purchase Ticket"	TM1			TM2
Use Case 30: "View Ticket Details"	TM2			TM1
Use Case 31: "Cancel Ticket"	TM1			TM2

## 00 Login

### Basic Course of Events

- 1.The user opens the application.
- 2.The system presents a login page and prompt the user to enter their email and password
- 3.The user enters their credentials.
- 4.The system passes requests to the service.
- 5.Service queries all accounts and returns results.
- 6.The system displays the main page of the system. The administrator is on their main page(01-view\_all\_events.png). The organizer is on their main page(17-view\_all\_events.png). The user is on their main page(34-view\_all\_events.png).

## Sequence Diagram



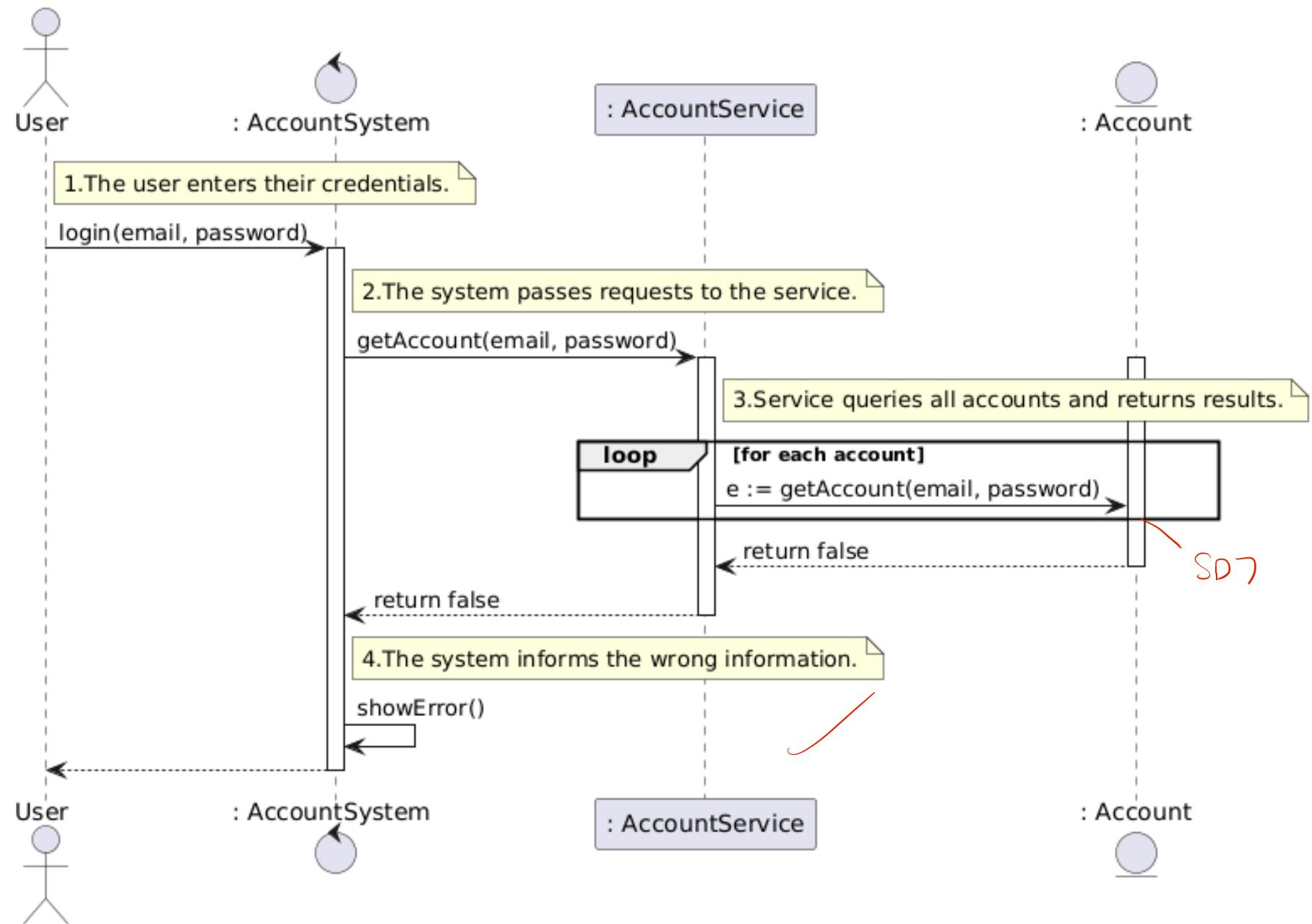
## **Alternate Course of Events**

### **Wrong email or password**

- 1.The user opens the application.
- 2.The system presents a login page and prompt the user to enter their email and password
- 3.The user enters their credentials
- 4.The system informs the user that their combination of email and password was incorrect and returns to the log-in page.

Sequence Diagram – Alternate Course of Events

**Log in**



## **UI Sketches**

This is the page that the user must be on at the start to complete the use case.

# Login

Email:

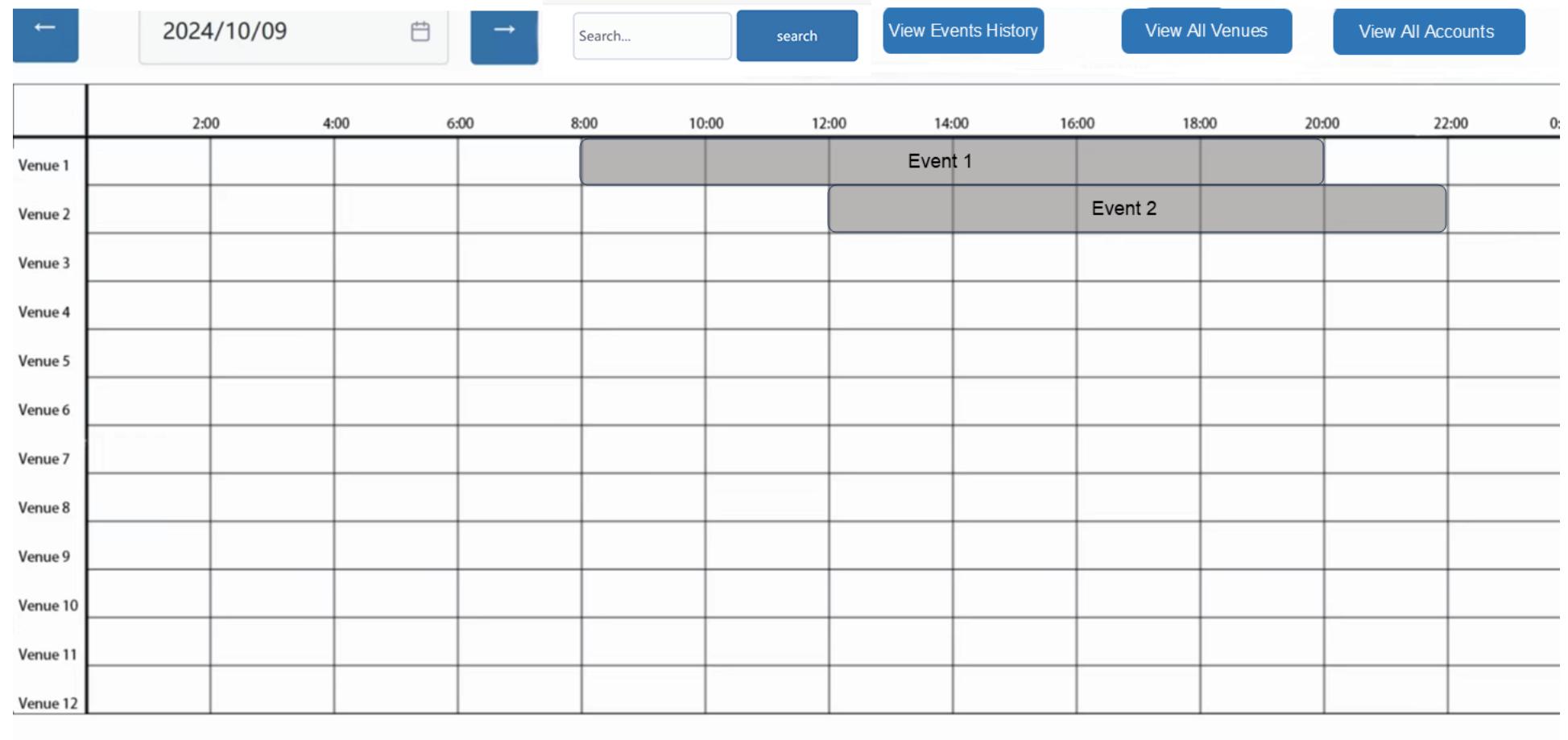
Password:

**Login**

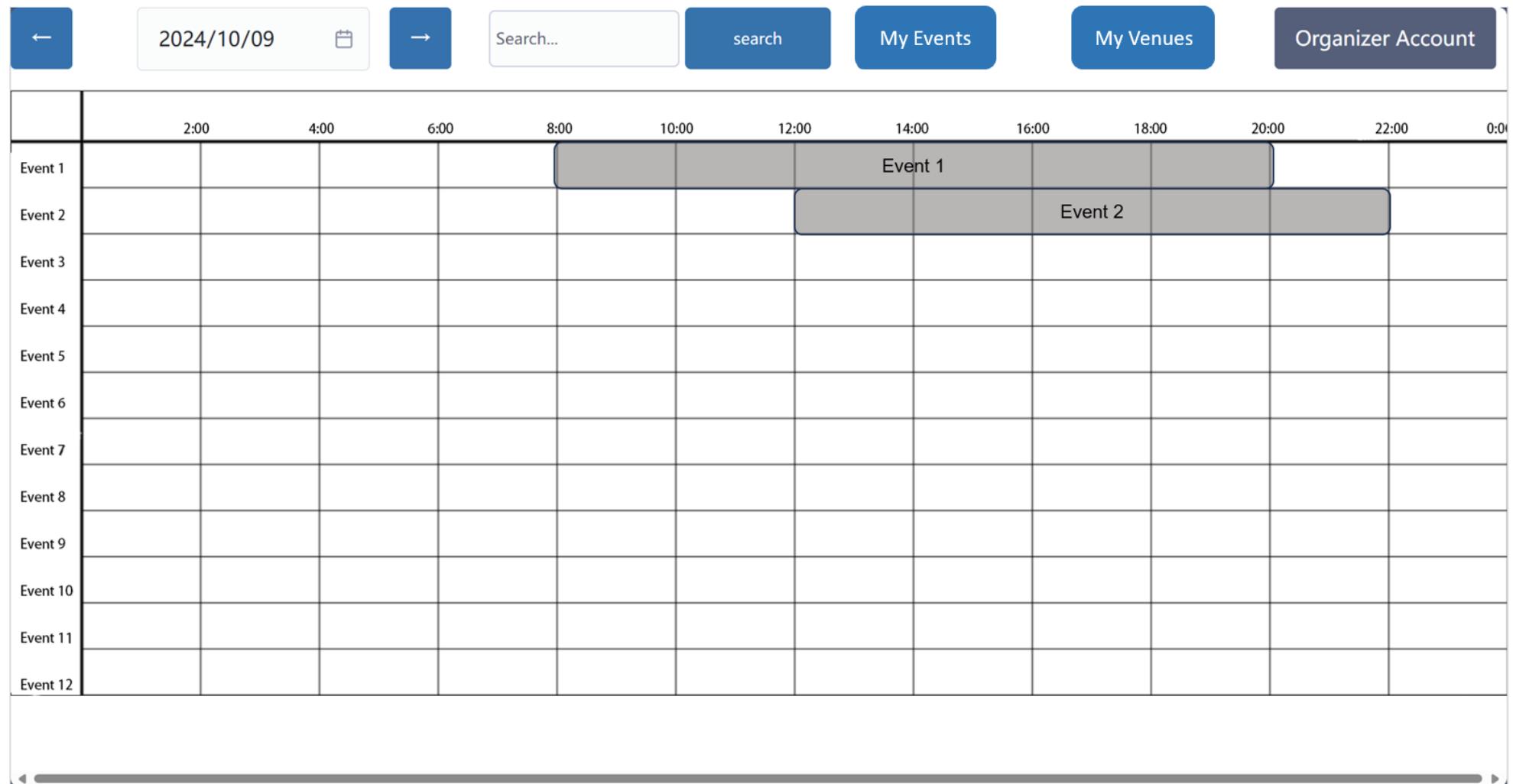
Don't have an account? [Register here](#)

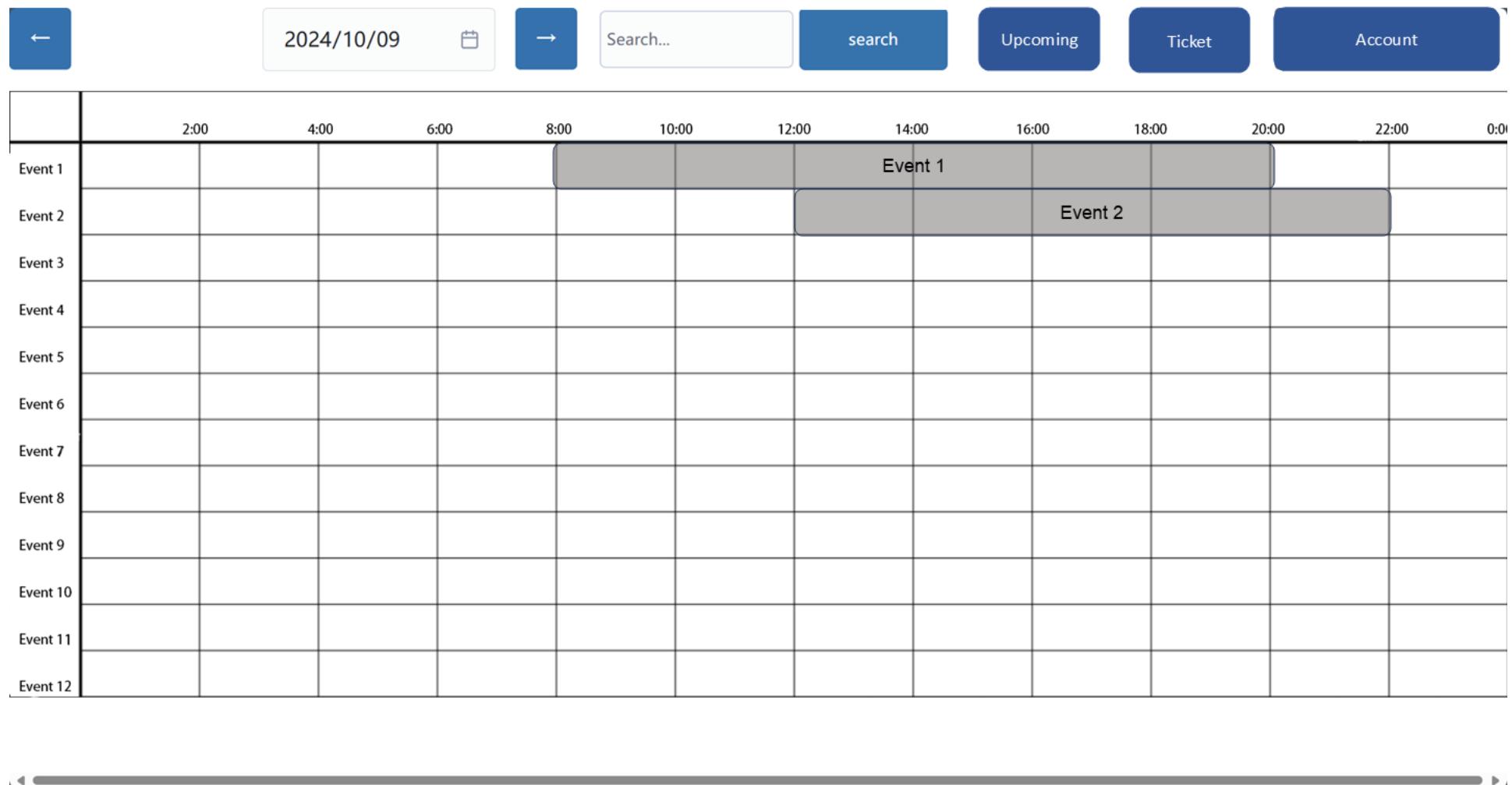
# Main Page

Administrator



## Organizer





## Data Outcome

- **READ** - The details of the selected account in the system will be read and display.
- **UPDATE** - The details of the selected account will be changed.

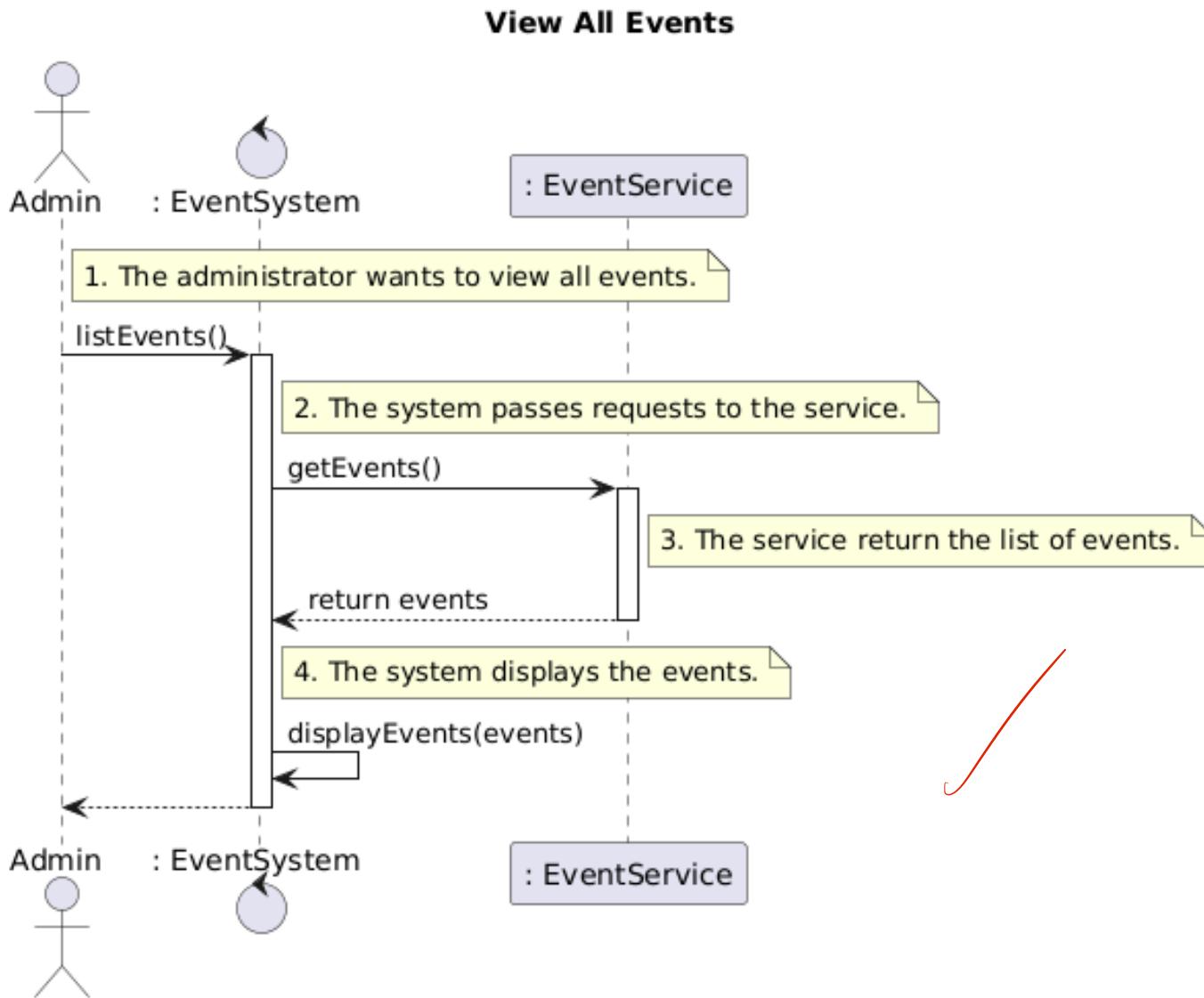
## **01 View All Events**

### **Basic Course of Events**

#### **Course of Events – Administrator**

1. After logging in, the administrator is presented with the main page(01-view\_all\_events.png), displaying a table of all scheduled events for the current date.
2. The system passes requests to the service.
3. The service displays a table showing all events scheduled for the current date.
4. The administrator can see the following details in the table:
  - Event Name
  - Time Slots (e.g., 2:00, 4:00, 6:00, etc.)
  - Available Slots for Each Event
  - Event Type (e.g., Concert, Sports, Theater)
  - Venue Name
5. The administrator can use the navigation buttons (left, right) or date picker to change the date and view events scheduled on different dates.
6. If there are no events for the selected date, the system displays an empty table or a “No Events Scheduled” message.

## Sequence Diagram

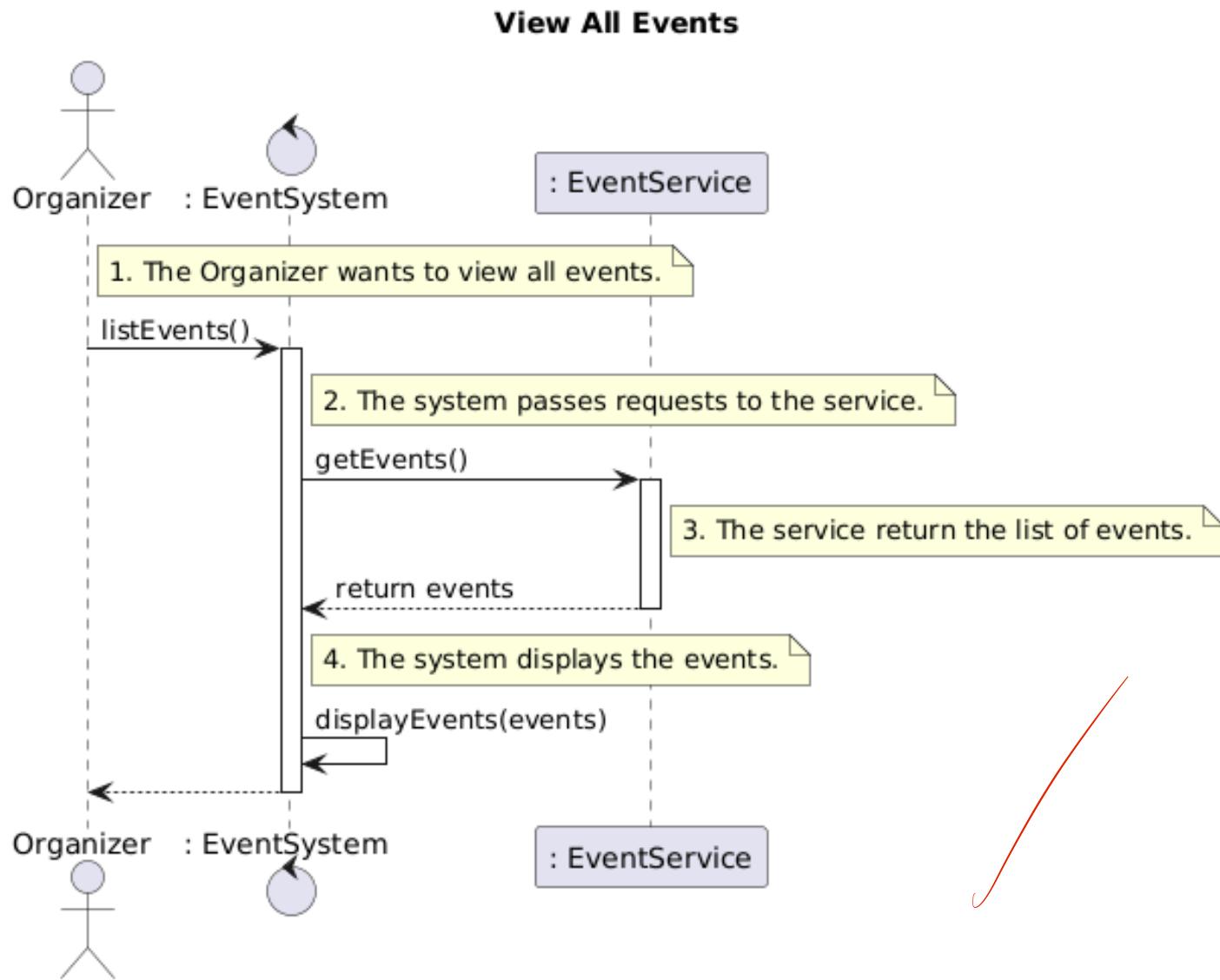


## Course of Events – Organizer

1. After logging in, the organizer is presented with the main page(17-view\_all\_events.png), displaying a table of all scheduled events for the current date.
2. The system passes requests to the service.
3. The service displays a table showing all events scheduled for the current date.
4. The organizer can see the following details in the table:

- Event Name
  - Time Slots (e.g., 2:00, 4:00, 6:00, etc.)
  - Available Slots for Each Event
  - Event Type (e.g., Concert, Sports, Theater)
  - Venue Name
5. The organizer can use the navigation buttons (left, right) or date picker to change the date and view events scheduled on different dates.
  6. If there are no events for the selected date, the system displays an empty table or a “No Events Scheduled” message.

## Sequence Diagram

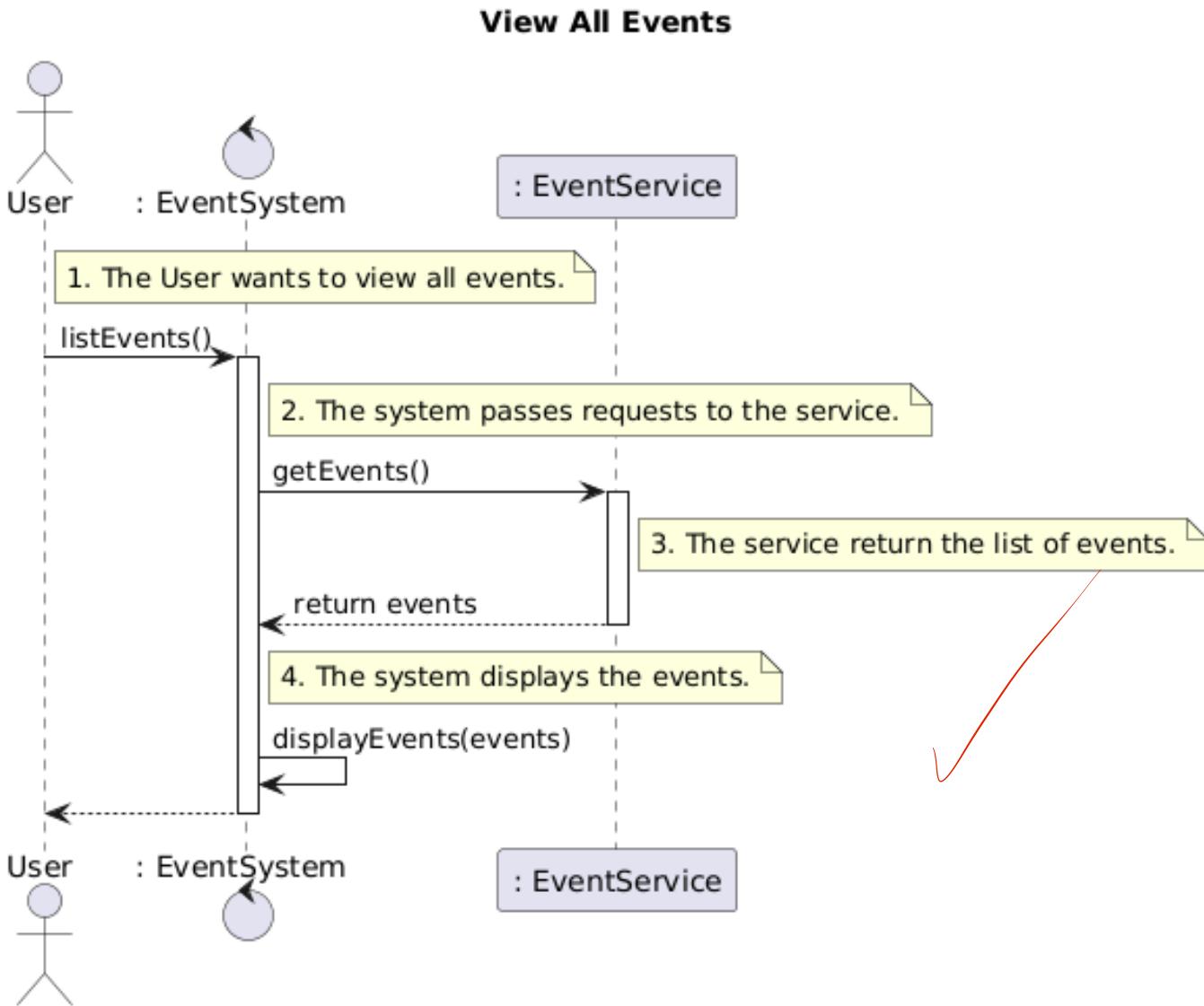


### Course of Events

1. After logging in, the user is presented with the main page(34-view\_all\_events.png), displaying a table of all scheduled events for the current date.
2. The system passes requests to the service.
3. The service displays a table showing all events scheduled for the current date.
4. The user can see the following details in the table:

- Event Name
  - Time Slots (e.g., 2:00, 4:00, 6:00, etc.)
  - Available Seats for Each Event
  - Event Type (e.g., Concert, Sports, Theater)
  - Venue Name
5. The user can use the navigation buttons (left, right) or date picker to change the date and view events scheduled on different dates.
  6. If there are no events for the selected date, the system displays an empty table or a “No Events Scheduled” message.

## Sequence Diagram



## Alternate Course of Events

- None

## Sequence Diagram— Alternate Course of Events

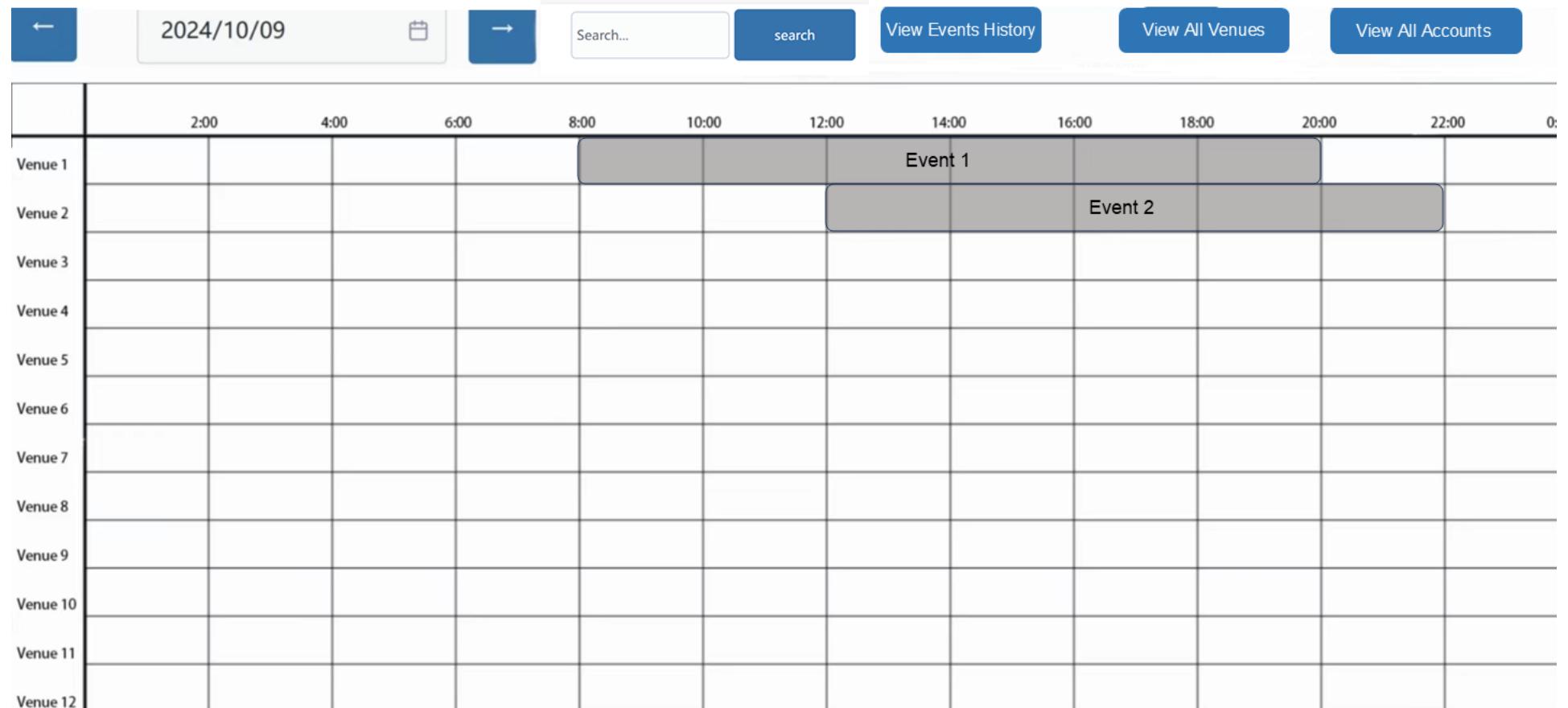
- None

## UI Sketches

### Administrator

This is the page that the user must be on at the start to complete the use case.

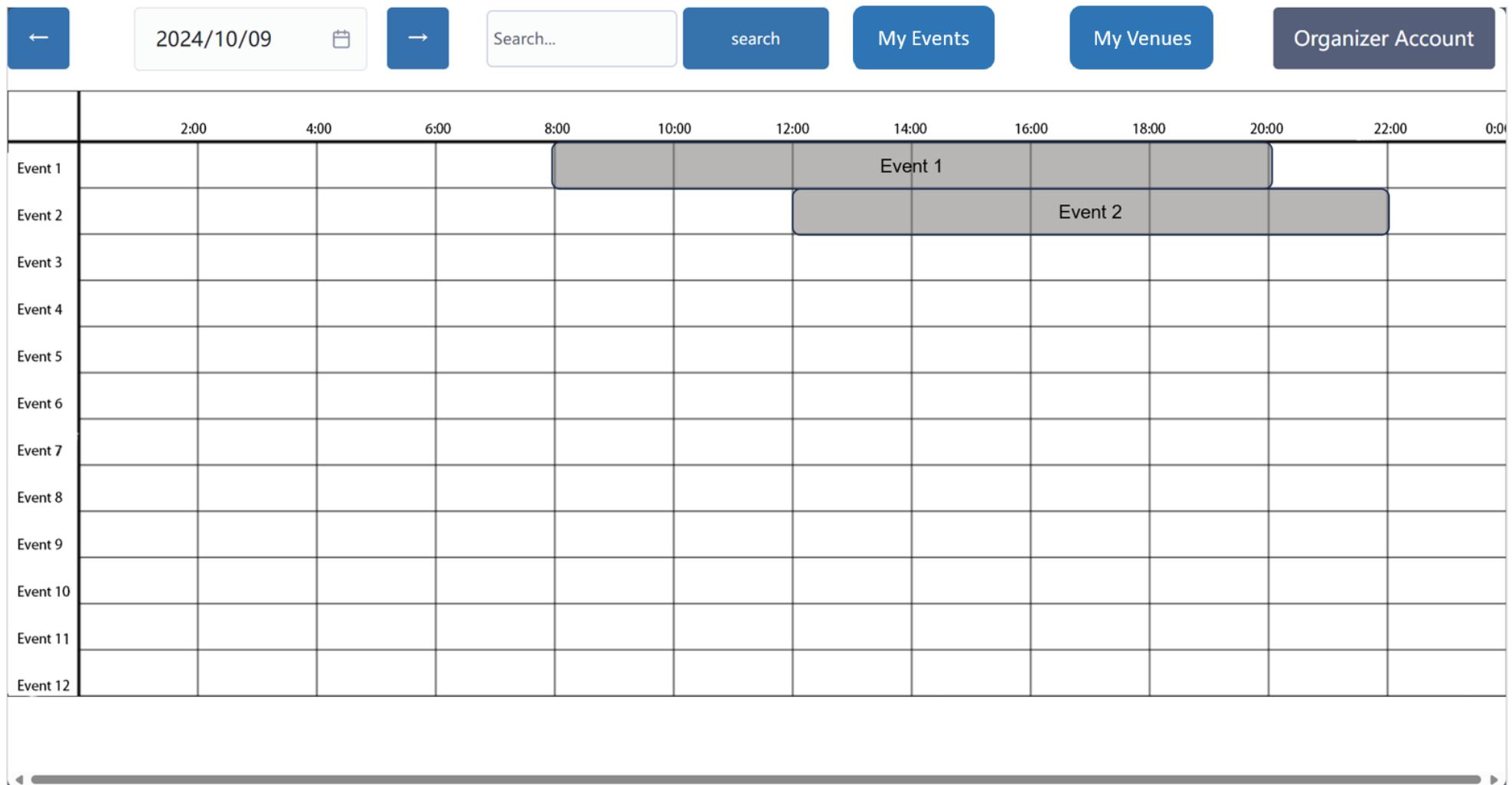
### Main Page



### Organizer

There are the pages that the user must be on at the start to complete the use case.

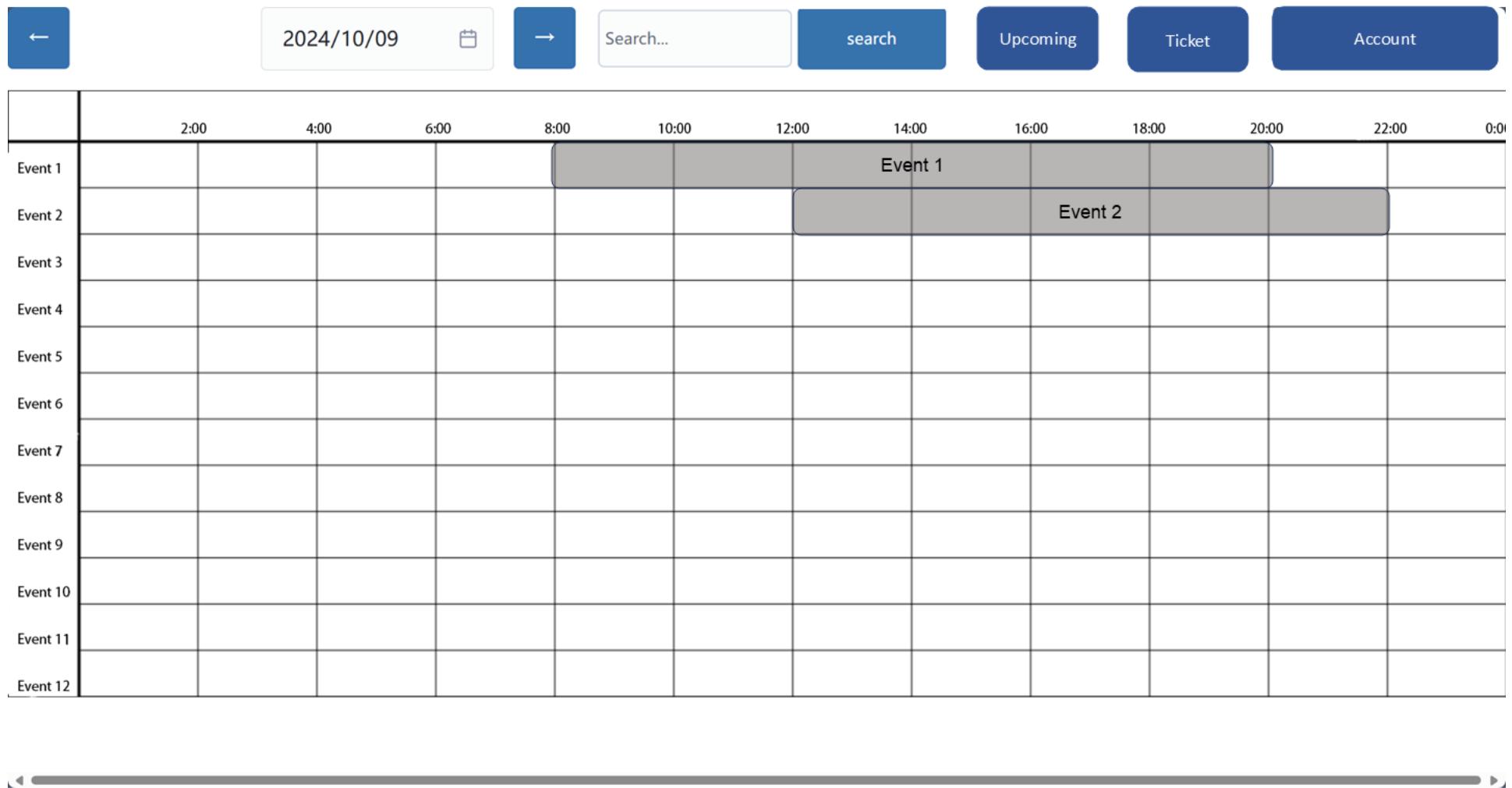
## Main Page



## User

There are the pages that the user must be on at the start to complete the use case.

## Main Page



## Data Outcome

- **Read** - All events will be shown on the system and the administrator, organizer or user can read it.
- **UPDATE** - None

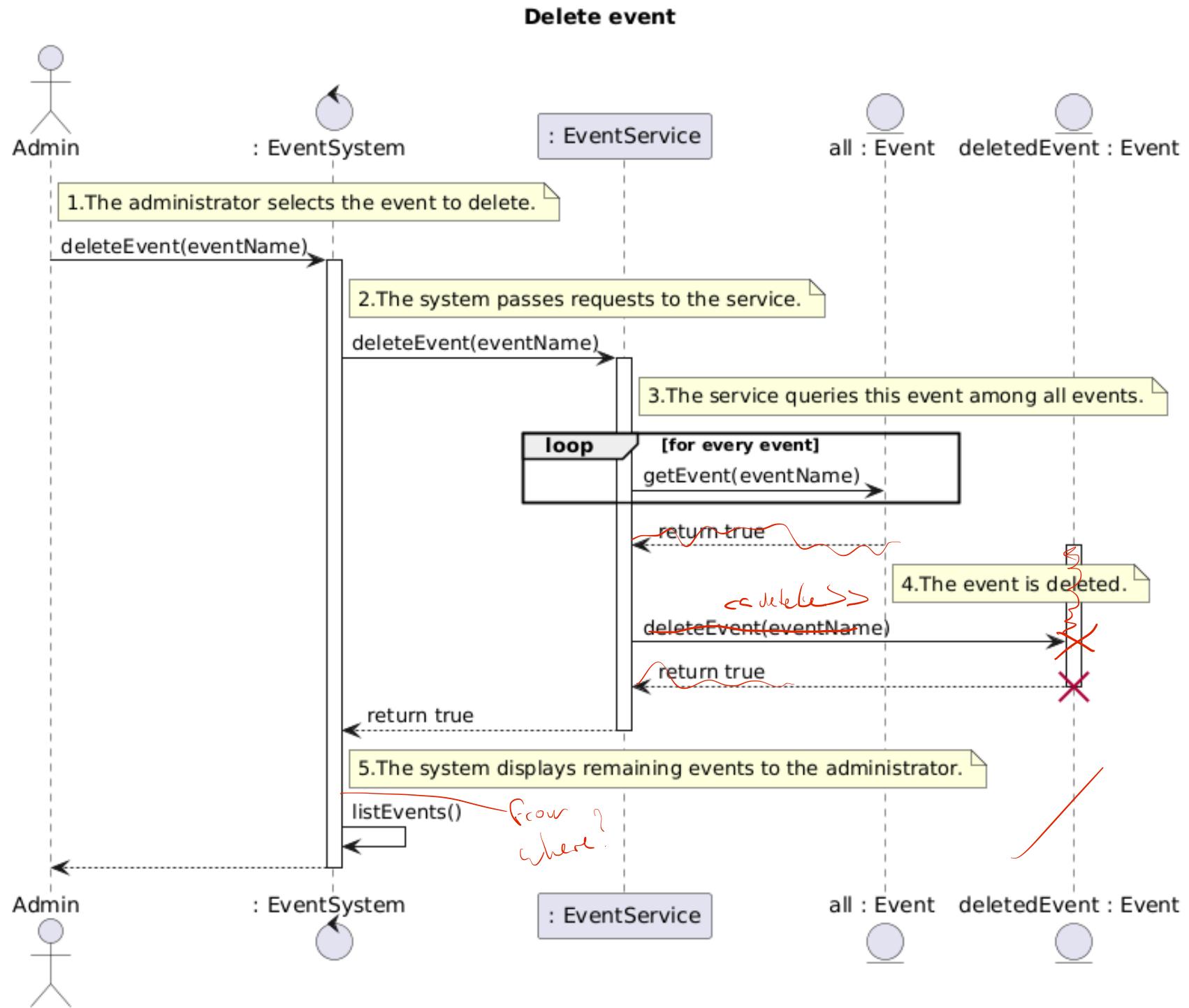
## 02 Delete Event

### Basic Course of Events

#### Course of Events – Administrator

- 1.The administrator selects the event to delete.
- 2.The system passes requests to the service.
- 3.The service queries this event among all events.
- 4.The service asks the administrator to confirm.
- 5.The administrator selects Yes.
- 6.The event is deleted.
- 7.The system displays remaining events to the administrator.

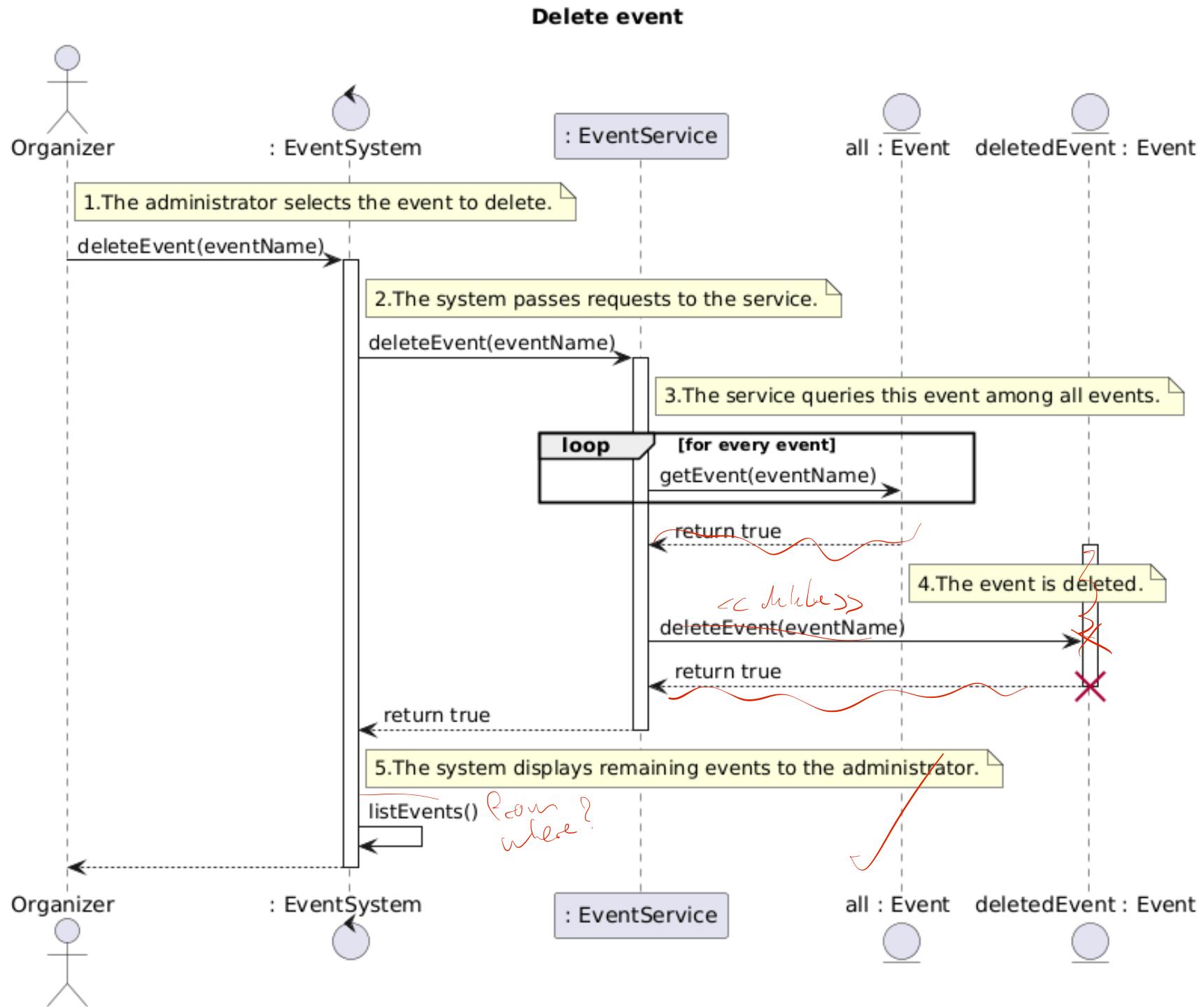
## Sequence Diagram



### **Course of Events – Organizer**

- 1.The organizer selects the event to delete.
- 2.The system queries this event among all events.
- 3.The system passes requests to the service.
- 4.The system asks the organizer to confirm.
- 5.The organizer selects **Yes**.
- 6.The event is deleted.
- 7.The system displays remaining events to the organizer.

## Sequence Diagram



## Alternate Course of Events

### Do Not Delete

- 1.The administrator(organizer) selects an event to delete.
- 2.The system passes requests to the service.
- 3.The service queries this event among all events.
- 4.The system asks the administrator(organizer) to confirm.
- 5.The administrator(organizer) selects **No**.
- 6.The system returns to the previous interface, and no event is deleted.



### Sequence Diagram – Alternate Course of Events

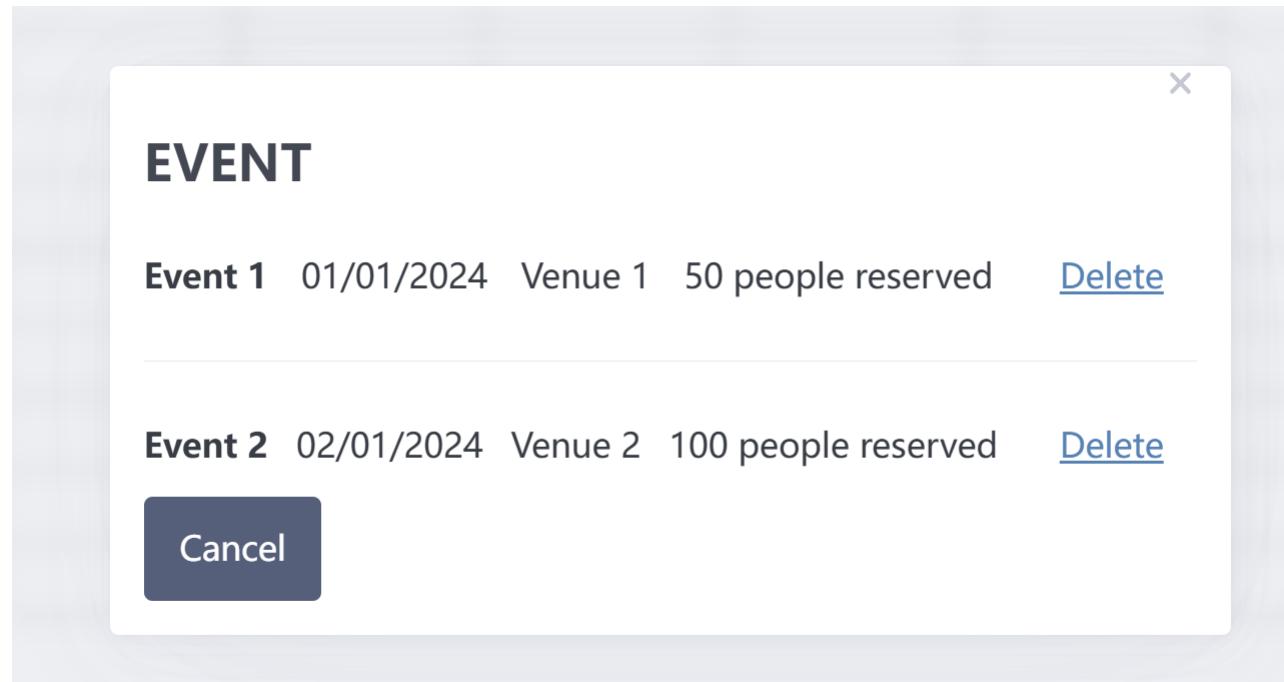
- In this case, all interactions are completed within the JS code of the page. No request is made to the server and no response is received.

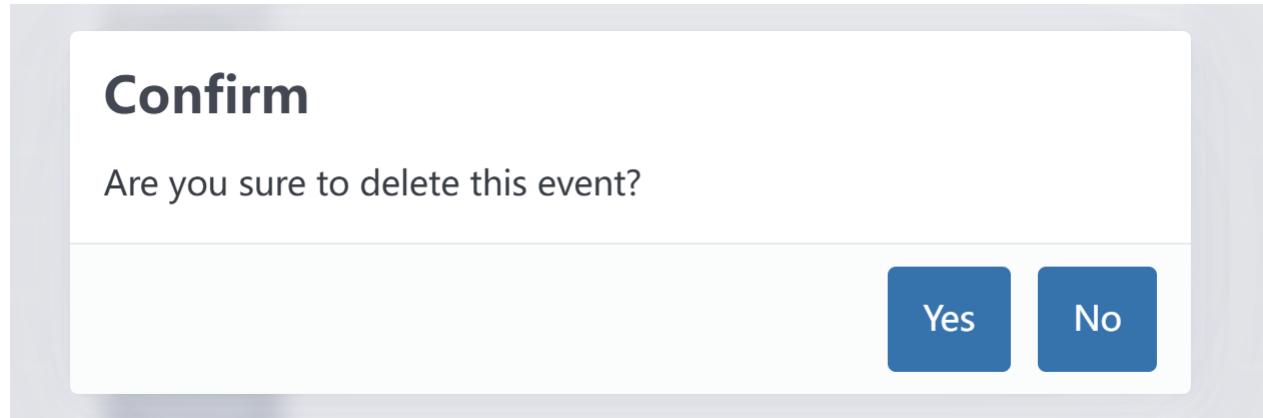
### UI Sketches

- The administrator is on the event history page(02-view\_events\_history.png).
- The organizer is on their event page(18-list\_my\_event.png).

### Administrator

This is the page that the user must be on at the start to complete the use case.





### Organizer

This is the page that the user must be on at the start to complete the use case.

## Available Events

**Event 1** 01/01/2024 123 Main St 50 people reserved [Delete](#) [Edit](#)

**Event 2** 02/01/2024 456 Broadway 100 people reserved [Delete](#) [Edit](#)

**Event 3** 03/01/2024 789 Market St 75 people reserved [Delete](#) [Edit](#)

**Event 4** 04/01/2024 987 Center St 150 people reserved [Delete](#) [Edit](#)

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Delete Event

### Confirm

Are you sure to delete this event?

Yes

No

## Data Outcome

- **Read** - The selected event will be deleted in the system.
- **UPDATE** - The number of events will be changed.

Filename - 02-analysis/usecases/docs/03-view\_event\_details.md

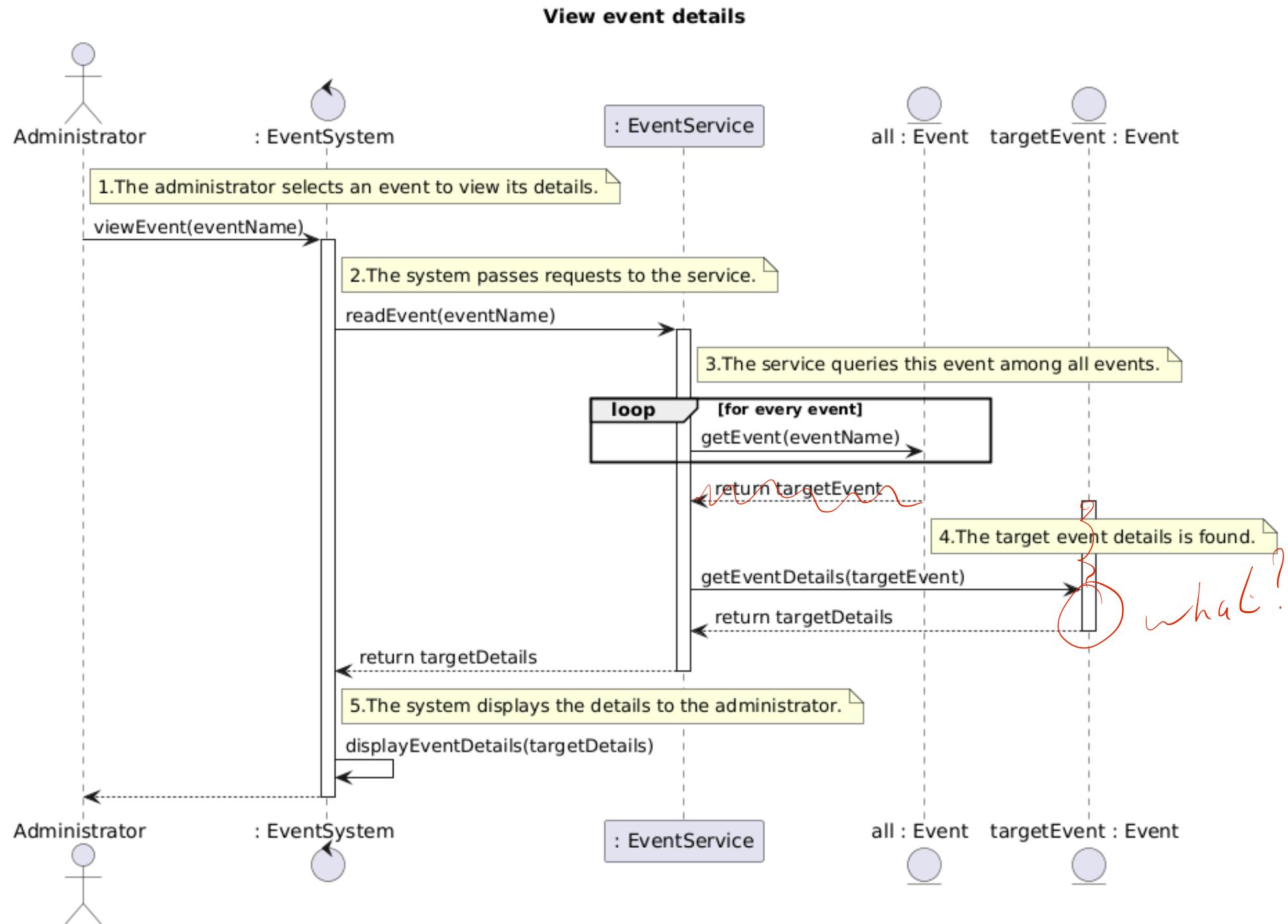
## 03 View Events Details

### Basic Course of Events

#### Course of Events – Administrator

- 1.The administrator selects an event to view its details.
- 2.The service asks the administrator to confirm.
- 3.The administrator selects **Yes**.
- 4.The system passes requests to the service.
- 5.The service queries this event among all events.
- 6.The system displays the details to administrator, including:
  1. Event Name and Description
  2. Date and Time
  3. Total Reservations
  4. Venue
  5. Organiser
  6. Ticket type, price, available and sold.

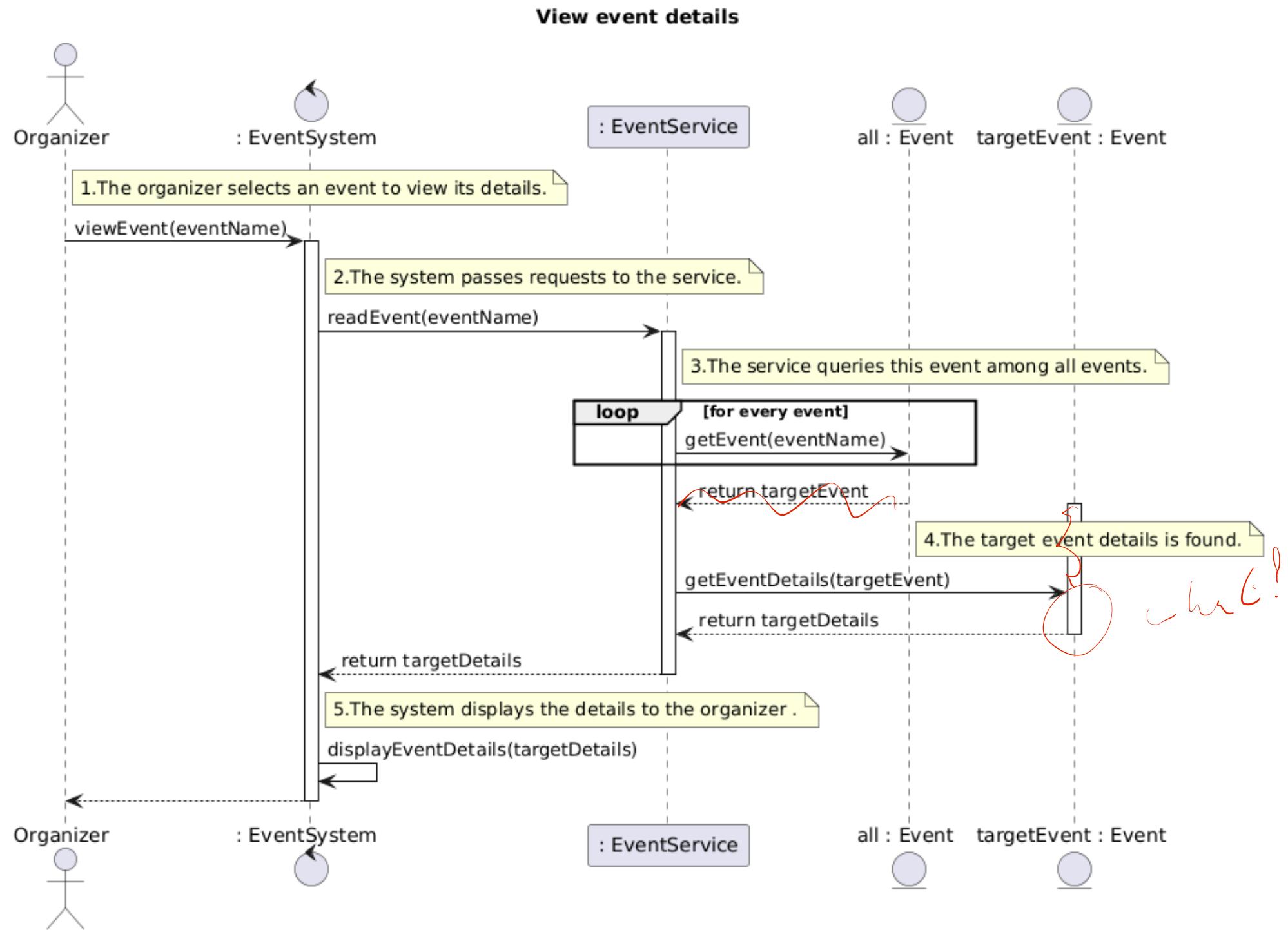
## Sequence Diagram



### **Course of Events – Organizer**

- 1.The organizer selects an event to view its details.
- 2.The service asks the organizer to confirm.
- 3.The organizer selects **Yes**.
- 4.The system passes requests to the service.
- 5.The service queries this event among all events.
- 6.The system displays the details to organizer, including:
  1. Event Name and Description
  2. Date and Time
  3. Total Reservations
  4. Venue
  5. Organiser
  6. Ticket type, price, available and sold.

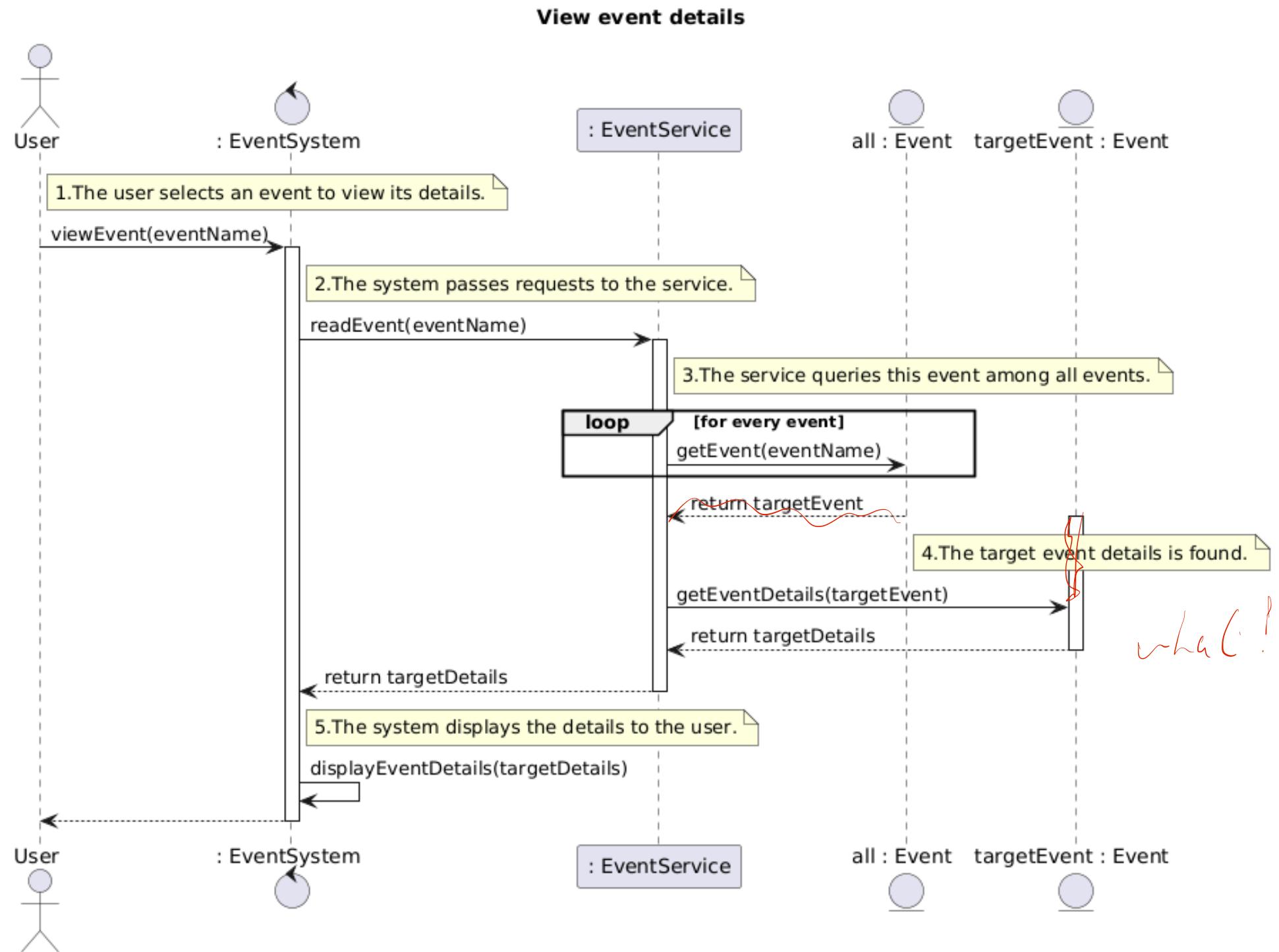
## Sequence Diagram



### **Course of Events – User**

- 1.The user selects an event to view its details.
- 2.The system asks the user to confirm.
- 3.The user selects **Yes**.
- 4.The system passes requests to the service.
- 5.The service queries this event among all events.
- 6.The system displays the details to user, including:
  1. Event Name and Description
  2. Date and Time
  3. Total Reservations
  4. Venue
  5. Organiser
  6. Ticket type, price, available and sold.

## Sequence Diagram



## Alternate Course of Events

### Do not view

- 1.The user selects an event to view its details.
- 2.The system asks the user to confirm.
- 3.The user selects **No**.

### Sequence Diagram– Alternate Course of Events

- In this case, all interactions are completed within the JS code of the page. No request is made to the server and no response is received.

### UI Sketches

- The administrator is on their main page(01-view\_all\_events.png) or events history page(02-view\_events\_history.png).
- The organizer is on their main page(17-view\_all\_events.png) or their events list page (18-list\_my\_events.png).
- The user is on their main page(34-view\_all\_events.png).

### Administrator

This is the page that the user must be on at the start to complete the use case.

←
2024/10/09
→

search
View Events History
View All Venues
View All Accounts

	2:00	4:00	6:00	8:00	10:00	12:00	14:00	16:00	18:00	20:00	22:00	0:
Venue 1												
Venue 2												
Venue 3												
Venue 4												
Venue 5												
Venue 6												
Venue 7												
Venue 8												
Venue 9												
Venue 10												
Venue 11												
Venue 12												

## EVENT

**Event 1** 01/01/2024 Venue 1 50 people reserved [Delete](#)

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**Event 2** 02/01/2024 Venue 2 100 people reserved [Delete](#)

[Cancel](#)

## Organizer

There the pages that the user must be on at the start to complete the use case.



2024/10/09



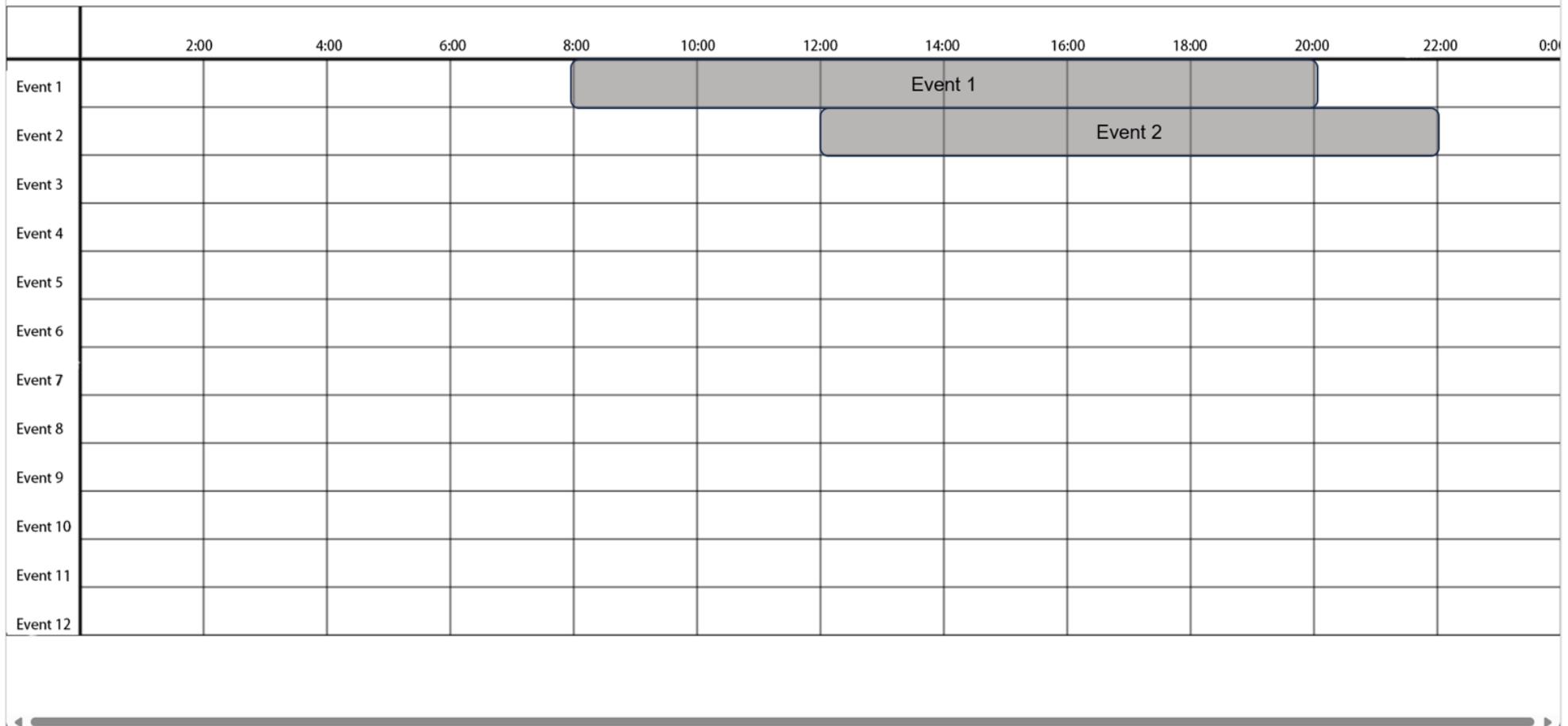
Search...

search

My Events

My Venues

Organizer Account



## Available Events

**Event 1** 01/01/2024 123 Main St 50 people reserved [Delete](#) [Edit](#)

**Event 2** 02/01/2024 456 Broadway 100 people reserved [Delete](#) [Edit](#)

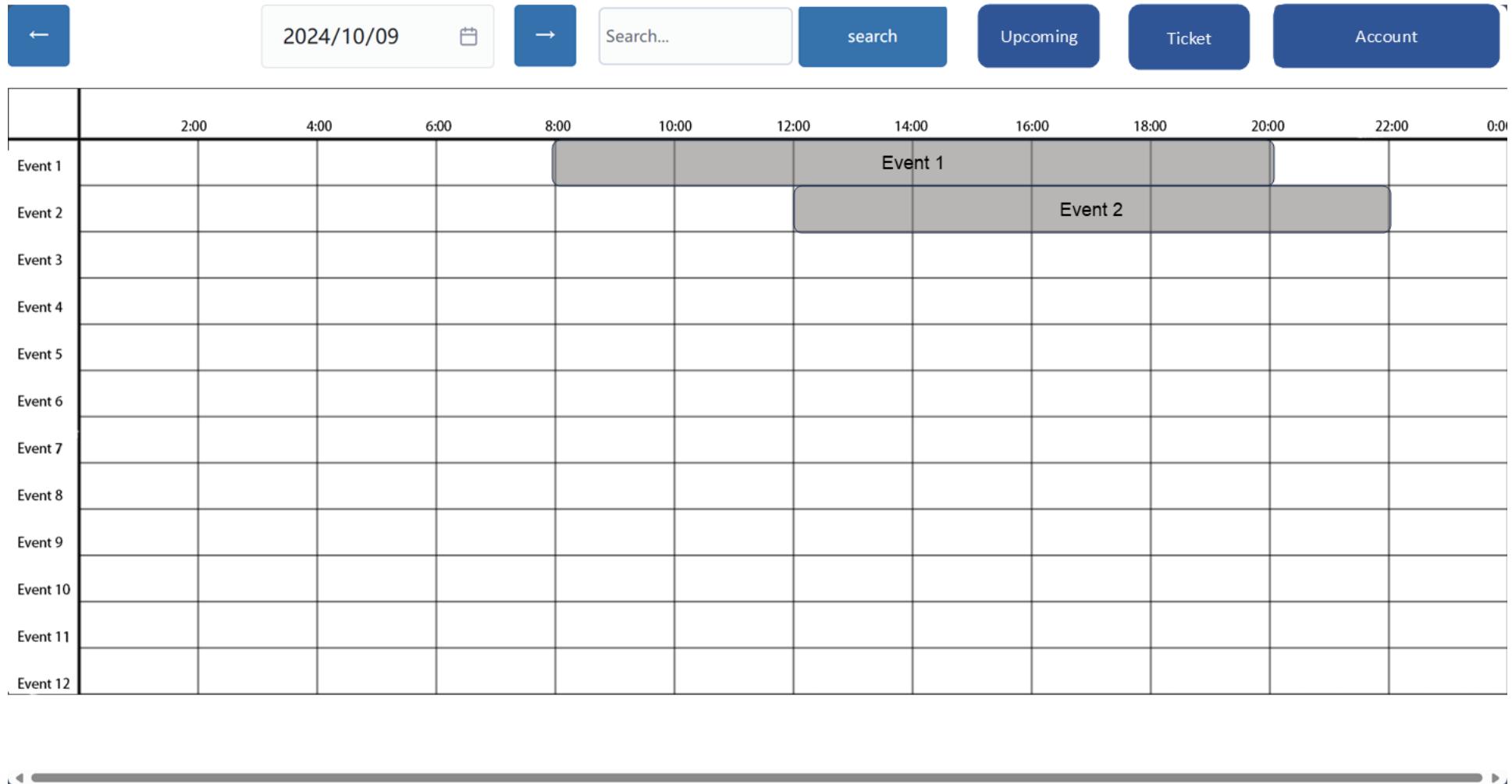
**Event 3** 03/01/2024 789 Market St 75 people reserved [Delete](#) [Edit](#)

**Event 4** 04/01/2024 987 Center St 150 people reserved [Delete](#) [Edit](#)

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### User

There are the pages that the user must be on at the start to complete the use case.



Related UI Prototypes—Administrator, Organizer



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[View Event Details Page](#)

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[View Event Details Page](#)

# Event Details

**Event Name:** Annual Conference

**Description:** This is a description about the selected event.

**Date:** 03/01/2024

**Time:** 10:00 AM - 4:00 PM

**Total Reservations:** 150 people

**Venue:** Convention Center, 123 Main St

**Organiser:** John Doe, john.doe@example.com

## Ticket Details

<b>Ticket Type:</b> Standing	<b>Price:</b> \$50	<b>Available:</b> 100	<b>Sold:</b> 75
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<b>Ticket Type:</b> Seating	<b>Price:</b> \$80	<b>Available:</b> 50	<b>Sold:</b> 40
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<b>Ticket Type:</b> Premium	<b>Price:</b> \$120	<b>Available:</b> 20	<b>Sold:</b> 15
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[View event registrations](#)

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[View Event Details Page](#)

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**Related UI Prototypes– User**



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[View Event Details Page](#)

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[View Event Details Page](#)

# Event Details

**Event Name:** Annual Conference

**Description:** This is a description about the selected event.

**Date:** 03/01/2024

**Time:** 10:00 AM - 4:00 PM

**Total Reservations:** 150 people

**Venue:** Convention Center, 123 Main St

**Organiser:** John Doe, john.doe@example.com

## Ticket Details

<b>Ticket Type:</b> Standing	<b>Price:</b> \$50	<b>Available:</b> 100	<b>Sold:</b> 75
------------------------------	--------------------	-----------------------	-----------------

<b>Ticket Type:</b> Seating	<b>Price:</b> \$80	<b>Available:</b> 50	<b>Sold:</b> 40
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<b>Ticket Type:</b> Premium	<b>Price:</b> \$120	<b>Available:</b> 20	<b>Sold:</b> 15
-----------------------------	---------------------	----------------------	-----------------

## Data Outcome

- **Read** - The event details will be shown on the system and the administrator, organizer or user can read it.
- **UPDATE** - None

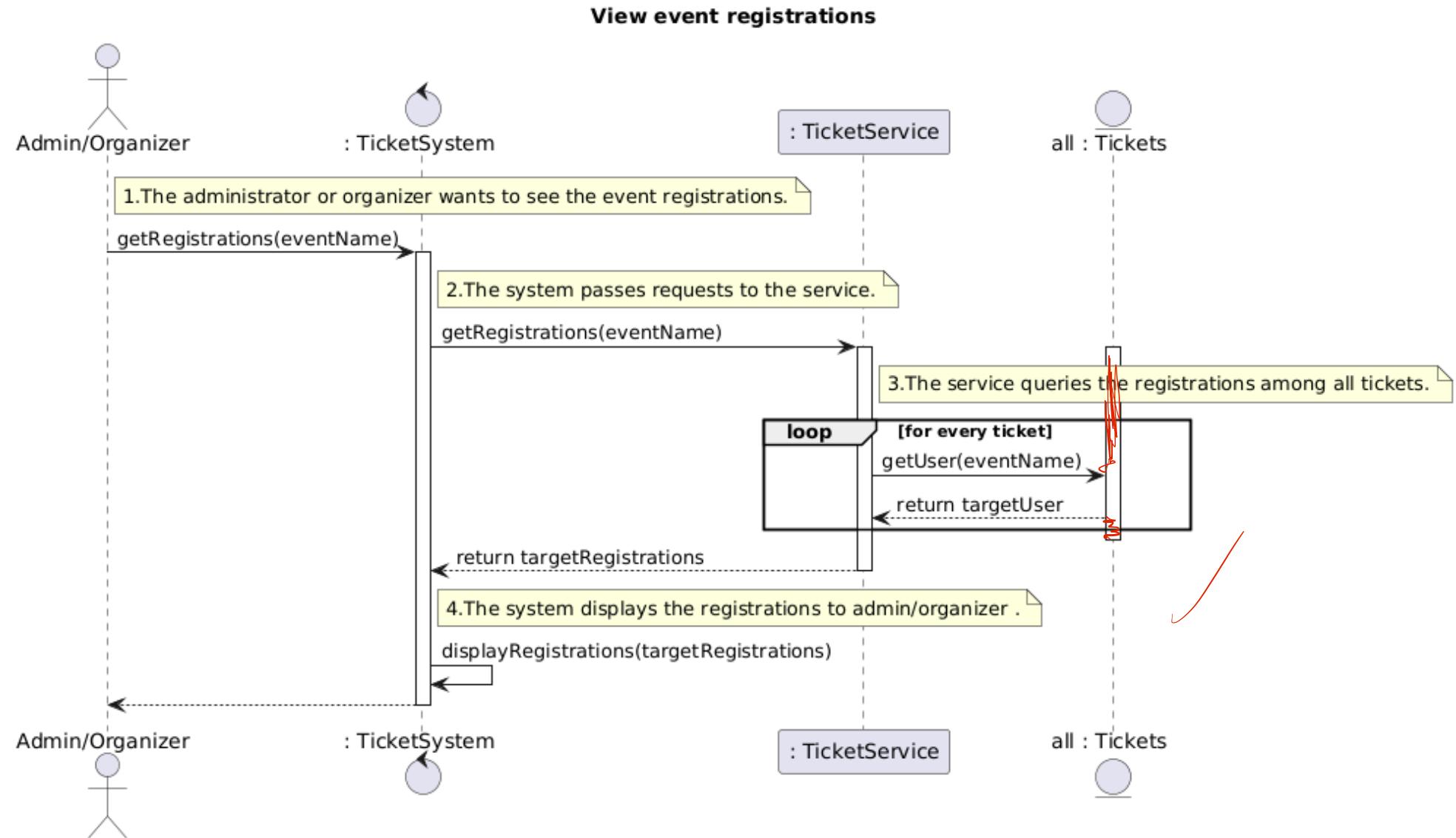
**Filename - 02-analysis/usecases/docs/04-view\_event\_registrations.md**

## 04 View Event Registrations

### Basic Course of Events

- 1.The administrator or organizer selects the “View Event Registrations” option from event details page(22-view\_event\_details.png).
- 2.The system passes requests to the service.
- 3.The system displays the users who registered for this event to organizer or administrator.

## Sequence Diagram



## Alternate Course of Events

### No users for this event

- The system shows that there is no users for this event.

## Sequence Diagram– Alternate Course of Events

- None

## UI Sketches

This is the page that the user must be on at the start to complete the use case.

# Event Details

**Event Name:** Annual Conference

**Description:** This is a description about the selected event.

**Date:** 03/01/2024

**Time:** 10:00 AM - 4:00 PM

**Total Reservations:** 150 people

**Venue:** Convention Center, 123 Main St

**Organiser:** John Doe, john.doe@example.com

## Ticket Details

<b>Ticket Type:</b> Standing	<b>Price:</b> \$50	<b>Available:</b> 100	<b>Sold:</b> 75
------------------------------	--------------------	-----------------------	-----------------

<b>Ticket Type:</b> Seating	<b>Price:</b> \$80	<b>Available:</b> 50	<b>Sold:</b> 40
-----------------------------	--------------------	----------------------	-----------------

<b>Ticket Type:</b> Premium	<b>Price:</b> \$120	<b>Available:</b> 20	<b>Sold:</b> 15
-----------------------------	---------------------	----------------------	-----------------

[View event registrations](#)

## **View Event Registration**

[View Event Registration Page](#)

---

### **Users who have registered for this event:**

Ruixin

Shuhan

Zitong

Chenle

Yuze

[Back](#)

## **Data Outcome**

- **Read** - The event registrations will be shown on the system and the administrator or organizer can read it.
- **UPDATE** - None

**Filename - 02-analysis/usecases/docs/05-create\_venue.md**

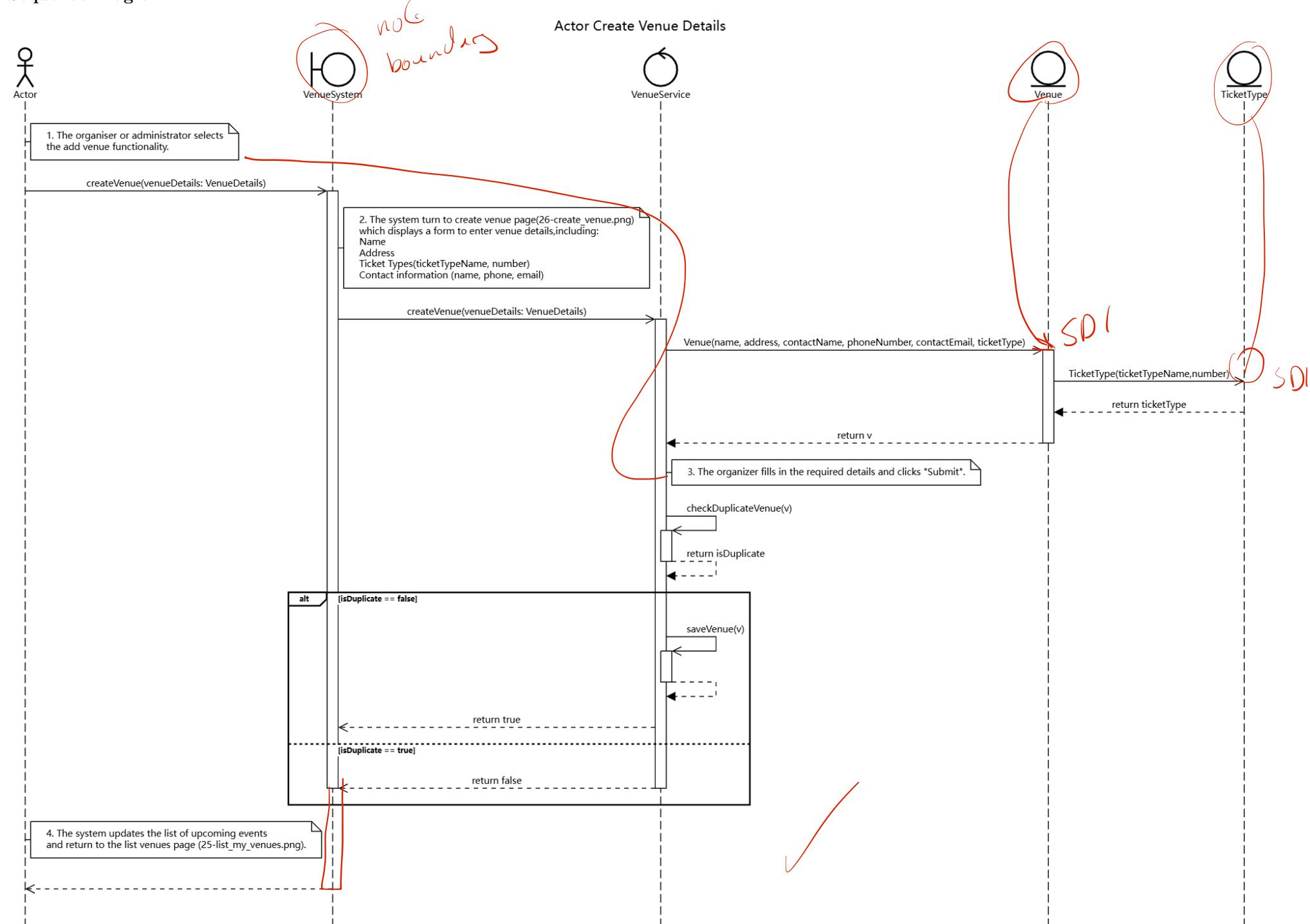
## **05 Create Venue**

### **Basic Course of Events**

1. The organiser or administrator selects the add venue functionality.
2. The system turn to create venue page(26-create\_venue.png) which displays a form to enter venue details,including:

- Name
  - Address
  - Ticket Types(ticketTypeName, number)
  - Contact information (name, phone, email)
3. The organizer fills in the required details and clicks “Submit”.
  4. The system updates the list of upcoming events and return to the list venues page (25-list\_my\_venues.png).

## Sequence Diagram



## Duplicate Venue

- The organiser or administrator selects the add venue functionality
- The system displays the add venue page (26-create\_venue.png) page
- The organiser or administrator enters the details of the venue(Name, Address, Ticket Types(ticketTypeName, number),Contact information (name, phone, email))
- The displays an error message and prevents saving the duplicate entry(add\_venue-duplicate.png).
- The organiser or administrator clicks OK
- The system returns to step 2 of the use case

## Alternate Course of Events

### Sequence Diagram– Alternate Course of Events

### UI Sketches

This is the page that the user must be on at the start to complete the use case

### Add Venue

**Venue Name**

**Venue Address**

**Local Contact Details**

**Name**

**Phone Number**

**Email**

**Tickets Type Available**

**Total Capacity**

Ticket Type	Standing	Available Number
Ticket Type	Seated	Available Number
Ticket Type	Premium	Available Number

**Cancel** **Submit**

## My Venues

Venue	Address	Reservations	Edit
Venue 1	123 Main St	50 people reserved	<a href="#">Edit</a>
Venue 2	456 Broadway	100 people reserved	<a href="#">Edit</a>
Venue 3	789 Market St	75 people reserved	<a href="#">Edit</a>
Venue 4	987 Center St	150 people reserved	<a href="#">Edit</a>

[Create Venue](#)

### Add Venue

**Venue Name****Venue Address****Local Contact Details****Name****Phone Number****Email****Tickets Type Available****Total Capacity**

<b>Ticket Type</b>	Standing	<b>Available Number</b>	500
<b>Ticket Type</b>	Seated	<b>Available Number</b>	100
<b>Ticket Type</b>	Premium	<b>Available Number</b>	100

CancelSubmit

## Error: Duplicate Venue

The venue with the same name and address already exists in the system. Please use a different name or address.

[Back](#)

Filename - 02-analysis/usecases/docs/06-edit\_venue.md

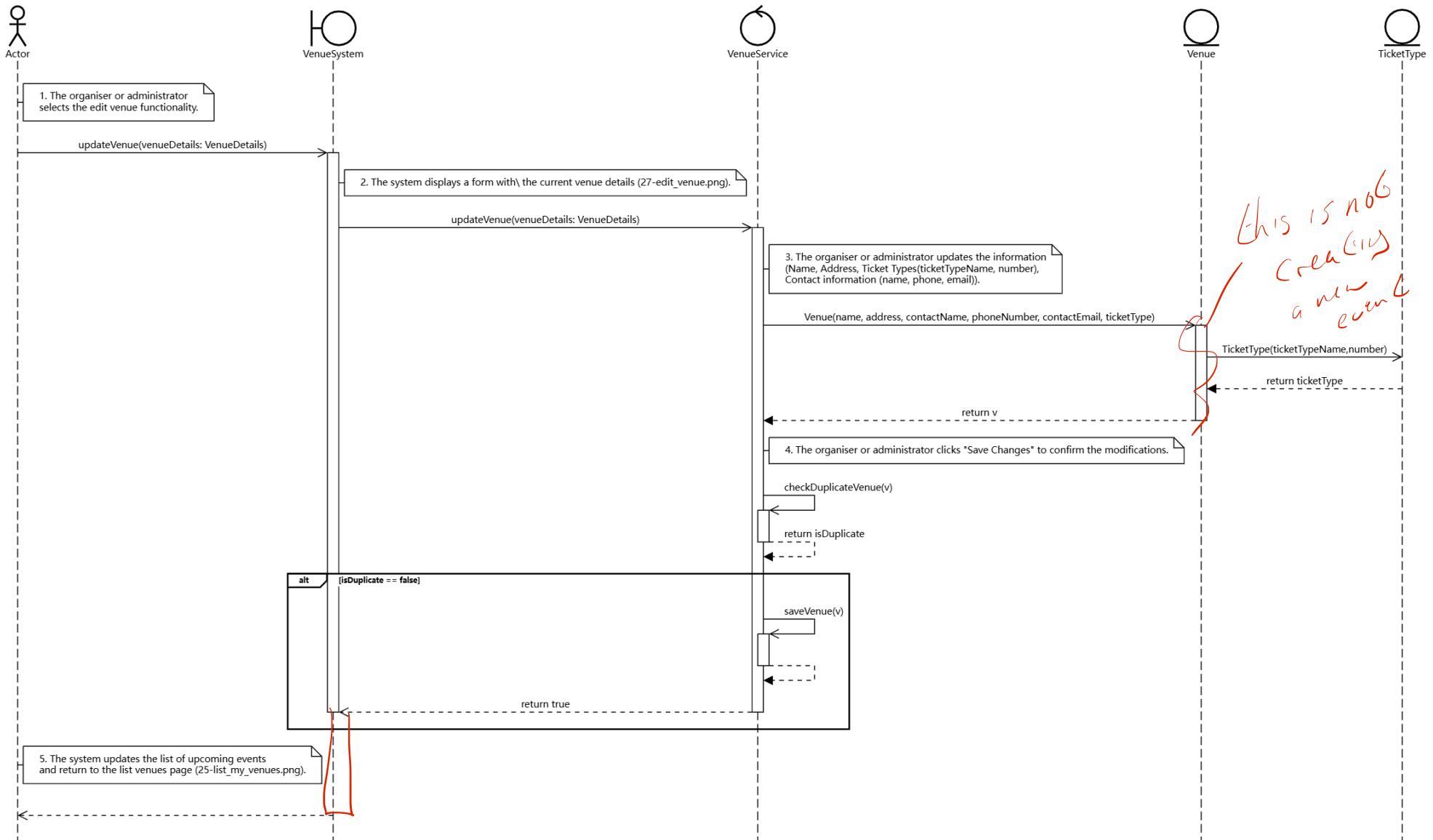
## 06 Edit Venue

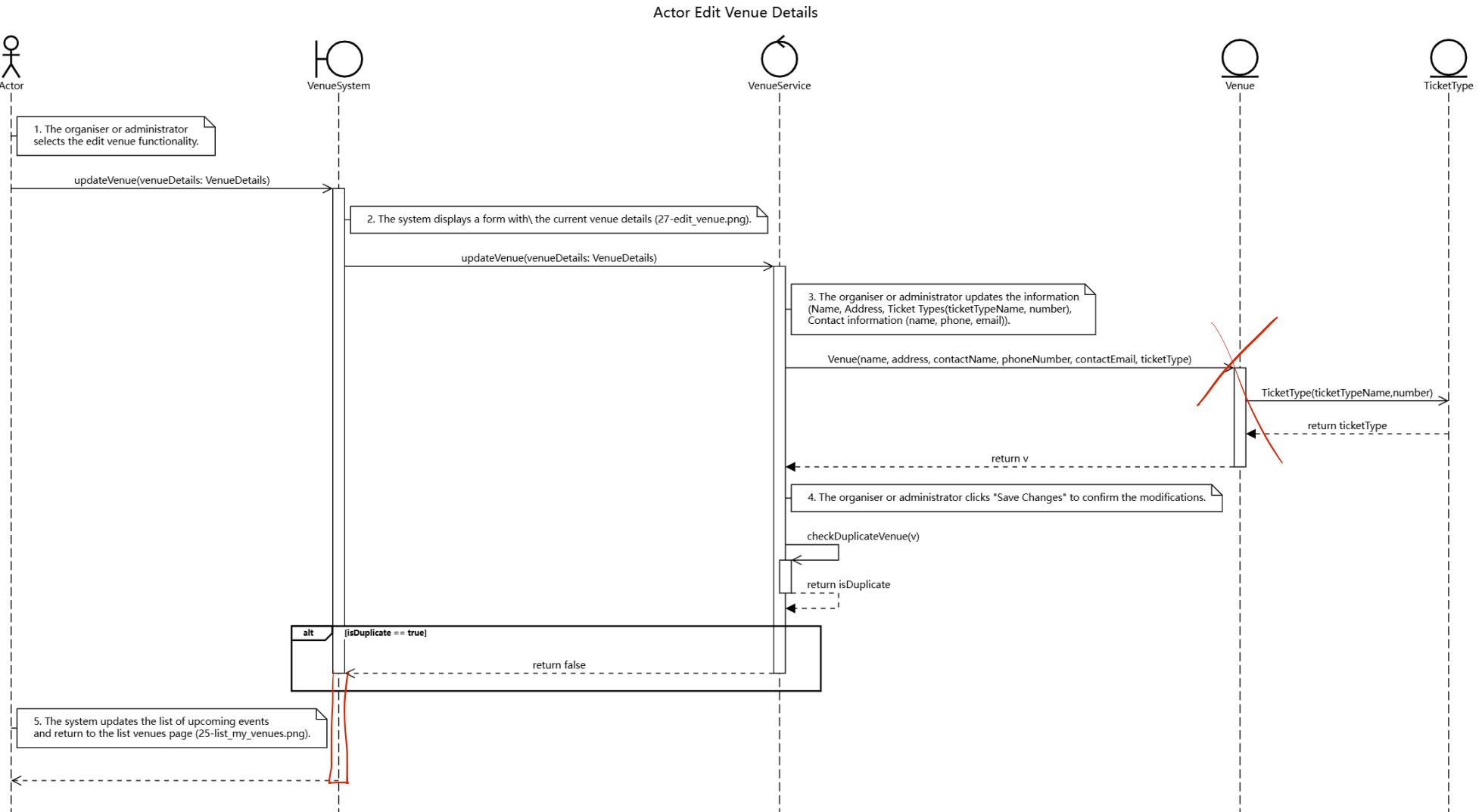
### Basic Course of Events

1. The organiser or administrator selects the edit venue functionality.
2. The system displays a form with the current venue details (27-edit\_venue.png).
3. The organiser or administrator updates the information (Name, Address, Ticket Types(ticketTypeName, number), Contact information (name, phone, email)).
4. The organiser or administrator clicks “Save Changes” to confirm the modifications.
5. The system updates the list of upcoming events and return to the list venues page (25-list\_my\_venues.png).

## Sequence Diagram

Actor Edit Venue Details





## Alternate Course of Events

### Duplicate Venue

- The organiser or administrator selects the add venue functionality
- The system displays the add venue page (26-create\_venue.png) page
- The organiser or administrator enters the details of the venue(Name, Address, Ticket Types(ticketTypeName, number), Contact information (name, phone, email))
- The displays an error message and prevents saving the duplicate entry(add\_venue-duplicate.png).
- The organiser or administrator clicks OK
- The system returns to step 2 of the use case

## Sequence Diagram– Alternate Course of Events

### UI Sketches

This is the page that the user must be on at the start to complete the use case - The organizer is on my list venues page (25-list\_my\_venues.png). - The administrator is on the all venues page (04-view\_all\_venues.png).

#### List Venue Page

### My Venues

Venue	Address	Reservations	Edit
Venue 1	123 Main St	50 people reserved	<a href="#">Edit</a>
Venue 2	456 Broadway	100 people reserved	<a href="#">Edit</a>
Venue 3	789 Market St	75 people reserved	<a href="#">Edit</a>
Venue 4	987 Center St	150 people reserved	<a href="#">Edit</a>

[Create Venue](#)

## All Venues

Venue	Address	Reservations	Actions
Venue 1	123 Main St	50 people reserved	<a href="#">Edit</a>   <a href="#">View History</a>   <a href="#">Delete</a>
Venue 2	456 Broadway	100 people reserved	<a href="#">Edit</a>   <a href="#">View History</a>   <a href="#">Delete</a>
Venue 3	789 Market St	75 people reserved	<a href="#">Edit</a>   <a href="#">View History</a>   <a href="#">Delete</a>
Venue 4	987 Center St	150 people reserved	<a href="#">Edit</a>   <a href="#">View History</a>   <a href="#">Delete</a>

[Create Venue](#)

## Edit Venue Page

### Edit Venue

**Venue Name**

**Venue Address**

**Local Contact Details**

**Name**

**Phone Number**

**Email**

**Tickets Type Available**

**Total Capacity**

Ticket Type	Standing	Available Number
Ticket Type	Seated	Available Number
Ticket Type	Premium	Available Number

**Cancel Changes** **Save Changes**

## Error: Duplicate Venue

The venue with the same name and address already exists in the system. Please use a different name or address.

[Back](#)

Filename - 02-analysis/usecases/docs/07-view\_venue\_details.md

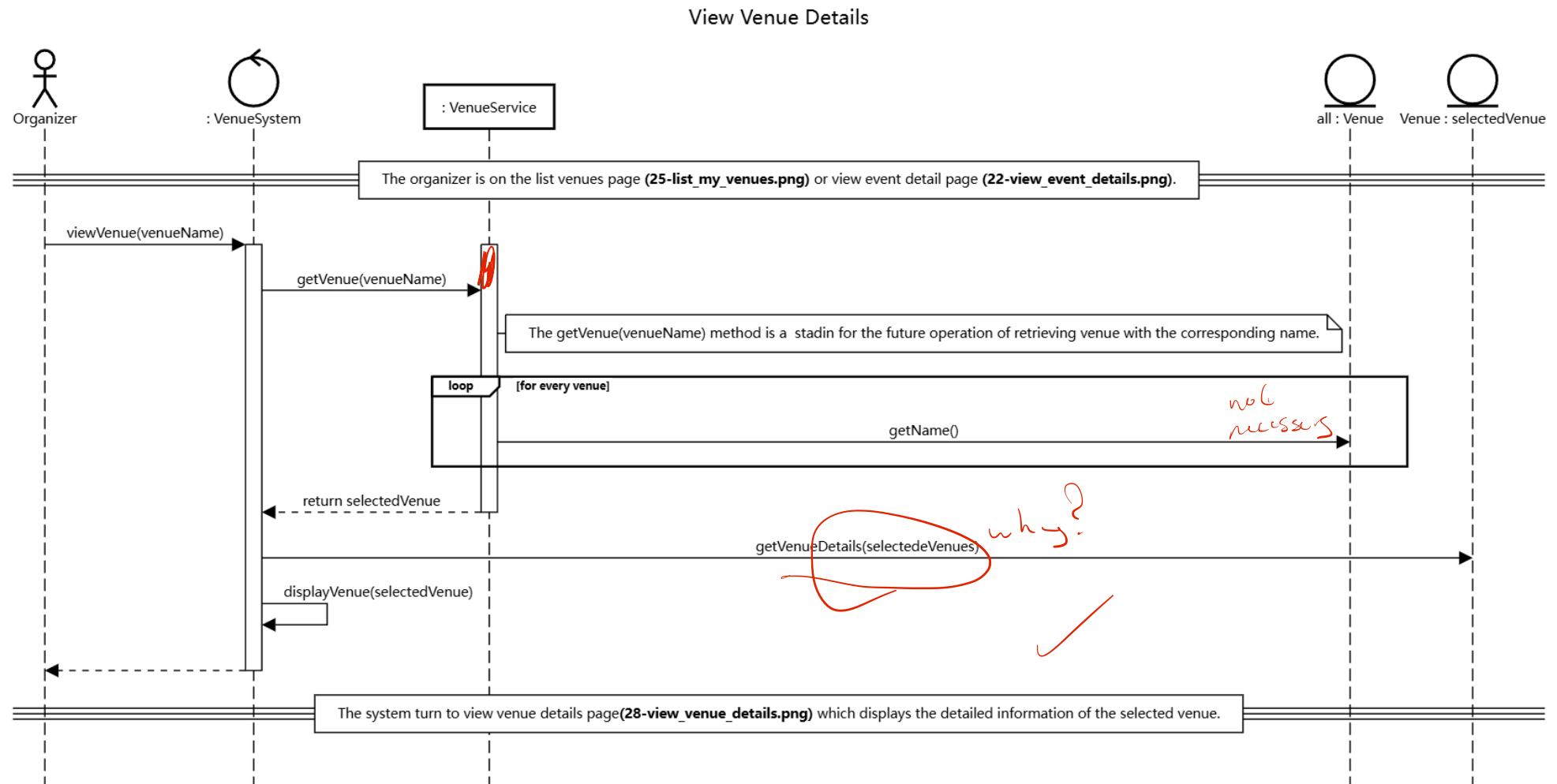
## 07 View Venue Details

### Basic Course of Events

1. The administrator, organizer or user click the view venue details functionality from different page.
2. The system turn to view venue details page(28-view\_venue\_details.png) which displays the venue details, including:
  - Venue Name
  - Address
  - Capacity
  - Contact Information (name, phone, email)

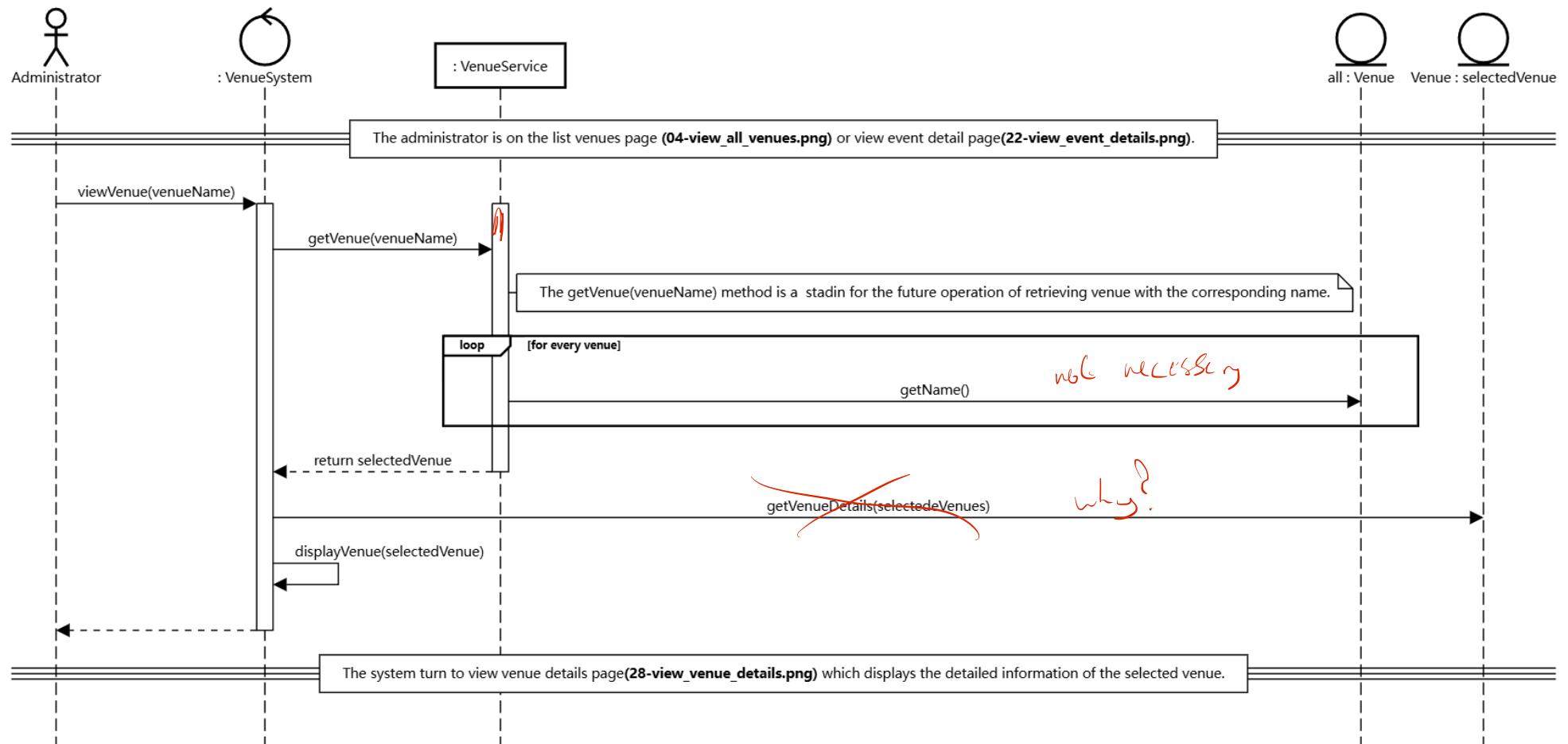
## Sequence Diagram

### Organizer



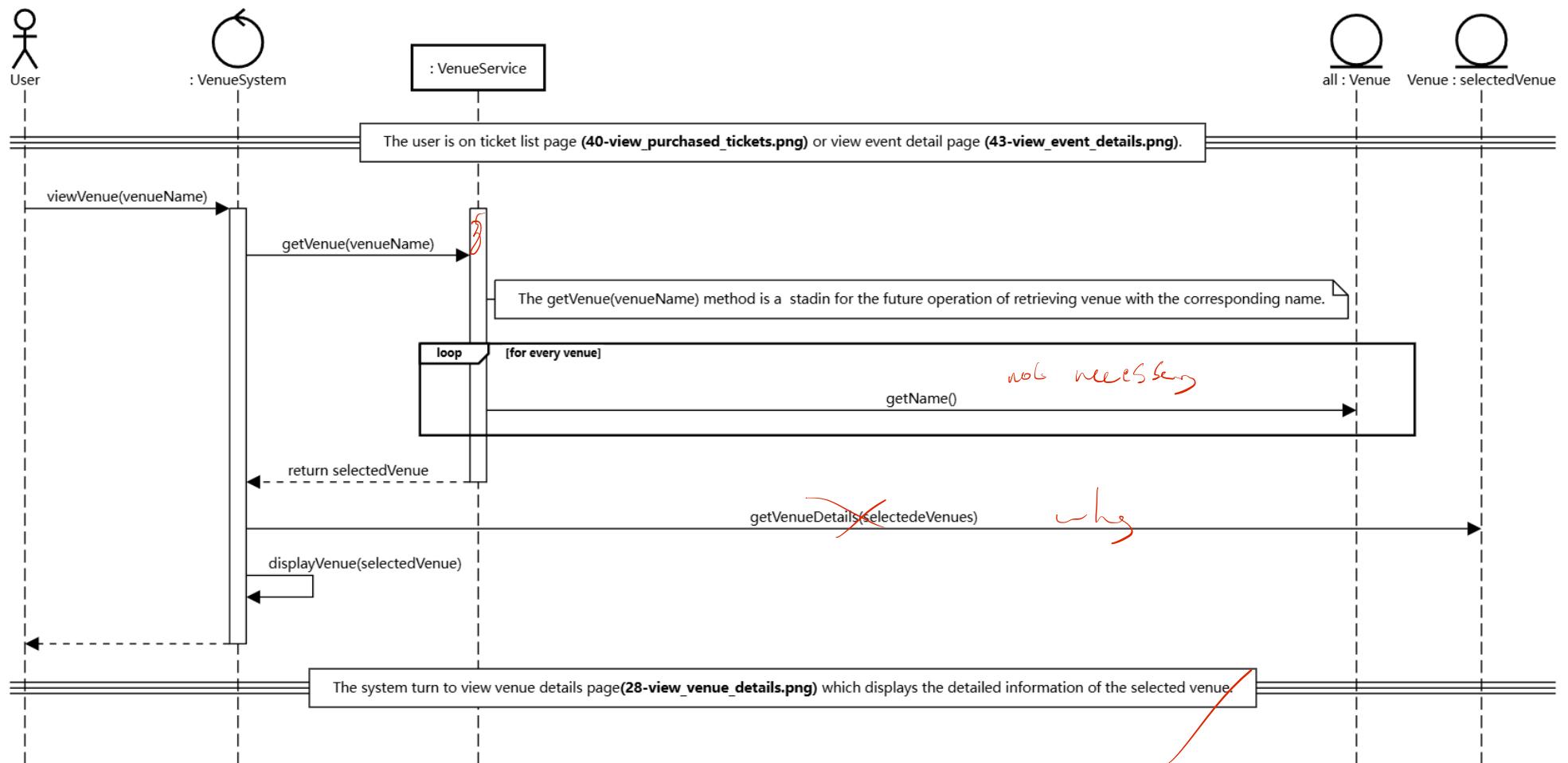
## Administrator

### View Venue Details



## User

### View Venue Details



### Alternate Course of Events

- None

### Sequence Diagram— Alternate Course of Events

- None

## UI Sketches

### Administrator

#### [View All Venues](#)

There are the pages that the user must be on at the start to complete the use case.

#### [View All Venues](#)

## All Venues

Venue	Address	Reservations	Actions
Venue 1	123 Main St	50 people reserved	<a href="#">Edit</a>   <a href="#">View History</a>   <a href="#">Delete</a>
Venue 2	456 Broadway	100 people reserved	<a href="#">Edit</a>   <a href="#">View History</a>   <a href="#">Delete</a>
Venue 3	789 Market St	75 people reserved	<a href="#">Edit</a>   <a href="#">View History</a>   <a href="#">Delete</a>
Venue 4	987 Center St	150 people reserved	<a href="#">Edit</a>   <a href="#">View History</a>   <a href="#">Delete</a>

[Create Venue](#)

# Event Details

**Event Name:** Annual Conference

**Description:** This is a description about the selected event.

**Date:** 03/01/2024

**Time:** 10:00 AM - 4:00 PM

**Total Reservations:** 150 people

**Venue:** Convention Center, 123 Main St

**Organiser:** John Doe, john.doe@example.com

## Ticket Details

<b>Ticket Type:</b> Standing	<b>Price:</b> \$50	<b>Available:</b> 100	<b>Sold:</b> 75
------------------------------	--------------------	-----------------------	-----------------

<b>Ticket Type:</b> Seating	<b>Price:</b> \$80	<b>Available:</b> 50	<b>Sold:</b> 40
-----------------------------	--------------------	----------------------	-----------------

<b>Ticket Type:</b> Premium	<b>Price:</b> \$120	<b>Available:</b> 20	<b>Sold:</b> 15
-----------------------------	---------------------	----------------------	-----------------

[View event registrations](#)

## View Venue Details

### Venue Details

**Venue Name:** Grand Convention Center

**Address:** 456 City Road, Business District

### Local Contact Details

**Contact Name:** Jane Smith

**Phone Number:** 123-456-7890

**Email:** jane.smith@example.com

**Total Capacity:** 2000

### Ticket Breakdown

**Ticket Type:** Standing                           **Available:** 1000

**Ticket Type:** Seating                           **Available:** 700

**Ticket Type:** Premium                           **Available:** 300

**Note:** Venues can only be removed from the system by administrators.

## User

There the pages that the user must be on at the start to complete the use case.

## My Tickets

**Event 1** - 01/01/2024 - Venue 1 - Section\_1&Row\_1

[View](#) [Cancel](#)

---

**Event 2** - 02/01/2024 - Venue 2 - Section\_2&Row\_2

[View](#) [Cancel](#)

[Cancel](#)

# Event Details

**Event Name:** Annual Conference

**Description:** This is a description about the selected event.

**Date:** 03/01/2024

**Time:** 10:00 AM - 4:00 PM

**Total Reservations:** 150 people

**Venue:** Convention Center, 123 Main St

**Organiser:** John Doe, john.doe@example.com

## Ticket Details

**Ticket Type:** Standing      **Price:** \$50      **Available:** 100      **Sold:** 75

**Ticket Type:** Seating      **Price:** \$80      **Available:** 50      **Sold:** 40

**Ticket Type:** Premium      **Price:** \$120      **Available:** 20      **Sold:** 15

## View Venue Details

### Venue Details

**Venue Name:** Grand Convention Center

**Address:** 456 City Road, Business District

### Local Contact Details

**Contact Name:** Jane Smith

**Phone Number:** 123-456-7890

**Email:** jane.smith@example.com

**Total Capacity:** 2000

### Ticket Breakdown

**Ticket Type:** Standing                                   **Available:** 1000

**Ticket Type:** Seating                                   **Available:** 700

**Ticket Type:** Premium                               **Available:** 300

**Note:** Venues can only be removed from the system by administrators.

### Organizer

There are the pages that the user must be on at the start to complete the use case.

## My Venues

Venue	Address	Reservations	Edit
Venue 1	123 Main St	50 people reserved	<a href="#">Edit</a>
Venue 2	456 Broadway	100 people reserved	<a href="#">Edit</a>
Venue 3	789 Market St	75 people reserved	<a href="#">Edit</a>
Venue 4	987 Center St	150 people reserved	<a href="#">Edit</a>

[Create Venue](#)

# Event Details

**Event Name:** Annual Conference

**Description:** This is a description about the selected event.

**Date:** 03/01/2024

**Time:** 10:00 AM - 4:00 PM

**Total Reservations:** 150 people

**Venue:** Convention Center, 123 Main St

**Organiser:** John Doe, john.doe@example.com

## Ticket Details

<b>Ticket Type:</b> Standing	<b>Price:</b> \$50	<b>Available:</b> 100	<b>Sold:</b> 75
------------------------------	--------------------	-----------------------	-----------------

<b>Ticket Type:</b> Seating	<b>Price:</b> \$80	<b>Available:</b> 50	<b>Sold:</b> 40
-----------------------------	--------------------	----------------------	-----------------

<b>Ticket Type:</b> Premium	<b>Price:</b> \$120	<b>Available:</b> 20	<b>Sold:</b> 15
-----------------------------	---------------------	----------------------	-----------------

[View event registrations](#)

## Venue Details

**Venue Name:** Grand Convention Center

**Address:** 456 City Road, Business District

### Local Contact Details

**Contact Name:** Jane Smith

**Phone Number:** 123-456-7890

**Email:** jane.smith@example.com

**Total Capacity:** 2000

### Ticket Breakdown

**Ticket Type:** Standing                                   **Available:** 1000

**Ticket Type:** Seating                                   **Available:** 700

**Ticket Type:** Premium                                 **Available:** 300

**Note:** Venues can only be removed from the system by administrators.

Filename - 02-analysis/usecases/docs/08-modify\_account.md

## 08 Modify Account

### Basic Course of Events

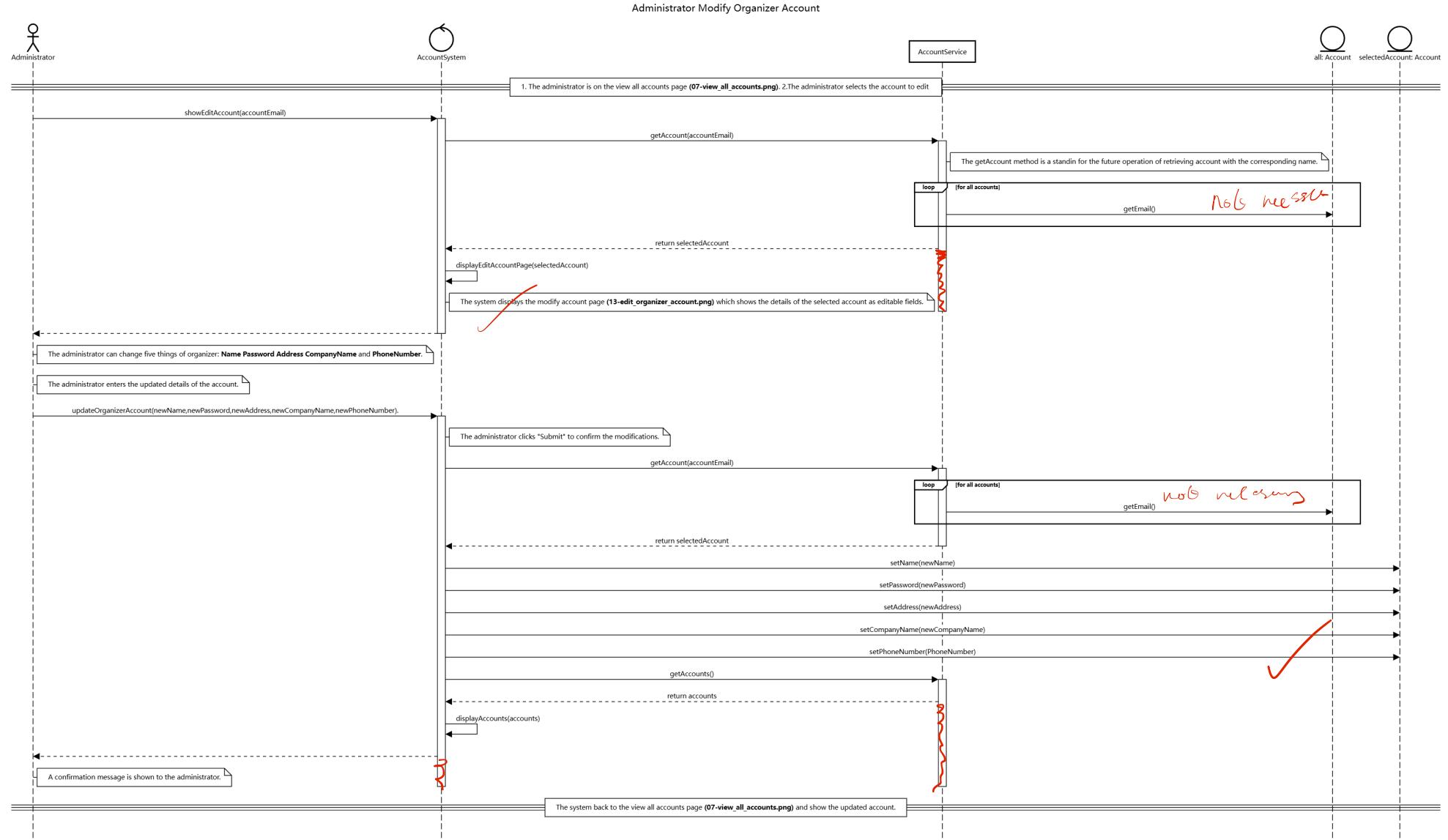
#### Course of Events– Administrator Modifying Other Accounts

- The administrator is on the view all accounts page(07-view\_all\_accounts.png).
- The administrator selects the account to edit.
- The system displays the modify account page (12-edit\_user\_account.png,13-edit\_organizer\_account.png,14-edit\_administrator\_account.png) which shows the details of the selected account as editable fields.

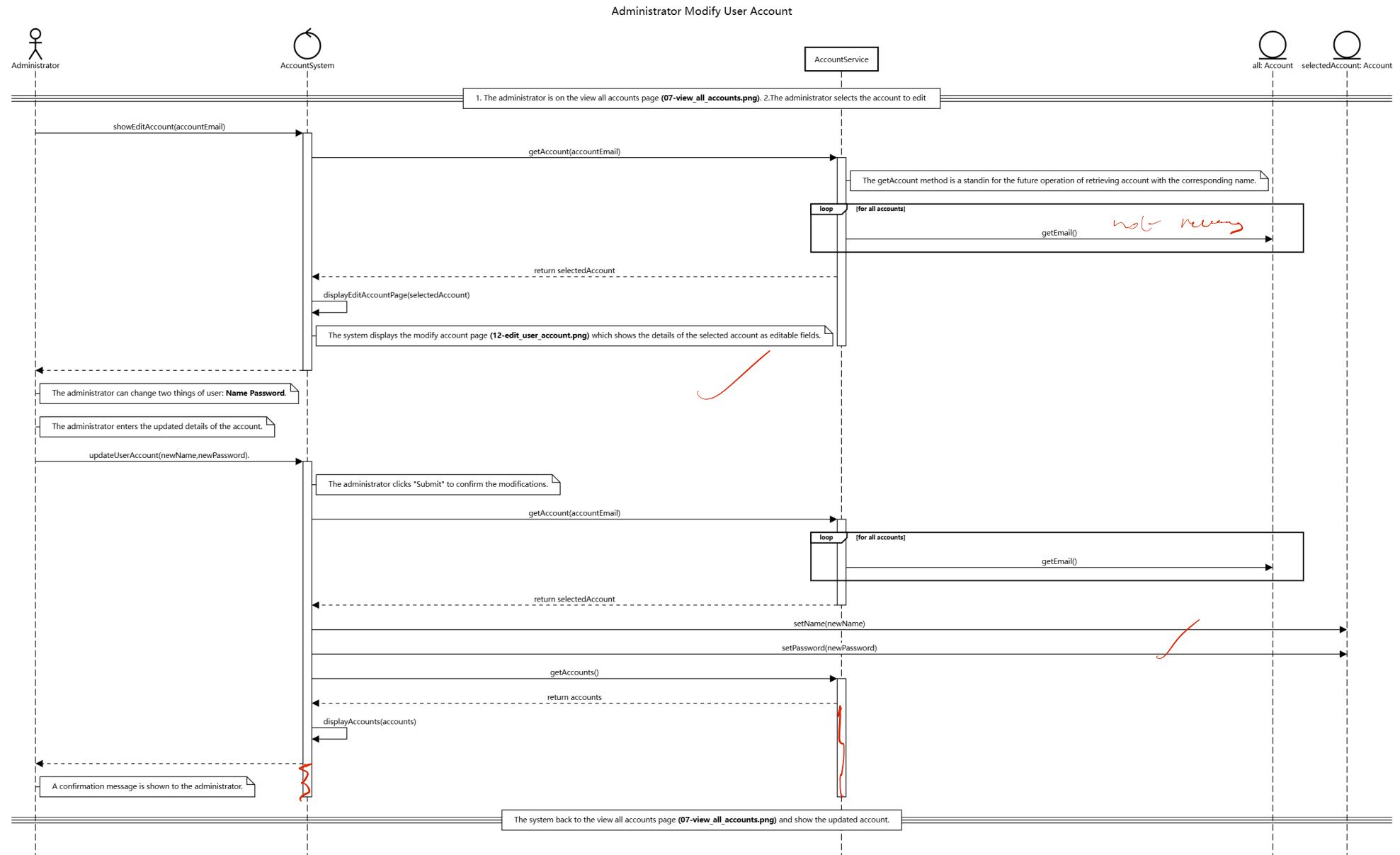
- The administrator enters the updated details of the account.
- The administrator clicks “Submit” to confirm the modifications.
- A confirmation message is shown to the administrator.
- The system back to the view all accounts page(07-view\_all\_accounts.png)and show the updated account.

## Sequence Diagram

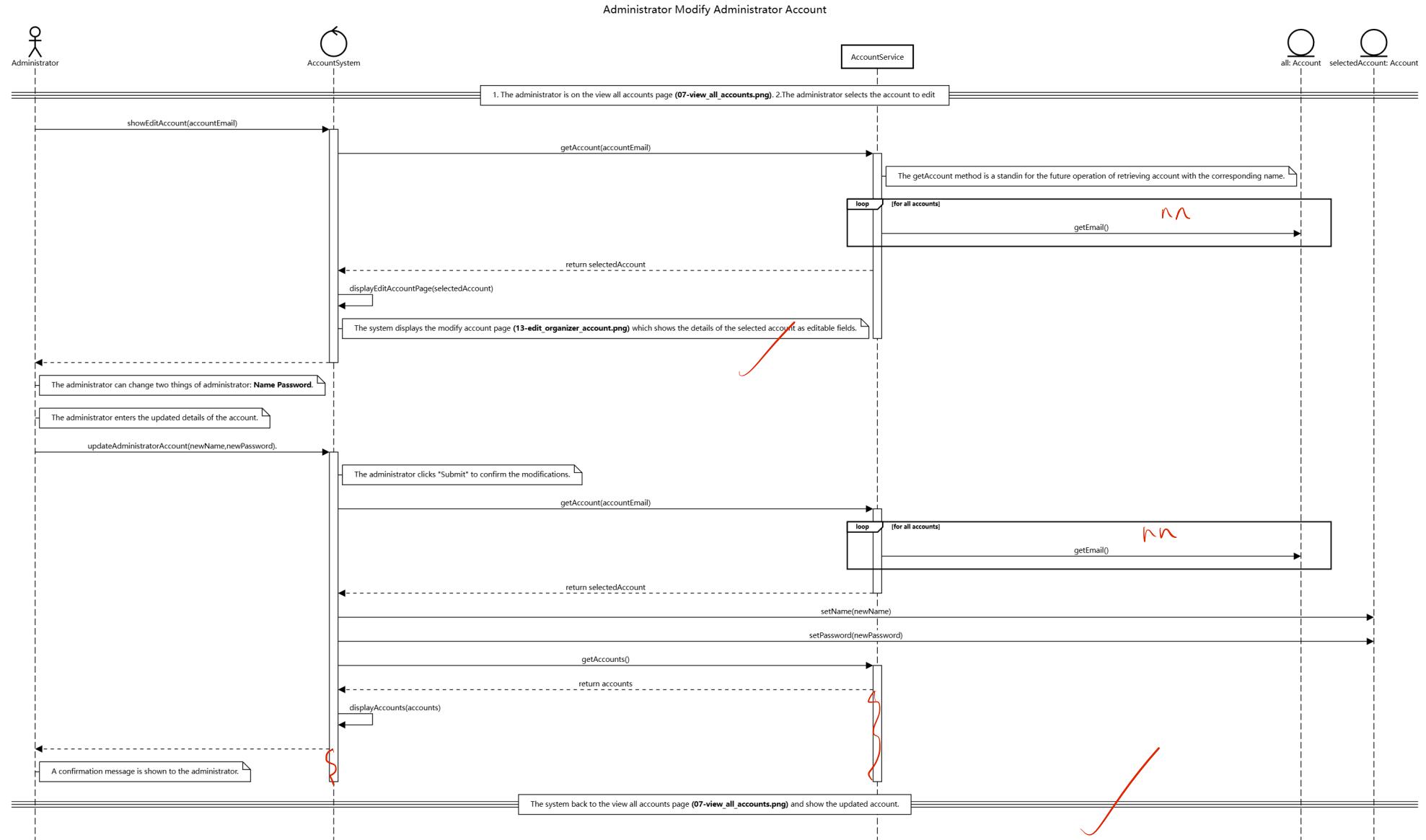
### Administrator Modifying Organizer Account



## Administrator Modifying User Account



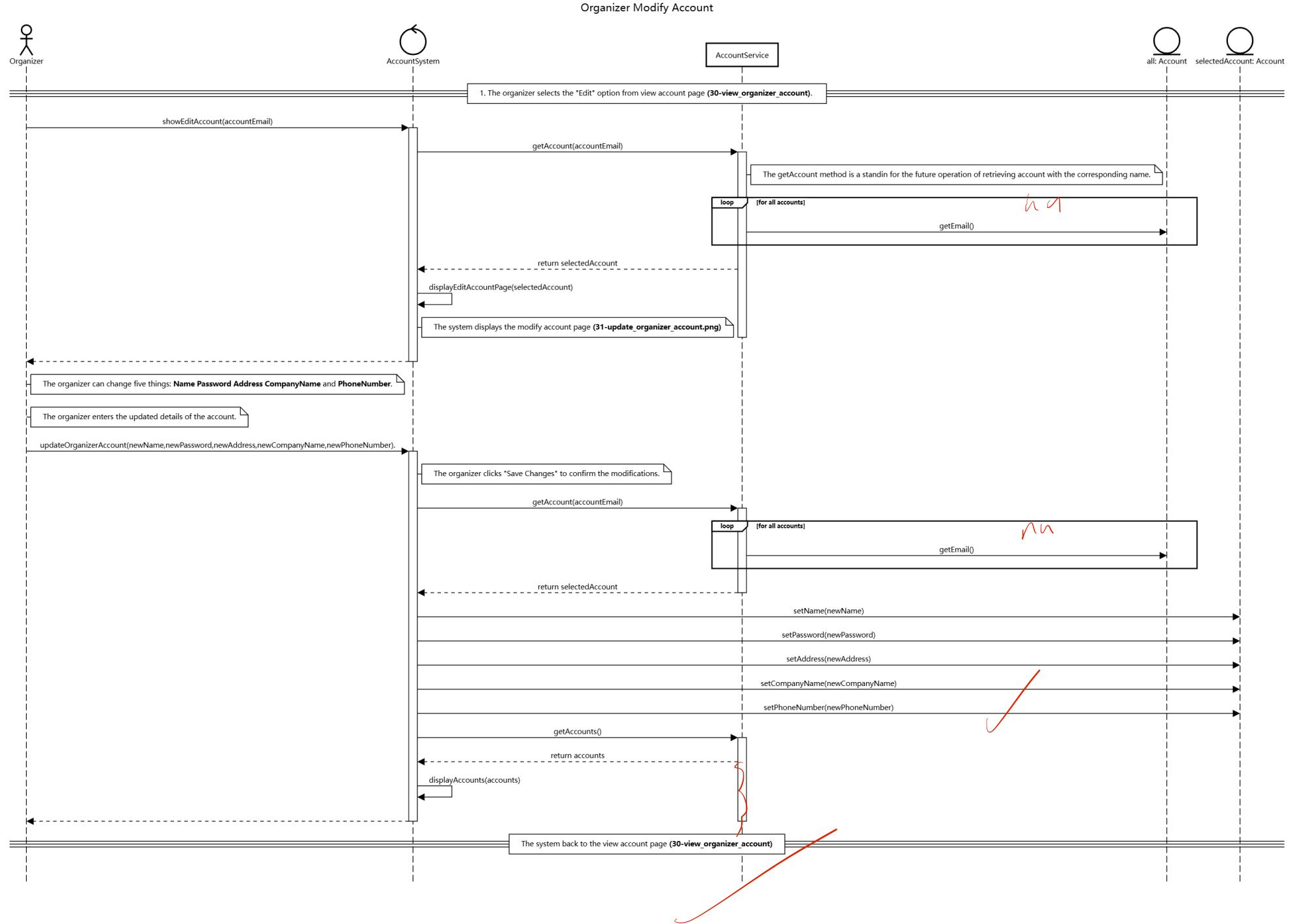
## Administrator Modifying Administrator Account



## Course of Events– Organizer Modifying Their Accounts

- The organizer selects the “Edit” option from view account page(30-view\_organizer\_account).
- The system displays the modify account page(31-update\_organizer\_account.png):
- The organizer enters the updated details of the account.
- The organizer clicks “Save Changes” to confirm the modifications.
- The system back to the view account page(30-view\_organizer\_account).

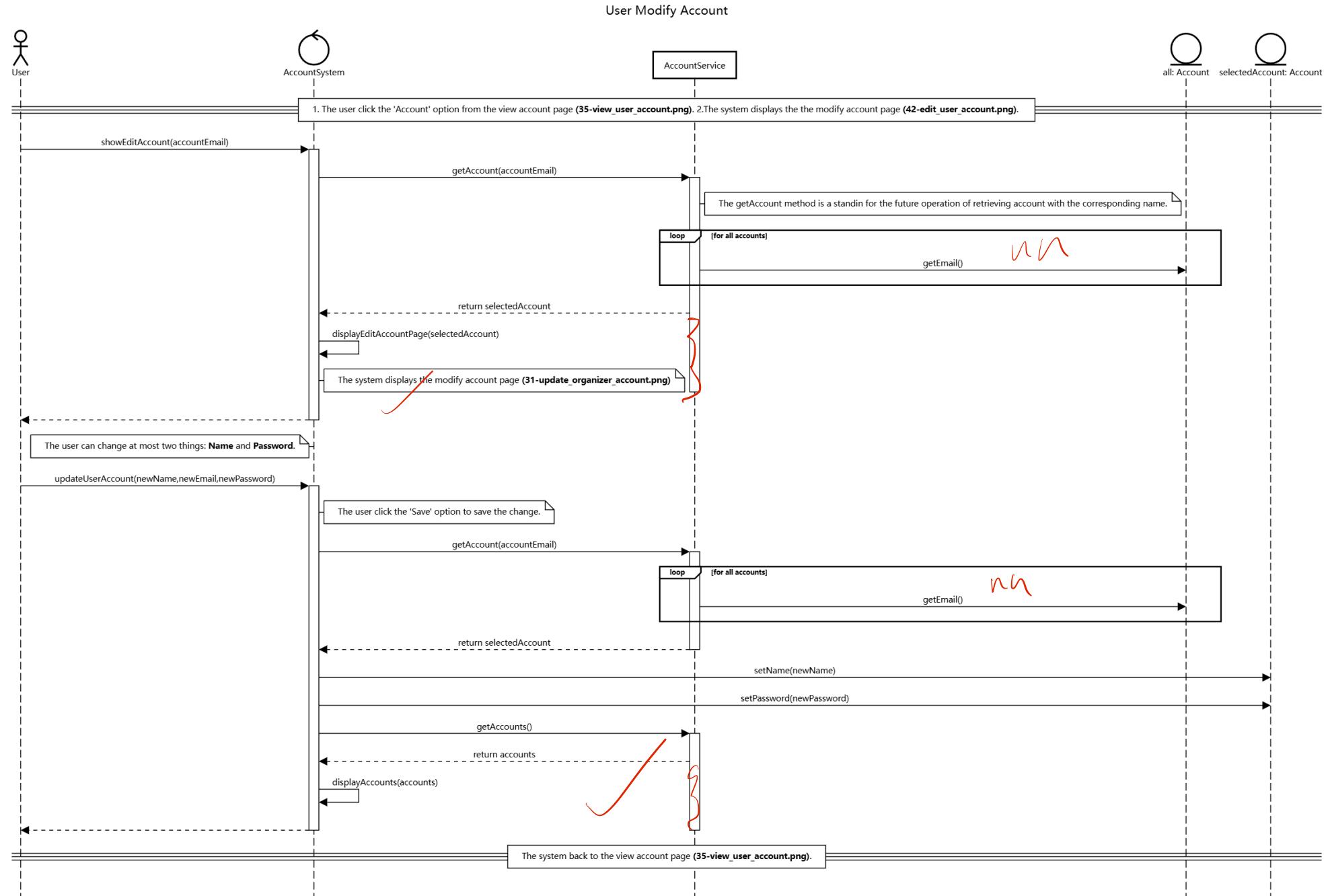
## Sequence Diagram



## **Course of Events– User Modifying Their Accounts**

- The user click the ‘Account’ option from the view account page(35-view\_user\_account.png).
- The system displays the modify account page(42-edit\_user\_account.png).
- The user can change at most two things:
  1. Name.
  2. Password.
- The user click the ‘Save’ option to save the change.
- The system back to the view account page(35-view\_user\_account.png).

## Sequence Diagram



## Alternate Course of Events

### Invalid Password

- The administrator or user selects the modify account functionality
- The system displays the modify account page (07-modify-account) which shows the details of the selected account as editable fields
- The administrator or user enters invalid or incomplete information.
- The system prompts for corrections and prevents submission until valid data is provided.

### Sequence Diagram— Alternate Course of Events

#### Missing Required Fields

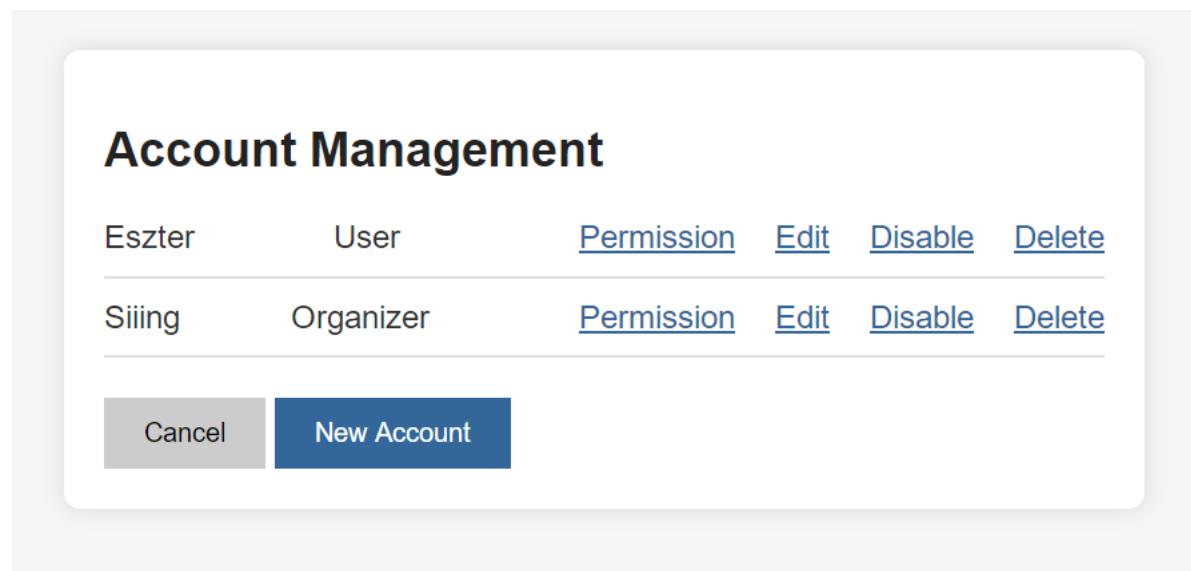
- The administrator or user selects the modify account functionality
- The system displays the modify account page (07-modify-account) which shows the details of the selected account as editable fields
- If the administrator or user submits the form with missing required fields (e.g., name, password). The system highlights the missing fields and prevents submission until user provides the necessary information.

### Sequence Diagram— Alternate Course of Events

#### UI Sketches

#### Related UI Prototypes— Administrator Modifying Other Accounts

This is the page that the user must be on at the start to complete the use case.



The image shows a wireframe of a web-based account management interface. At the top center, the title "Account Management" is displayed in a large, bold, dark font. Below the title, there is a table structure showing two rows of account data. The first row contains the name "Eszter" and the role "User". To the right of these, there are four buttons: "Permission", "Edit", "Disable", and "Delete", each underlined in blue. The second row contains the name "Siiing" and the role "Organizer", followed by the same four buttons. At the bottom left of the interface, there is a grey button labeled "Cancel". To the right of the "Cancel" button, there is a blue button labeled "New Account".

Eszter	User	<u>Permission</u>	<u>Edit</u>	<u>Disable</u>	<u>Delete</u>
Siiing	Organizer	<u>Permission</u>	<u>Edit</u>	<u>Disable</u>	<u>Delete</u>

## User Account Info

Name

Ruixin

Email

3121423412@qq.com

Password

.....



Cancel

Submit

## Organizer Account Info

Name

Email

Password



Address

Company Name

Phone Number

CancelSubmit

## Administrator Account Info

Name

Shuhan

Email

shuhan123@163.com

Password

.....



Cancel

Submit

### Related UI Prototypes—Organizer Modifying Their Accounts

This is the page that the user must be on at the start to complete the use case.

**Organizer Account**

Name

Address

Company Name

Email

Password

Phone Number

**Past Events**

---

**Event 1** 01/10/2023 123 Main St 100 people reserved

---

**Event 2** 15/09/2023 456 Broadway Ave 150 people reserved

---

**Future Events**

---

**Event 3** 03/01/2024 789 Market St 75 people reserved

---

**Event 4** 10/02/2024 101 Elm St 120 people reserved

---

**Edit**

## Organizer Account

Name

Address

Company Name

Email

Password

Phone Number

**Past Events**

**Event 1** 01/10/2023 123 Main St 100 people reserved [Edit](#)

**Event 2** 15/09/2023 456 Broadway Ave 150 people reserved [Edit](#)

**Future Events**

**Event 3** 03/01/2024 789 Market St 75 people reserved [Edit](#)

**Event 4** 10/02/2024 101 Elm St 120 people reserved [Edit](#)

**Save Changes**

### Related UI Prototypes– User Modifying Their Accounts

This is the page that the user must be on at the start to complete the use case.

# User Account Info

Name

Email

Password



Cancel

Save

## User Account Info

Name

Ruixin

Email

3121423412@qq.com

Password

.....



Cancel

Submit

## Error: Invalid Email or Password

The email format you entered is invalid, or the password does not meet the required security standards. Please enter a valid email or password.

Back

## Error: Invalid Email or Password

The email format you entered is invalid, or the password does not meet the required security standards. Please enter a valid email or password.

[Back](#)

### Data Outcome

- **READ** - The details of the selected account in the system will be read and display.
- **UPDATE** - The details of the selected account will be changed.

**Filename - 02-analysis/usecases/docs/09-view\_account.md**

### 09 View Account

#### Basic Course of Events

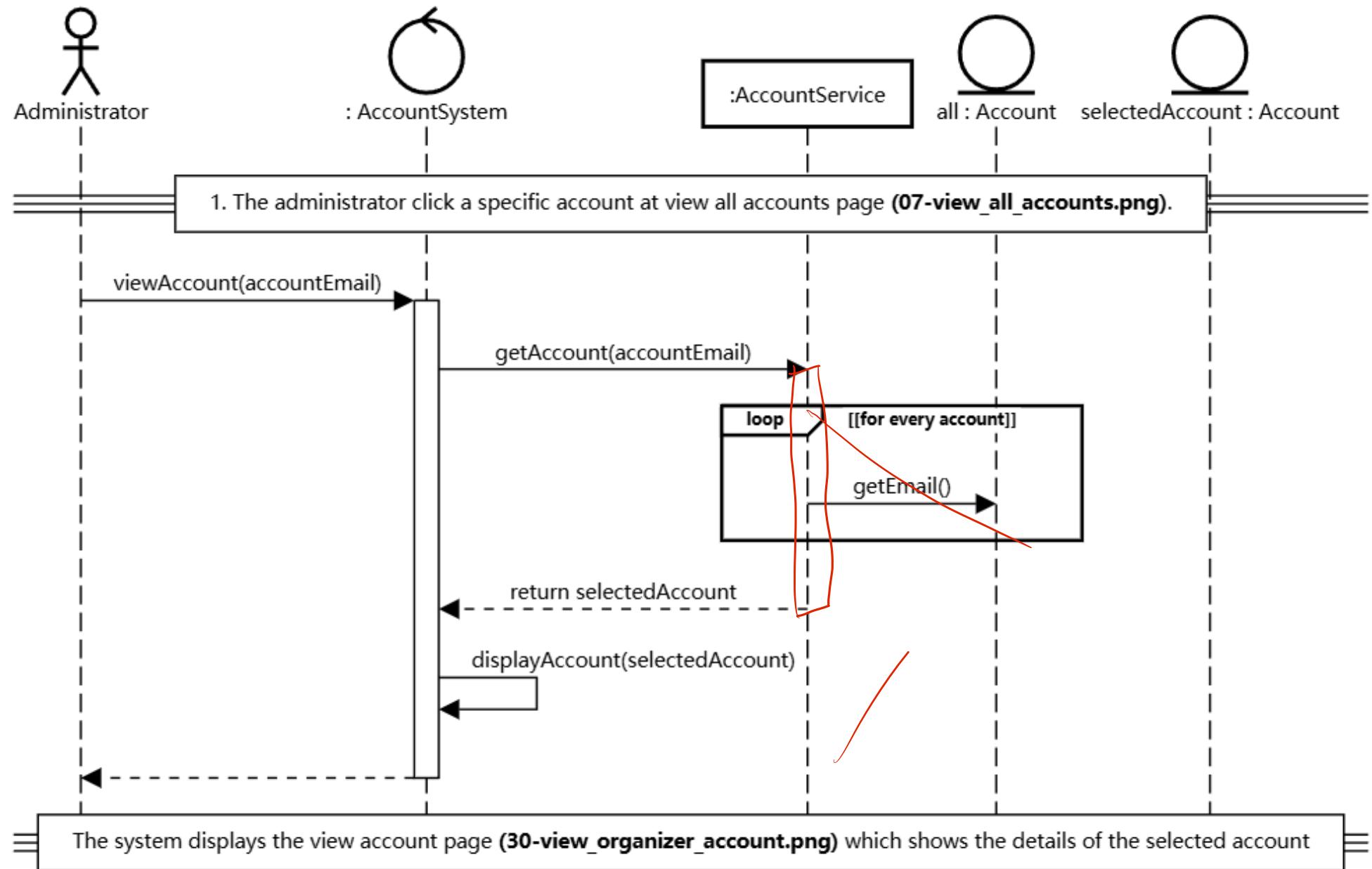
##### Course of Events– Administrator Viewing Other Accounts

- The administrator click a specific account at view all accounts page(07-view\_all\_accounts.png).
- The system displays the view account page (30-view\_organizer\_account.png,35-view\_user\_account.png) which shows the details of the selected account

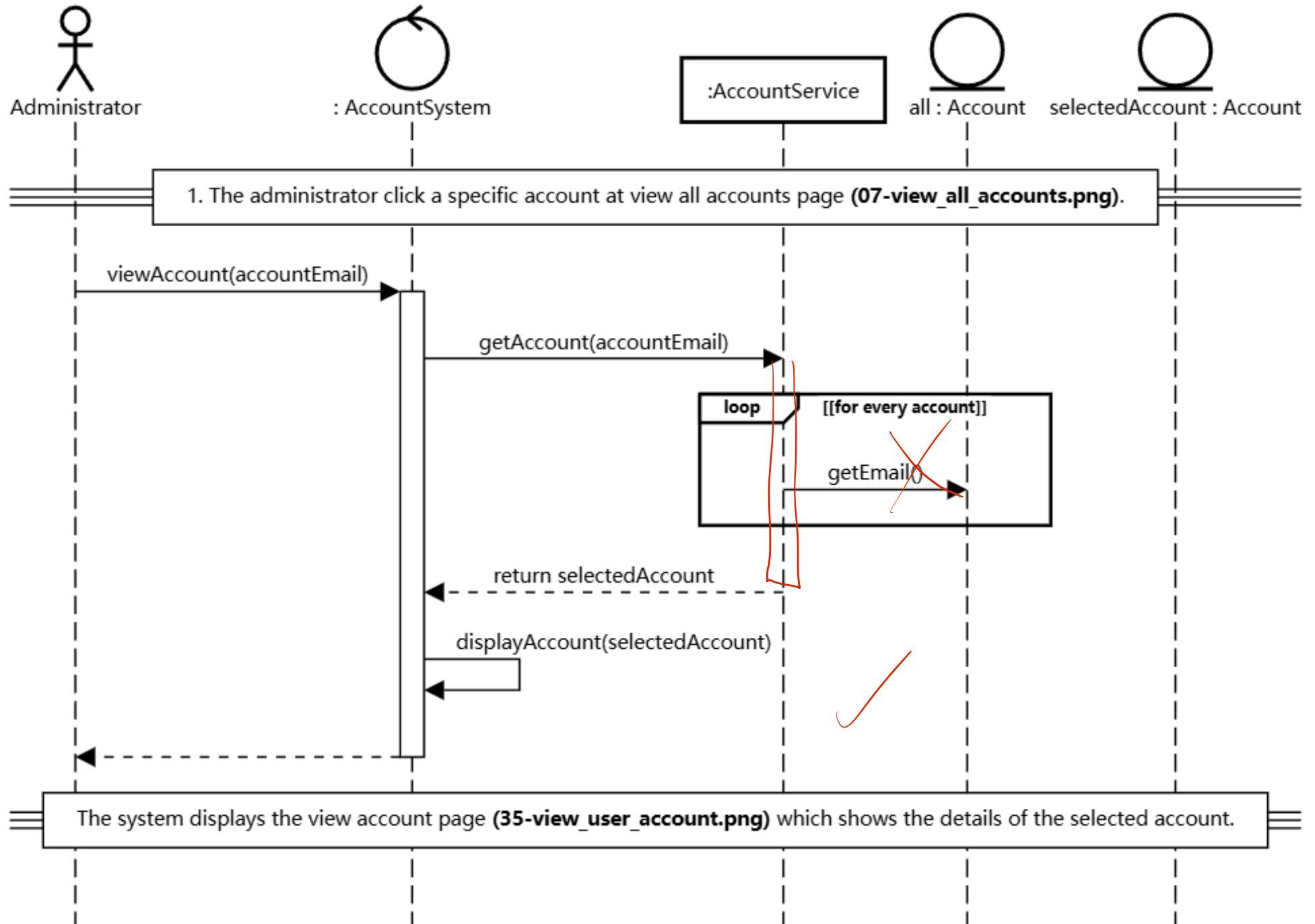
Sequence Diagram

View Organizer

### Administrator View Organizer Account



## Administrator View User Account

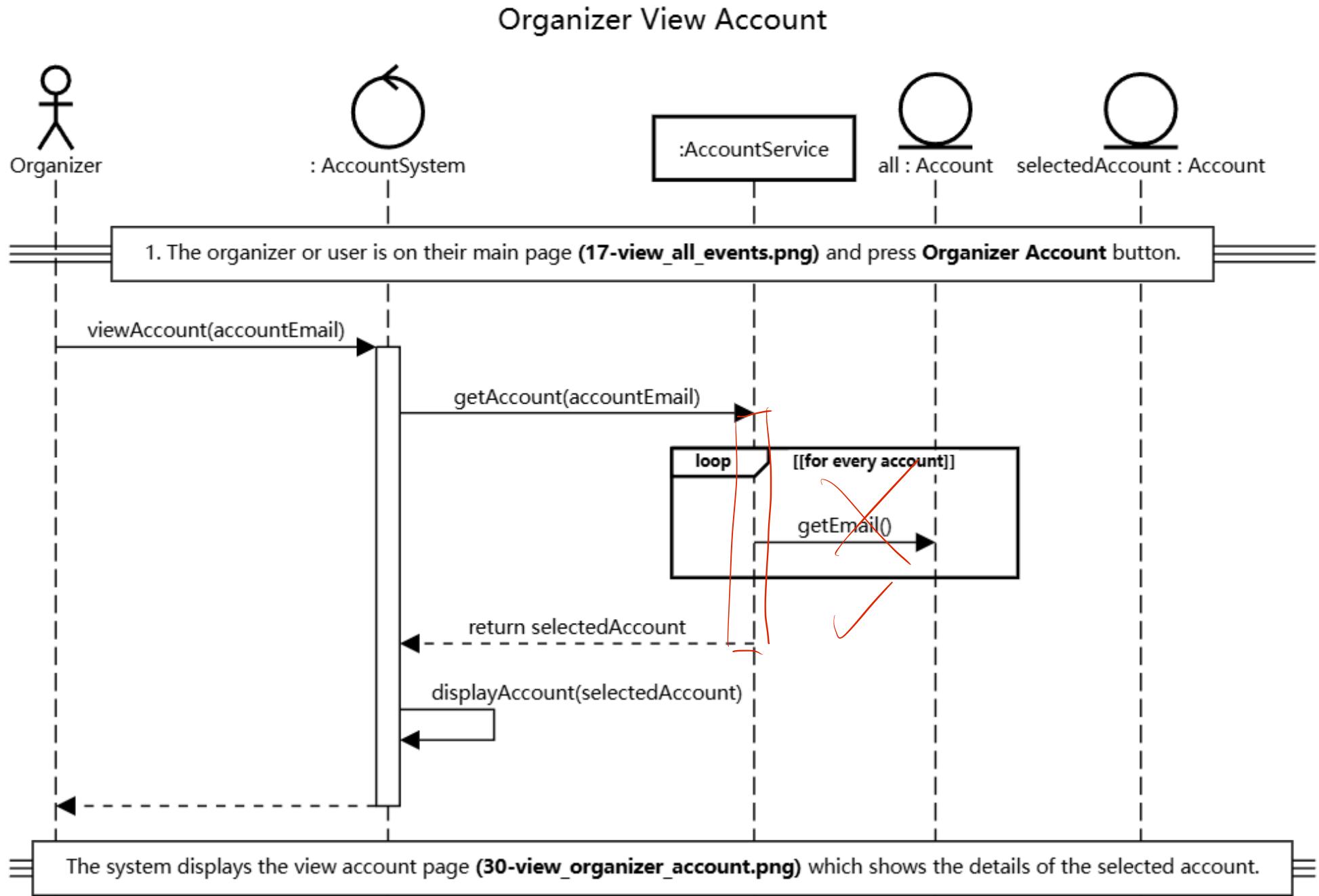


#### **Course of Events– Any User Viewing Their Account**

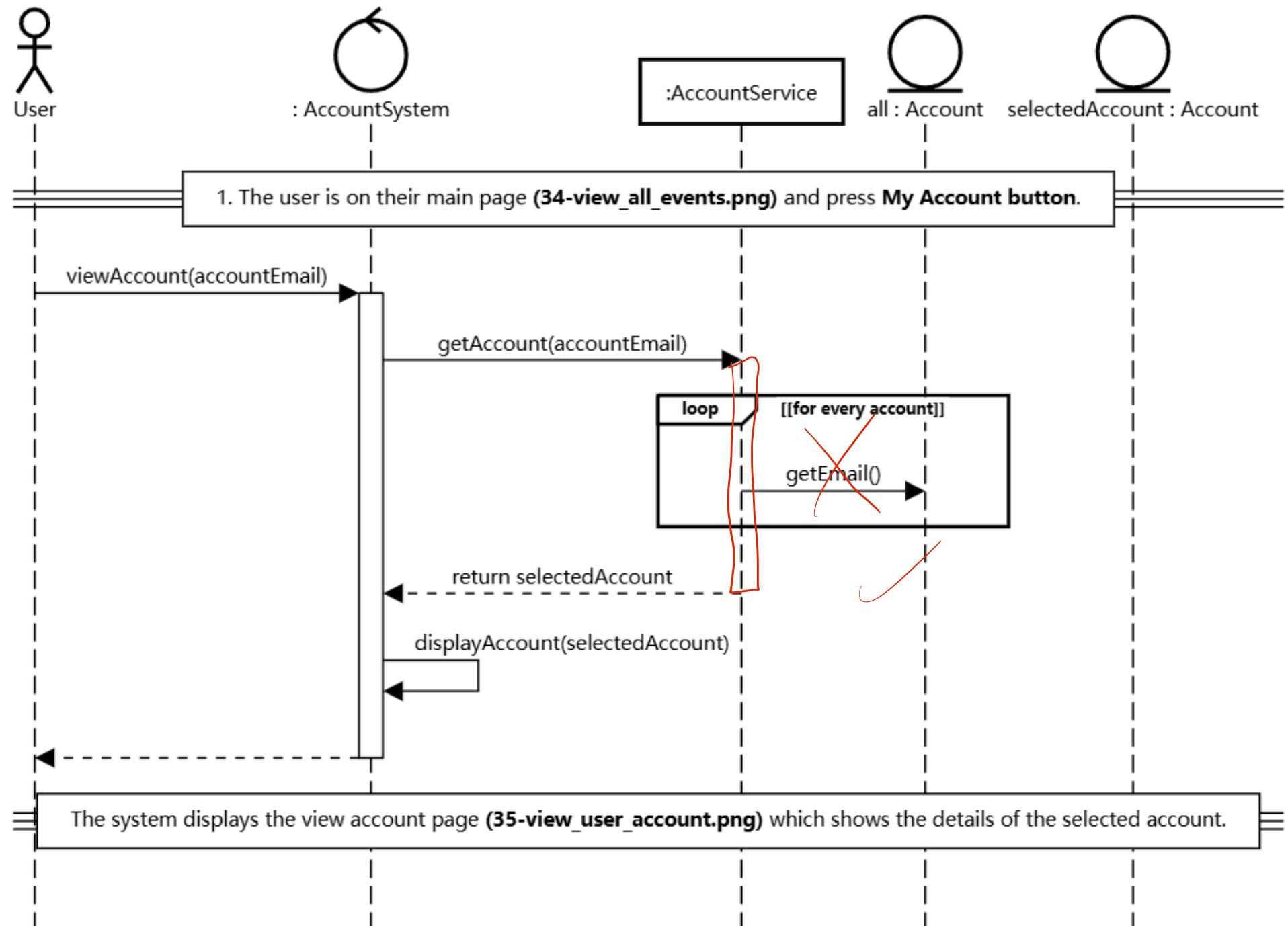
- The organizer or user is on their main page(17-view\_all\_events.png,34-view\_all\_events.png) and press **Account** button.
- The system displays the view account page (30-view\_organizer\_account.png,35-view\_user\_account.png) which shows the details of the selected account

## Sequence Diagram

Organizer



## User View Account



## **Alternate Course of Events**

### **No Events Available**

- If there are no past or future events associated with the organizer, the system displays an empty state message, such as “No Events Available”.

### **Sequence Diagram— Alternate Course of Events**

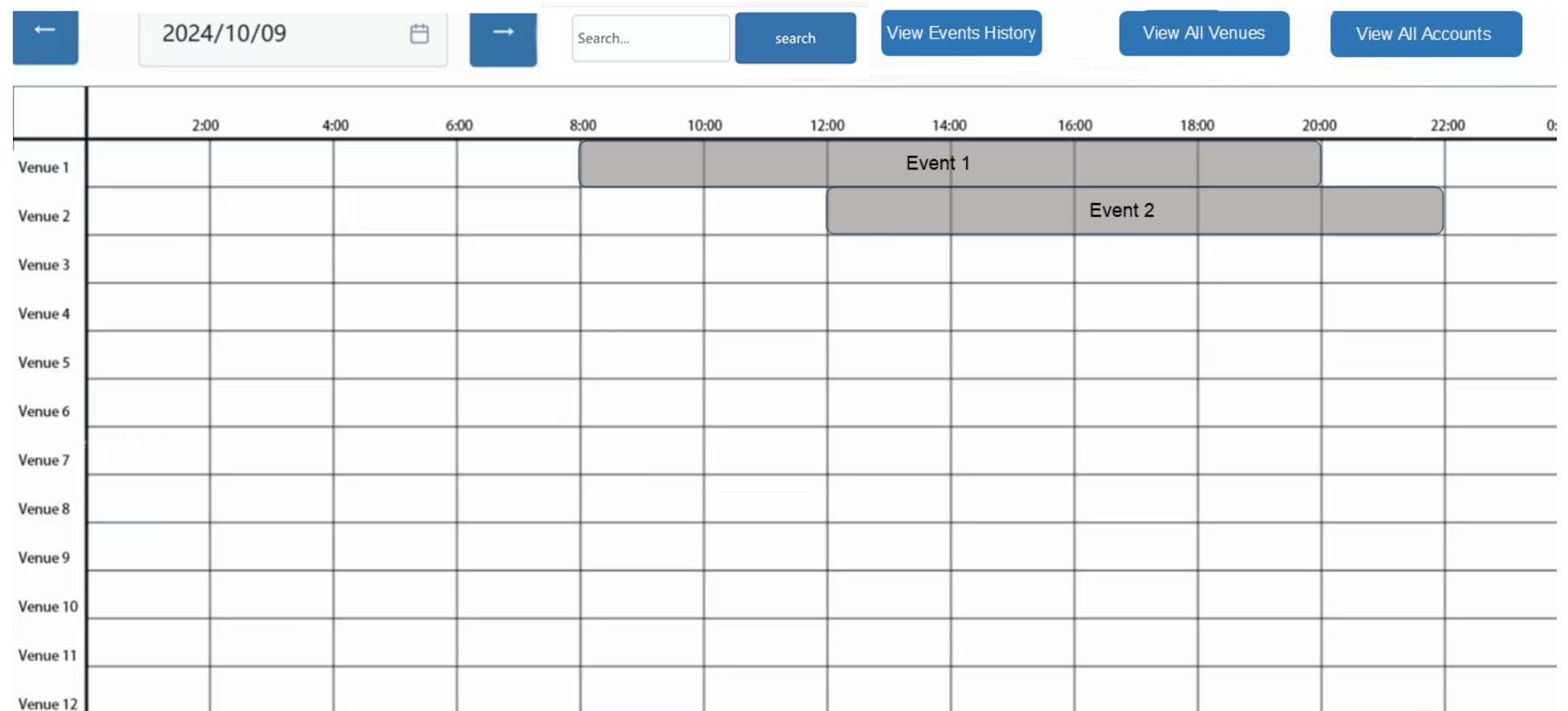
- This does not need a sequence diagram because it is same as previous and won’t use different method.

## **UI Sketches**

### **Administrator**

This is the page that the user must be on at the start to complete the use case.

## Main Page



[View All Accounts](#)

## Account Management

Eszter	User	<a href="#">Permission</a>	<a href="#">Edit</a>	<a href="#">Disable</a>	<a href="#">Delete</a>
--------	------	----------------------------	----------------------	-------------------------	------------------------

Siiing	Organizer	<a href="#">Permission</a>	<a href="#">Edit</a>	<a href="#">Disable</a>	<a href="#">Delete</a>
--------	-----------	----------------------------	----------------------	-------------------------	------------------------

[Cancel](#)

[New Account](#)

[View Selected Account](#)

User

## User Account Info

**Name**

Ruixin

**Email**

3121423412@qq.com

**Password**

.....



[Cancel](#)

[Save](#)

## Organizer

### Organizer Account

Name

Address

Company Name

Email

Password

Phone Number

#### Past Events

**Event 1** 01/10/2023 123 Main St 100 people reserved

**Event 2** 15/09/2023 456 Broadway Ave 150 people reserved

---

#### Future Events

**Event 3** 03/01/2024 789 Market St 75 people reserved

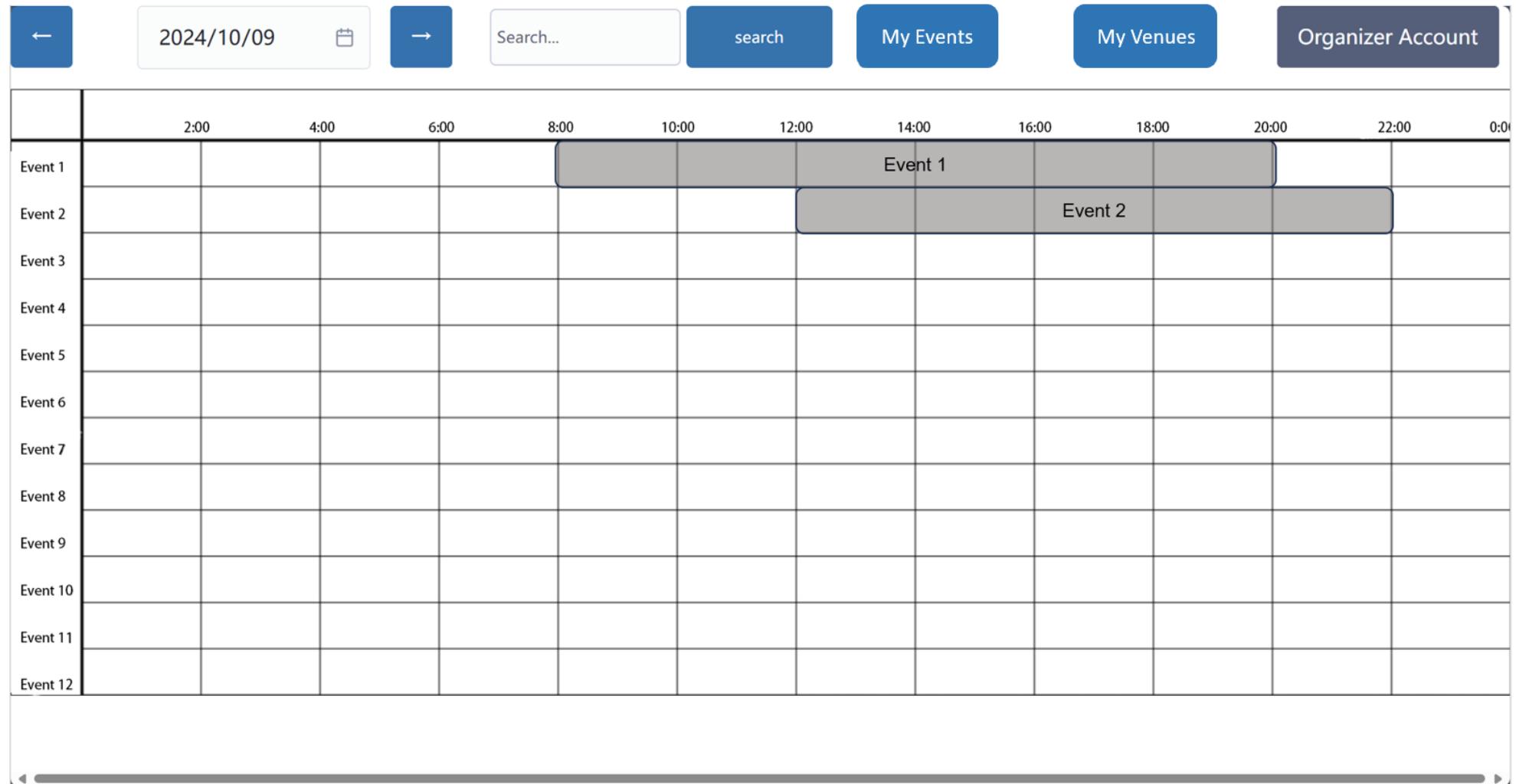
**Event 4** 10/02/2024 101 Elm St 120 people reserved

**Edit**

## Organizer

There the pages that the user must be on at the start to complete the use case.

# Main Page



## View Account

### Organizer Account

Name

Address

Company Name

Email

Password

Phone Number

#### Past Events

**Event 1** 01/10/2023 123 Main St 100 people reserved

**Event 2** 15/09/2023 456 Broadway Ave 150 people reserved

#### Future Events

**Event 3** 03/01/2024 789 Market St 75 people reserved

**Event 4** 10/02/2024 101 Elm St 120 people reserved

**Edit**

## User

There are the pages that the user must be on at the start to complete the use case.



2024/10/09



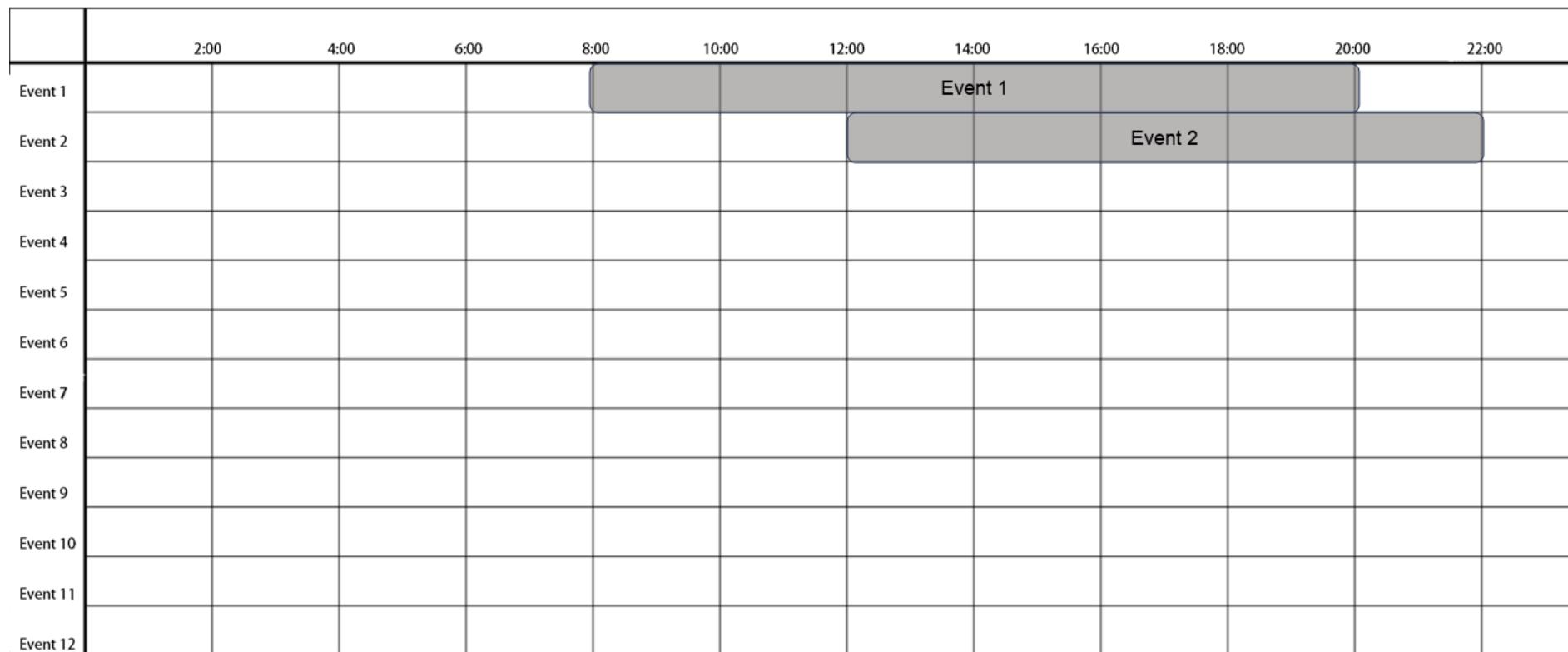
Search...

search

Upcoming

Ticket

Account



&lt;

Main Page

# User Account Info

**Name**

Ruixin

**Email**

3121423412@qq.com

**Password**

.....



[Cancel](#)

[Save](#)

## 10 Search Filter Events

### Basic Course of Events

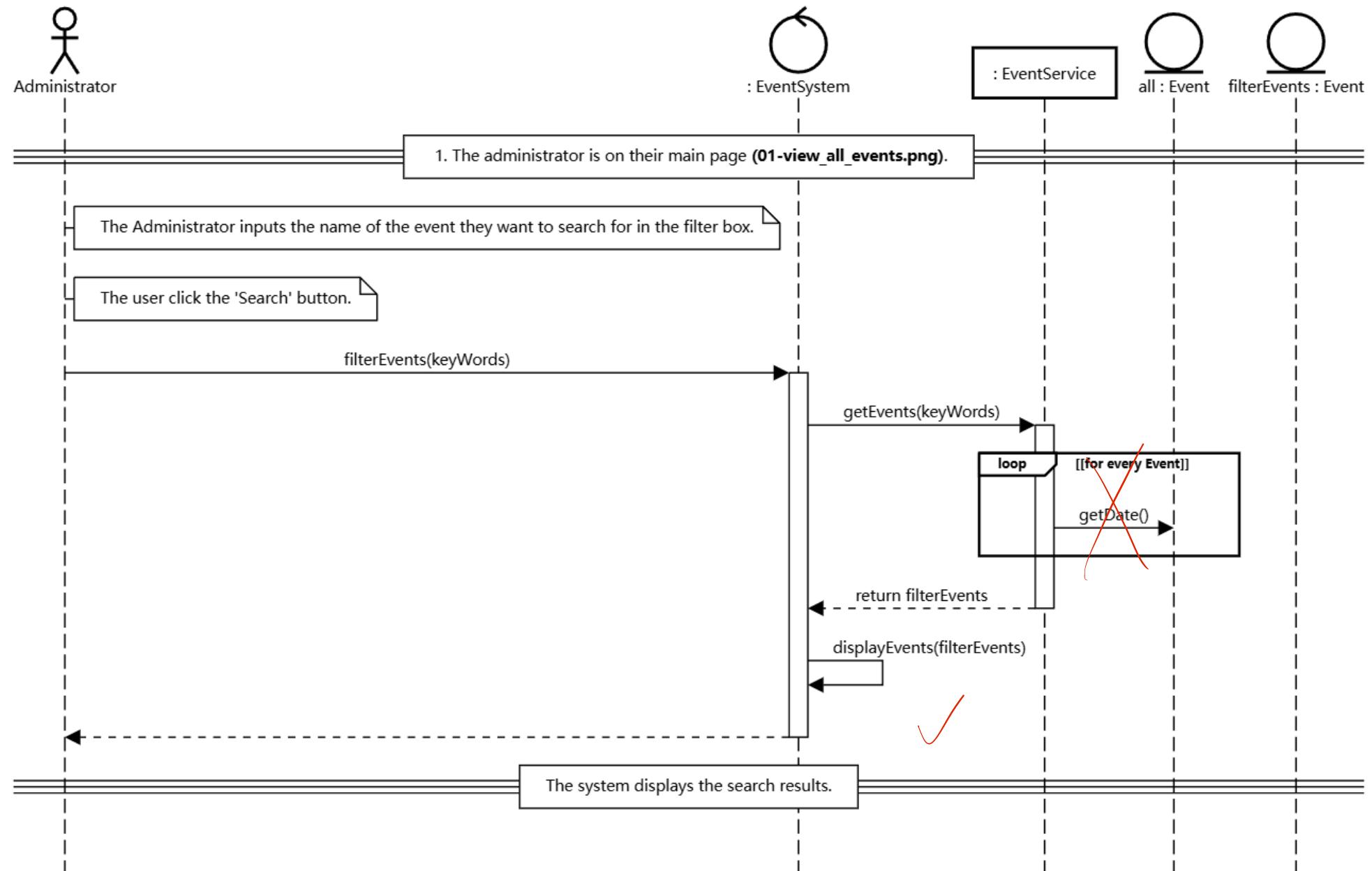
#### Course of Events

- The user/organizer/administrator inputs the name of the event they want to search for in the filter box.
- The user/organizer/administrator click the 'Search' button.
- The system displays the search results.

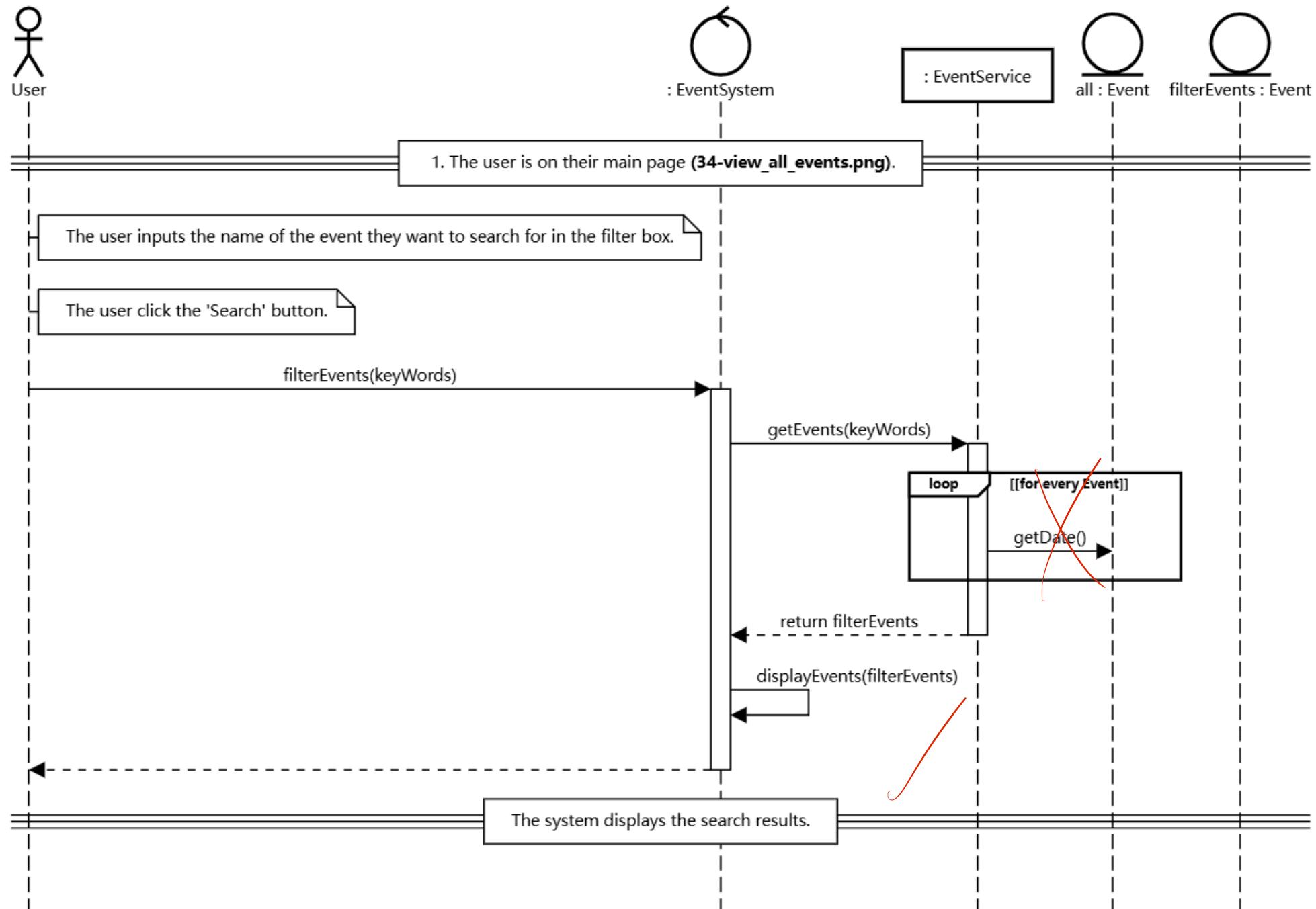
## Sequence Diagram

Administrator

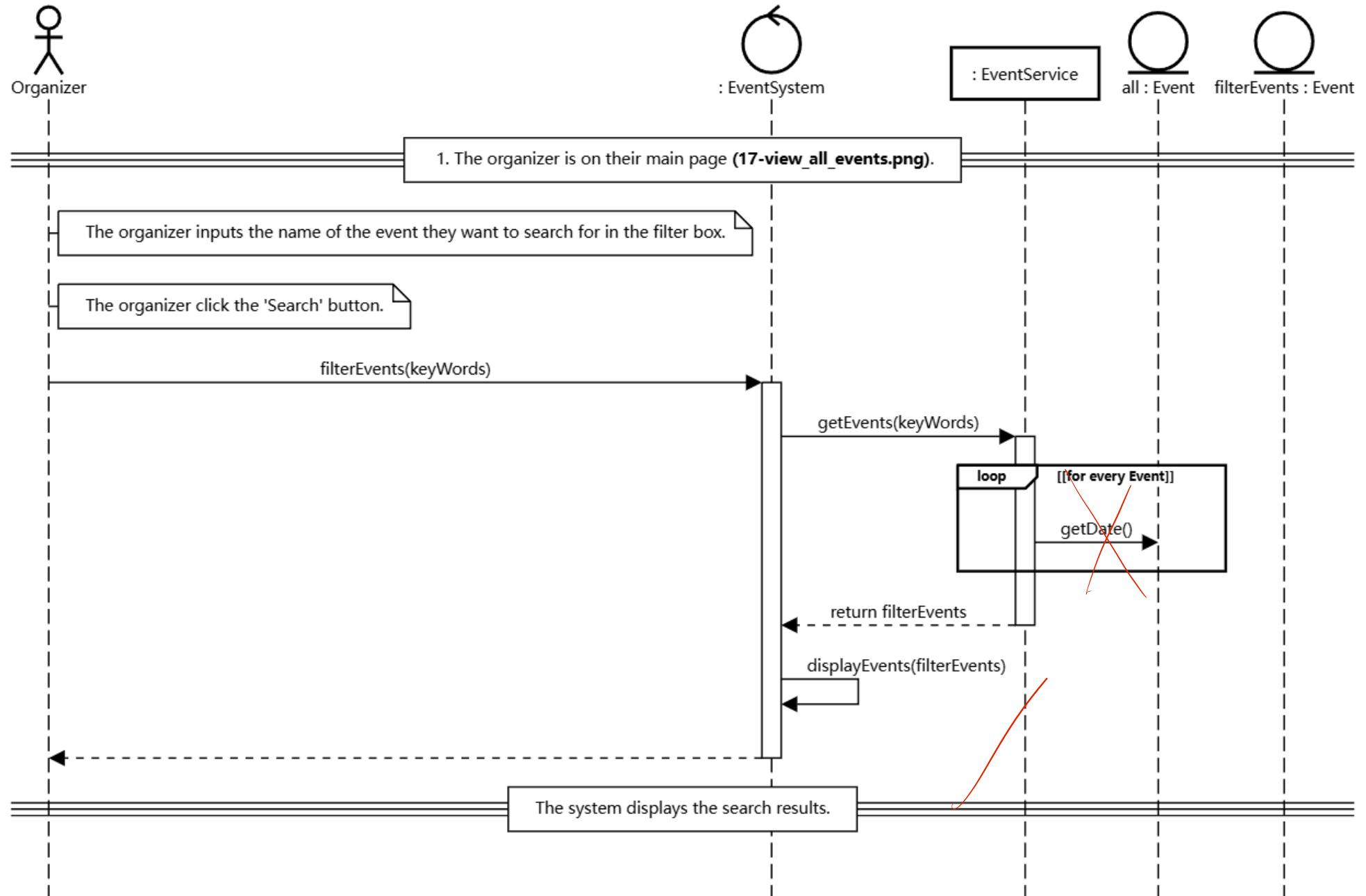
### Administrator Search Filter Events



## User Search Filter Events



## Organizer Search Filter Events



## **Alternate Course of Events**

### **No Matching Events**

- The user inputs the name of the event they want to search for in the filter box.
- The user click the 'Search' button.
- The system prompts that no event information that meets the criteria was found.

### **Sequence Diagram**

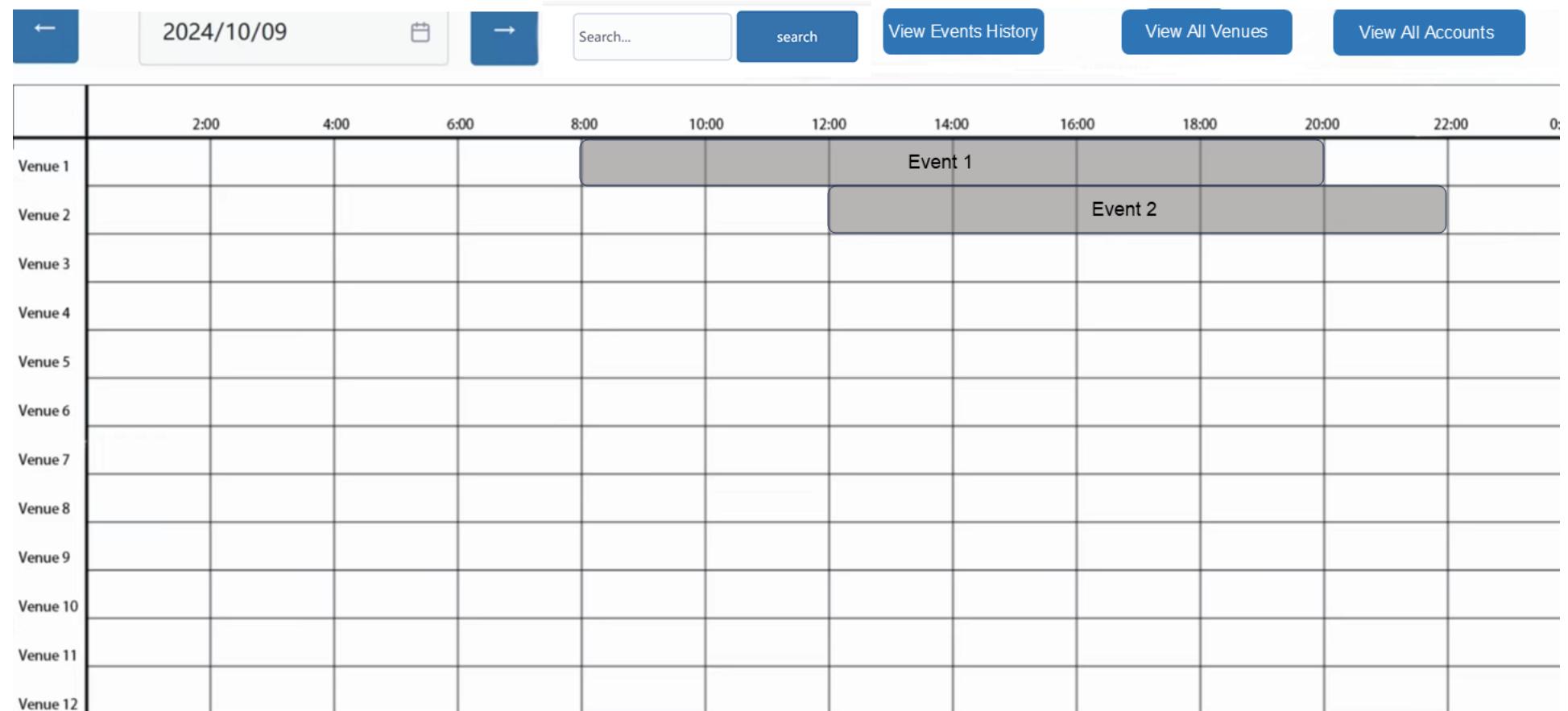
- This does not need a sequence diagram because it will be shown in front end.

## **UI Sketches**

### **Administrator**

This is the page that the user must be on at the start to complete the use case.

## Main Page



## Search

A search bar with a placeholder 'Search...' and a blue 'search' button.

## Search Concerts

Rock Blast Tour

Concerts found for keyword: **Rock Blast Tour**

<b>Rock Blast Tour - New York</b>	<i>March 15, 2024</i>
<b>Rock Blast Tour - Los Angeles</b>	<i>April 20, 2024</i>
<b>Summer Rock Festival</b>	<i>June 10, 2024</i>
<b>Ultimate Rock Night</b>	<i>July 25, 2024</i>
<b>Rock Legends Reunion</b>	<i>September 5, 2024</i>

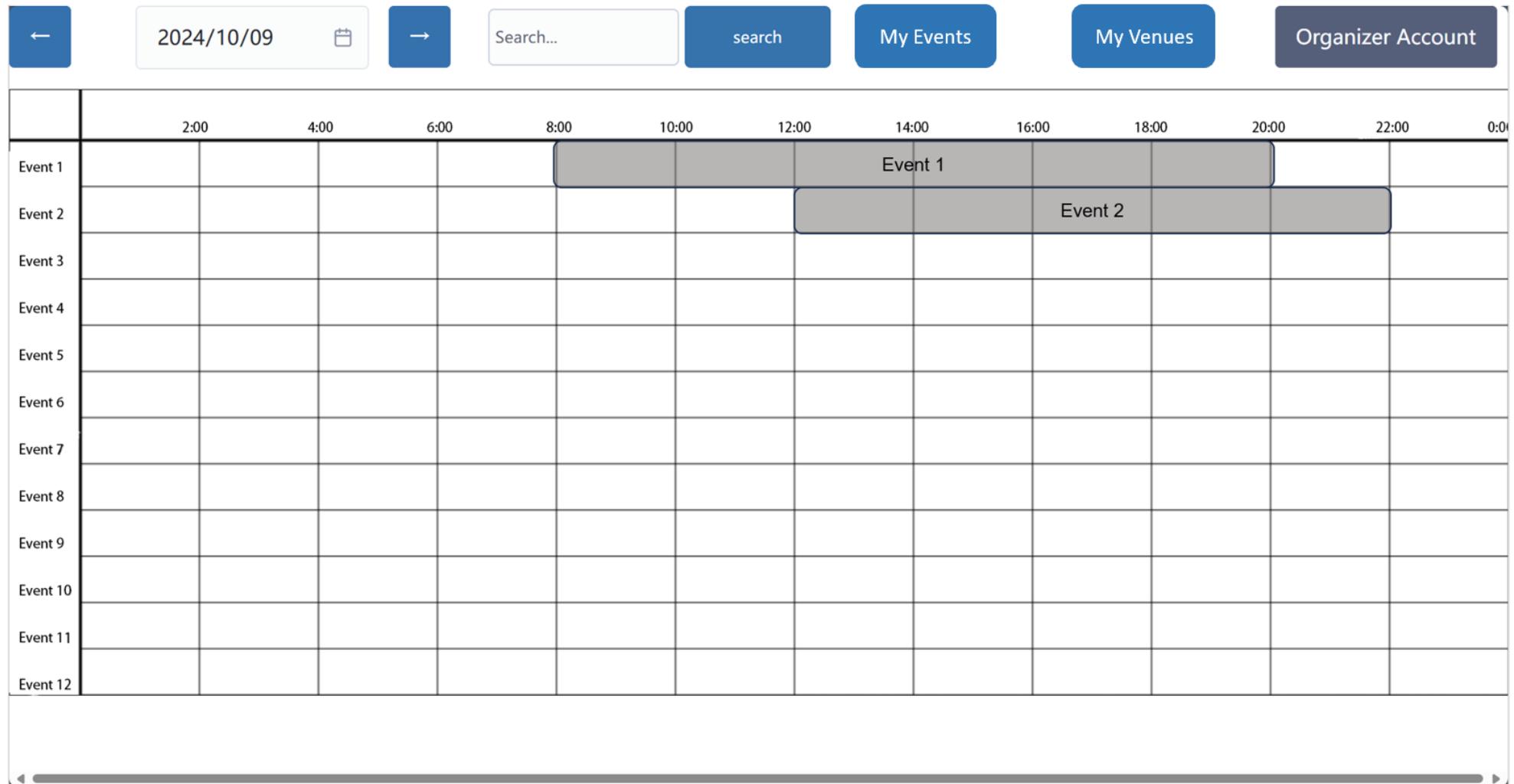
[Back](#)

[Back to Main](#)

## Organizer

There the pages that the user must be on at the start to complete the use case.

## Main Page



## Search

The search interface consists of a search input field containing "Search..." and a blue "search" button.

## Search Concerts

Concerts found for keyword: **Rock Blast Tour**

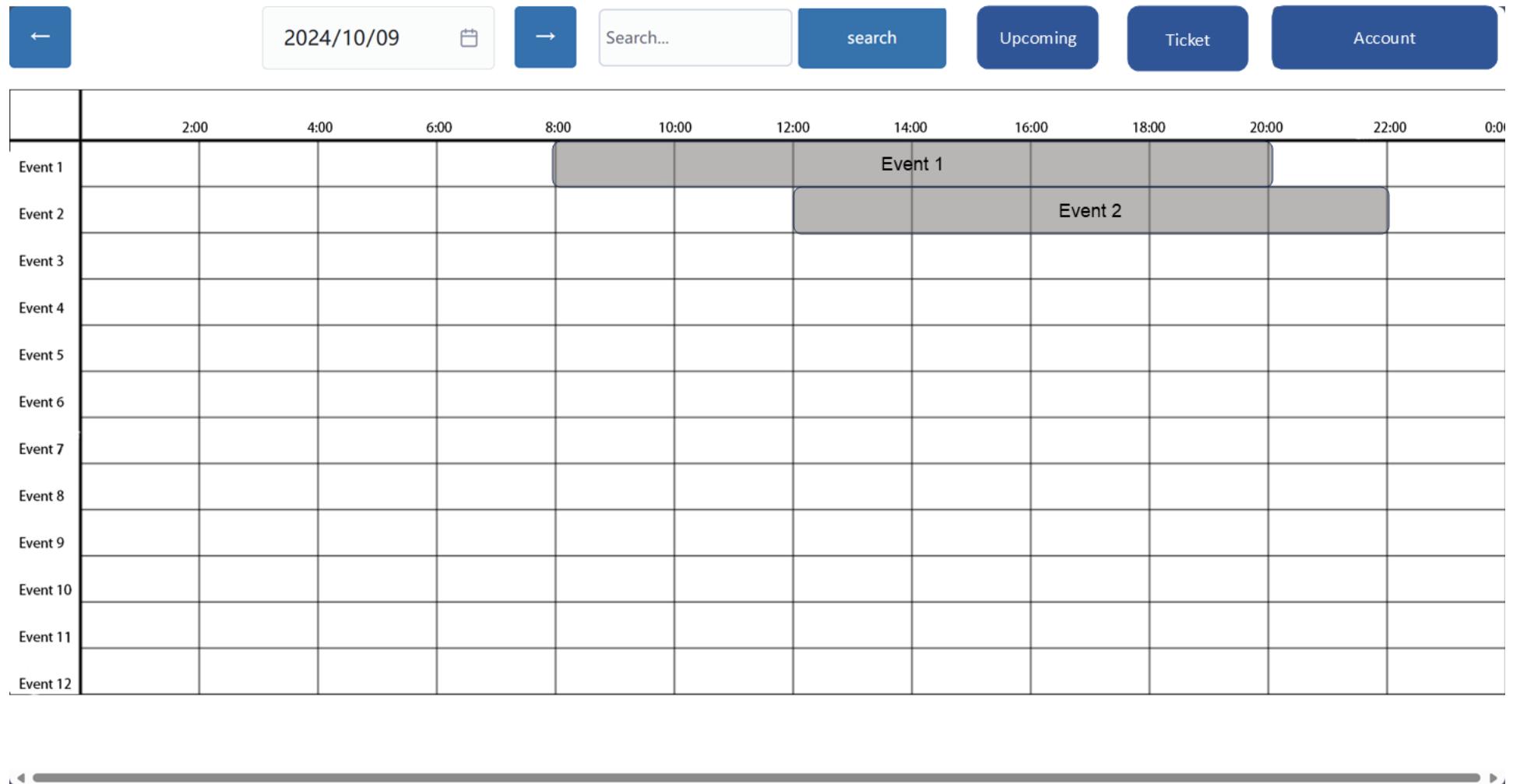
<b>Rock Blast Tour - New York</b>	<i>March 15, 2024</i>
<b>Rock Blast Tour - Los Angeles</b>	<i>April 20, 2024</i>
<b>Summer Rock Festival</b>	<i>June 10, 2024</i>
<b>Ultimate Rock Night</b>	<i>July 25, 2024</i>
<b>Rock Legends Reunion</b>	<i>September 5, 2024</i>

[Back](#) [Back to Main](#)

User

There the pages that the user must be on at the start to complete the use case.

## Main Page



## Search

The figure shows a search interface. It consists of a search input field containing "Search..." and a blue "search" button. The entire search component is enclosed in a light grey border.

## Search Concerts

Rock Blast Tour

Concerts found for keyword: **Rock Blast Tour**

<b>Rock Blast Tour - New York</b>	<i>March 15, 2024</i>
<b>Rock Blast Tour - Los Angeles</b>	<i>April 20, 2024</i>
<b>Summer Rock Festival</b>	<i>June 10, 2024</i>
<b>Ultimate Rock Night</b>	<i>July 25, 2024</i>
<b>Rock Legends Reunion</b>	<i>September 5, 2024</i>

[Back](#) [Back to Main](#)

Filename - 02-analysis/usecases/docs/11-display\_date.md

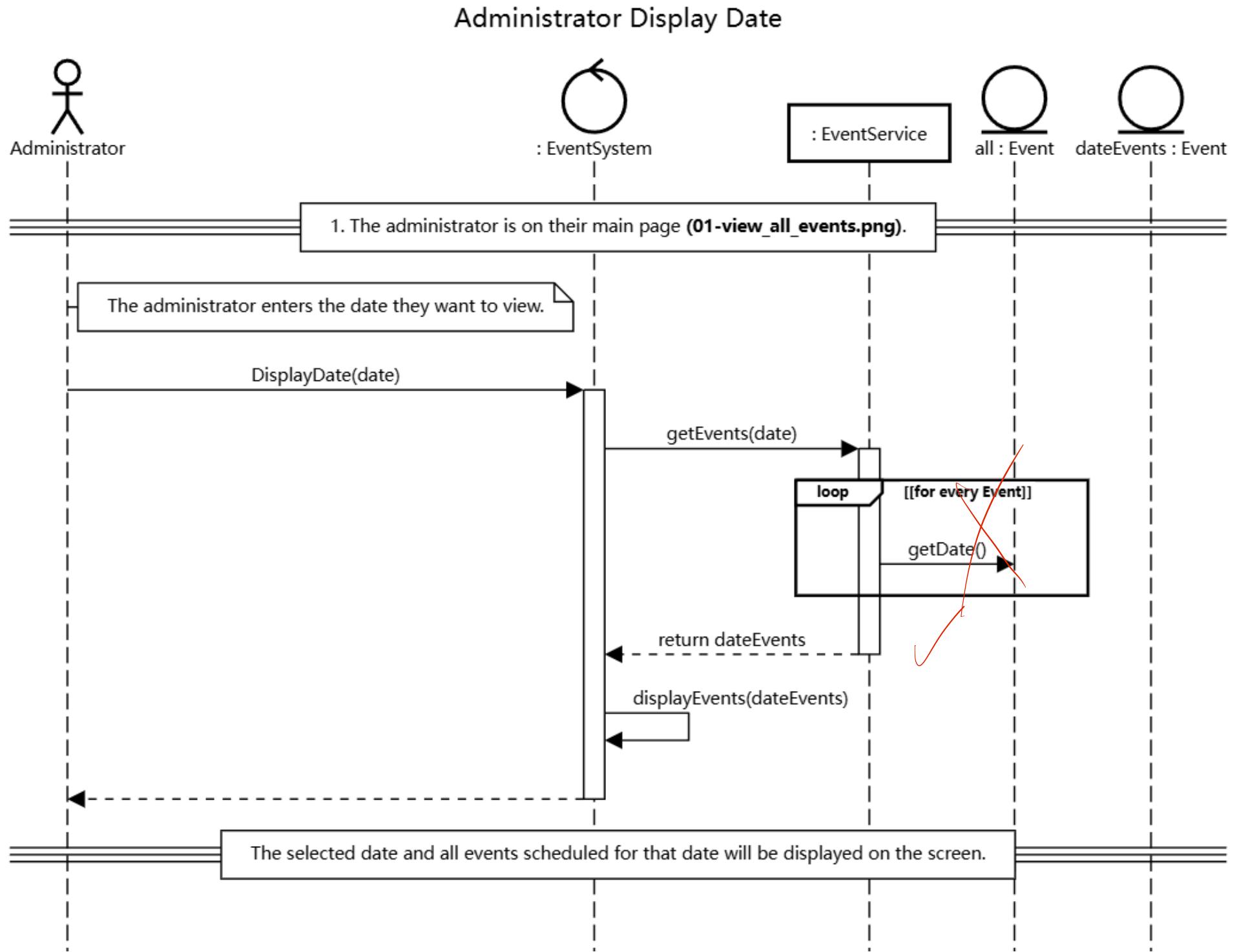
## 11 Display Date

### Basic Course of Events

#### Course of Events– Administrator

1. The administrator is on their main page(01-view\_all\_events.png).
2. The administrator enters the date they want to view.
3. The system displays the events scheduled for that date, including details such as event name, time, and venue.

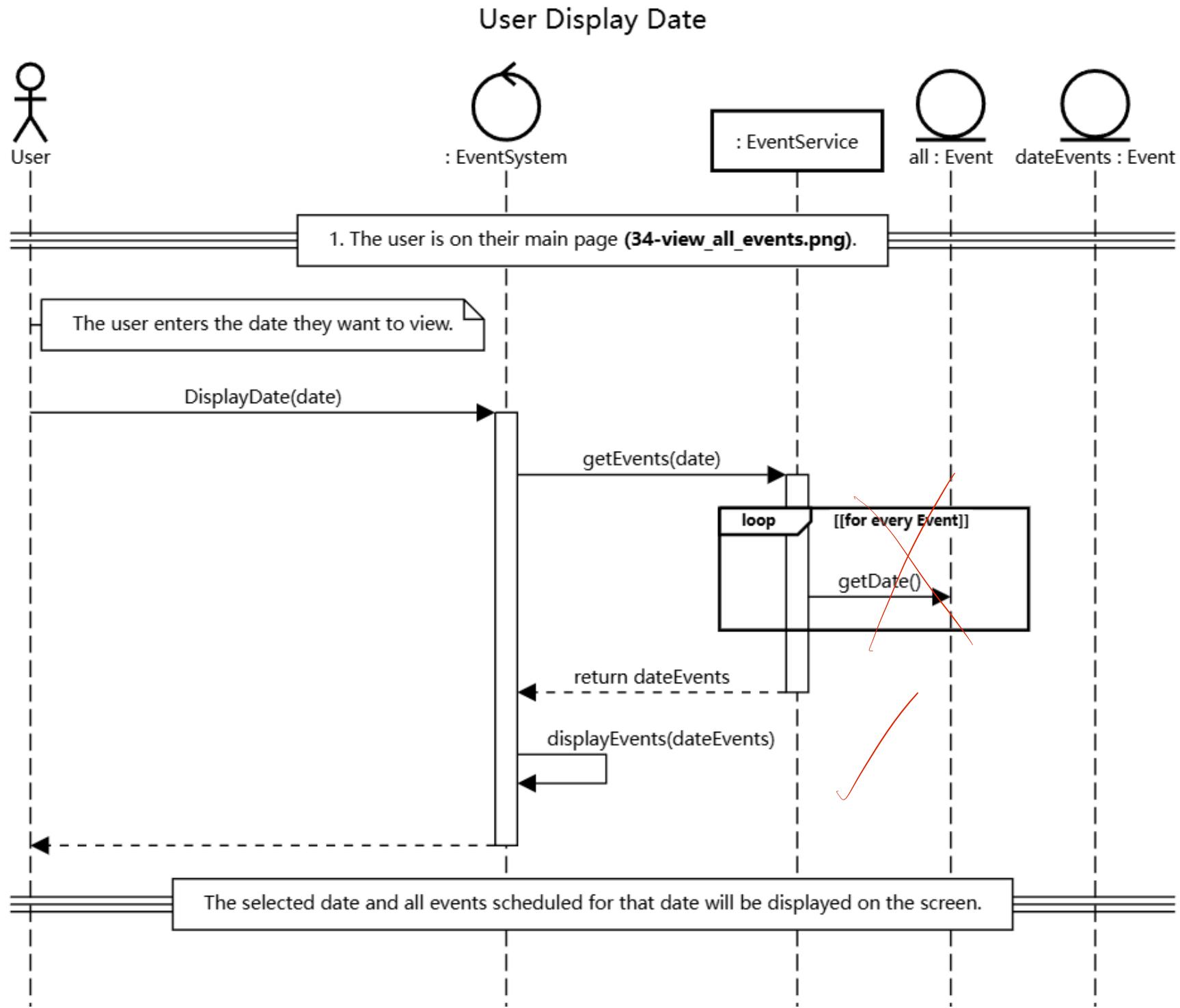
Sequence Diagram



#### **Course of Events– User**

1. The user is on their main page(34-view\_all\_events.png).
2. The user enters the date they want to view.
3. The system displays the events scheduled for that date, including details such as event name, time, and venue.

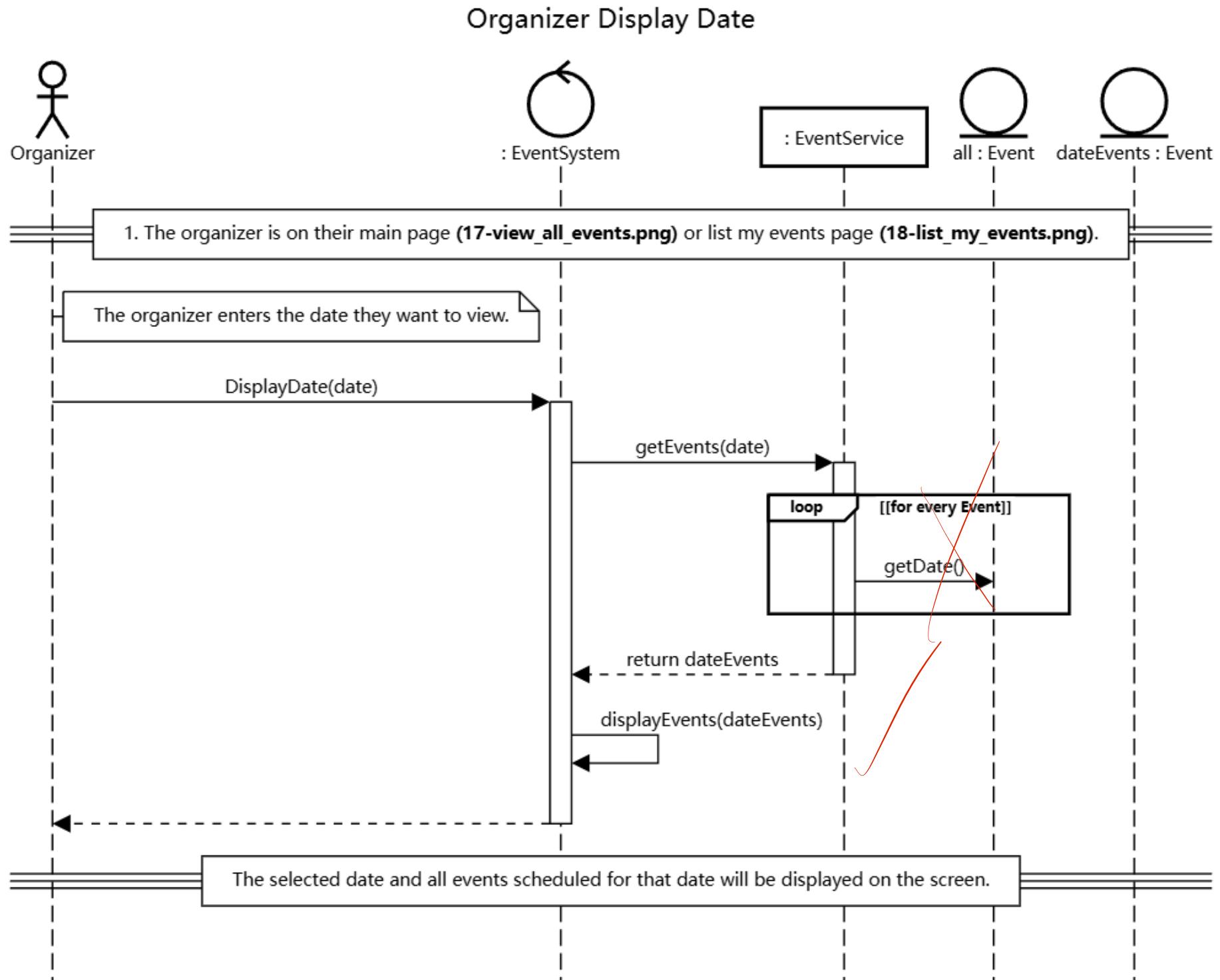
Sequence Diagram



### **Course of Events– Organizer**

1. The organizer is on their main page(17-view\_all\_events.png) or list my events page (18-list\_my\_events.png) .
2. The organizer enters the date they want to view.
3. The system displays the events scheduled for that date, including details such as event name, time, and venue.

Sequence Diagram

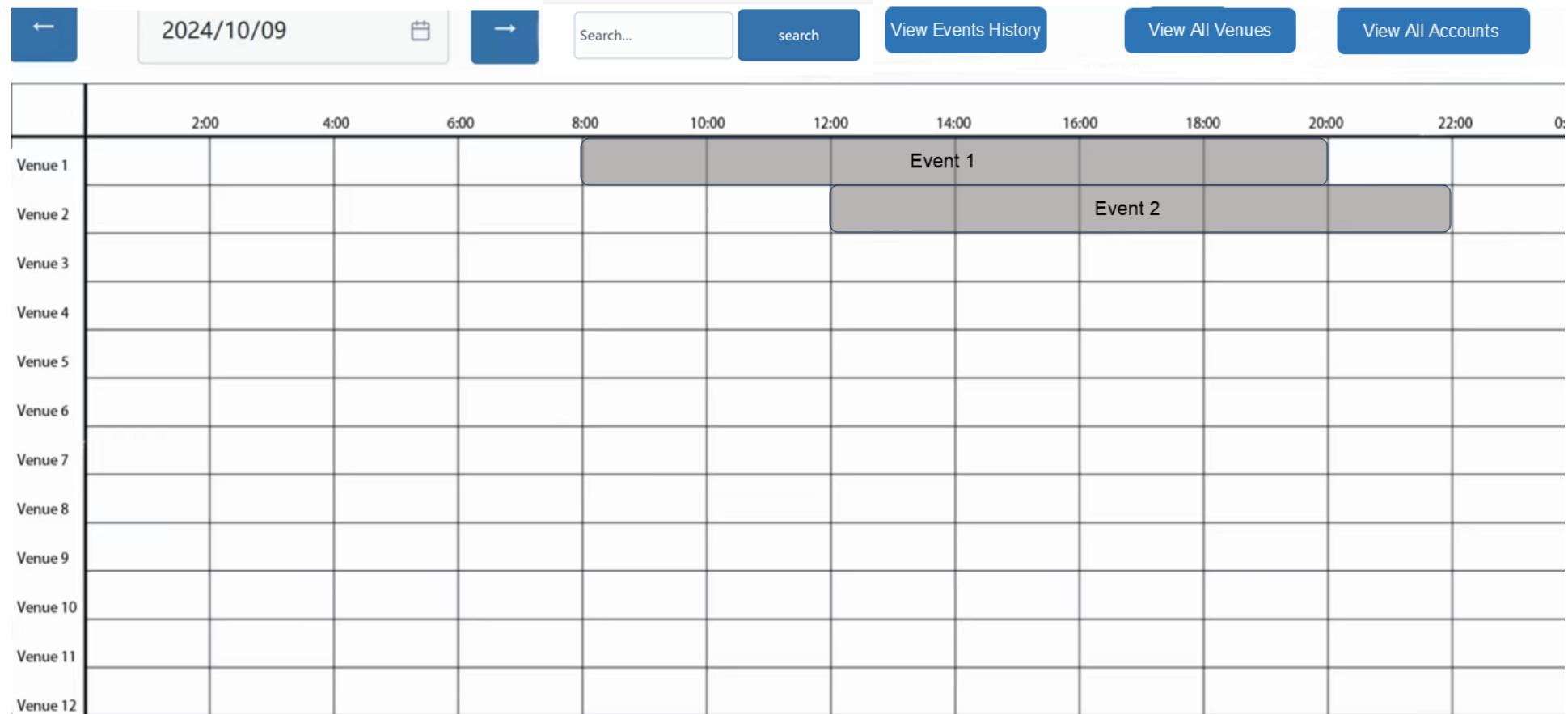


## UI Sketches

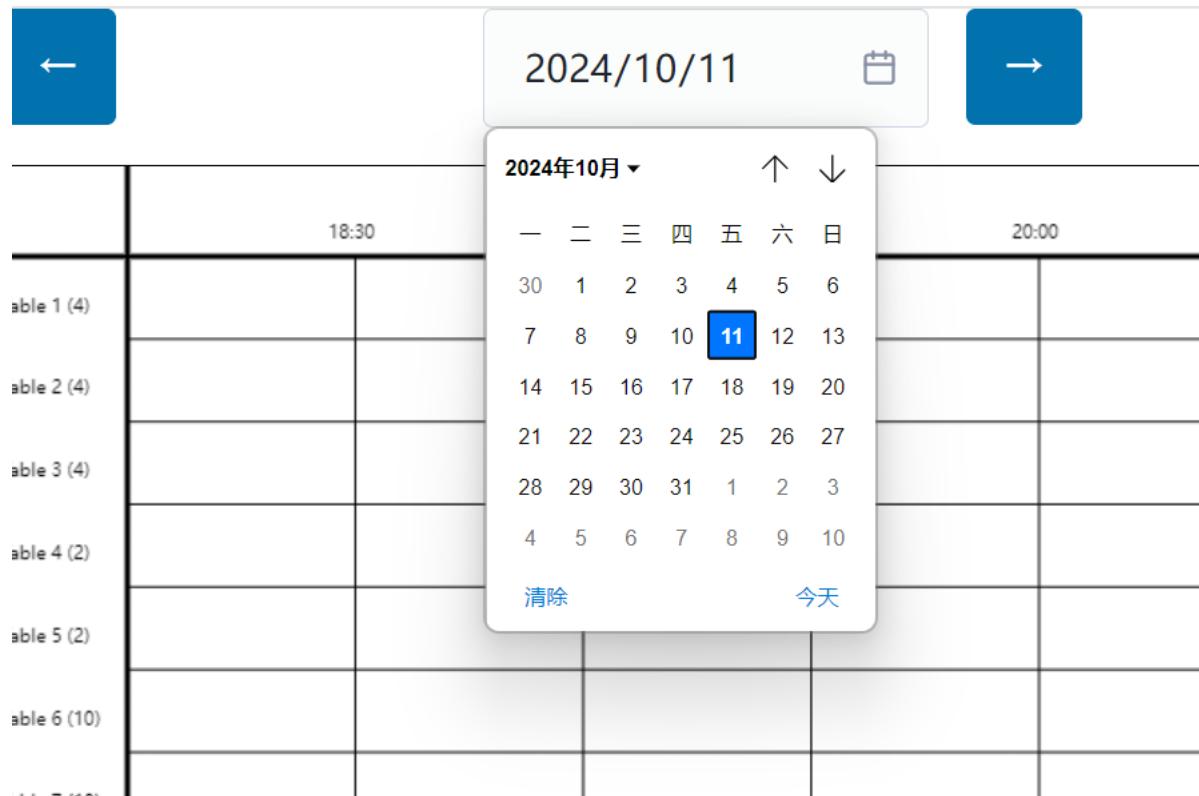
### Administrator

This is the page that the user must be on at the start to complete the use case.

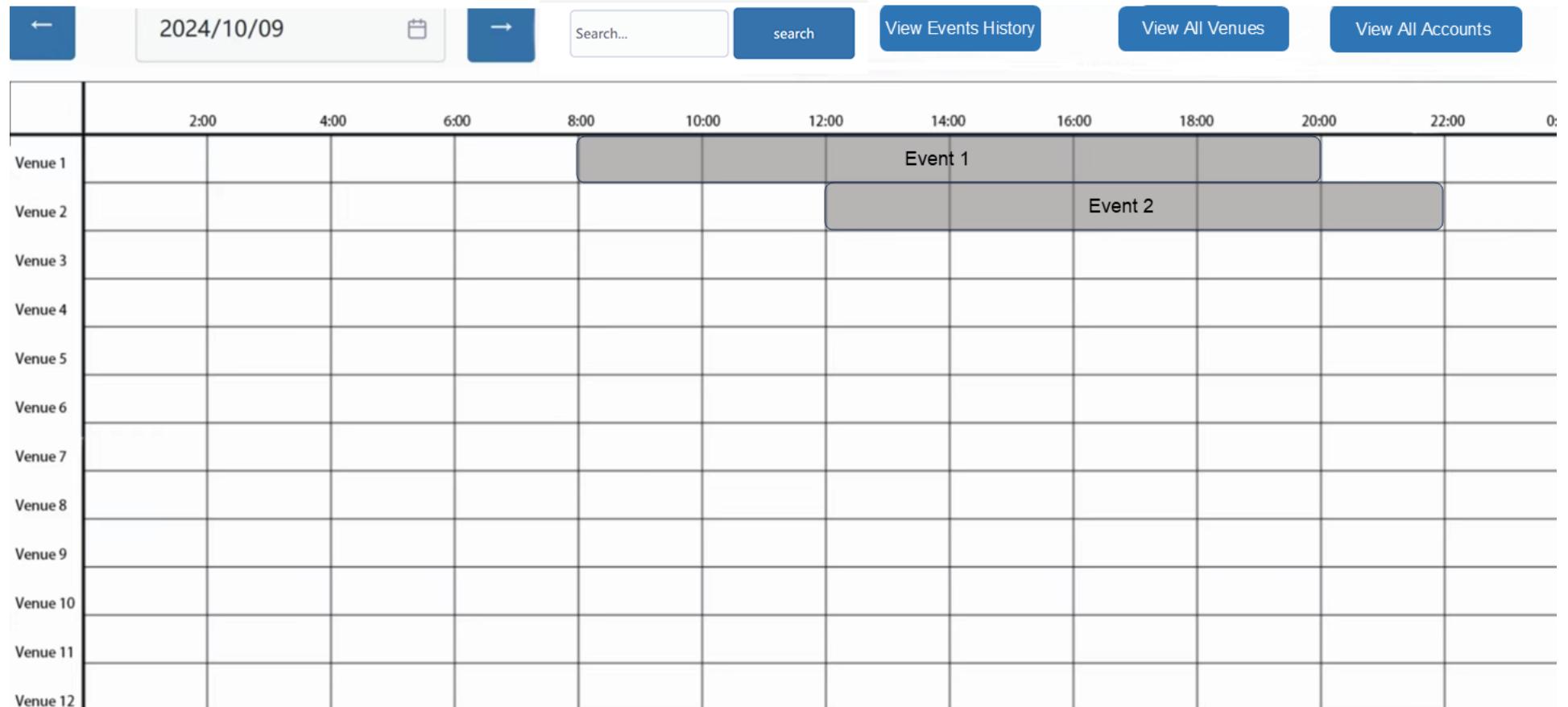
#### Main Page



### Select Date



## Selected Date Events

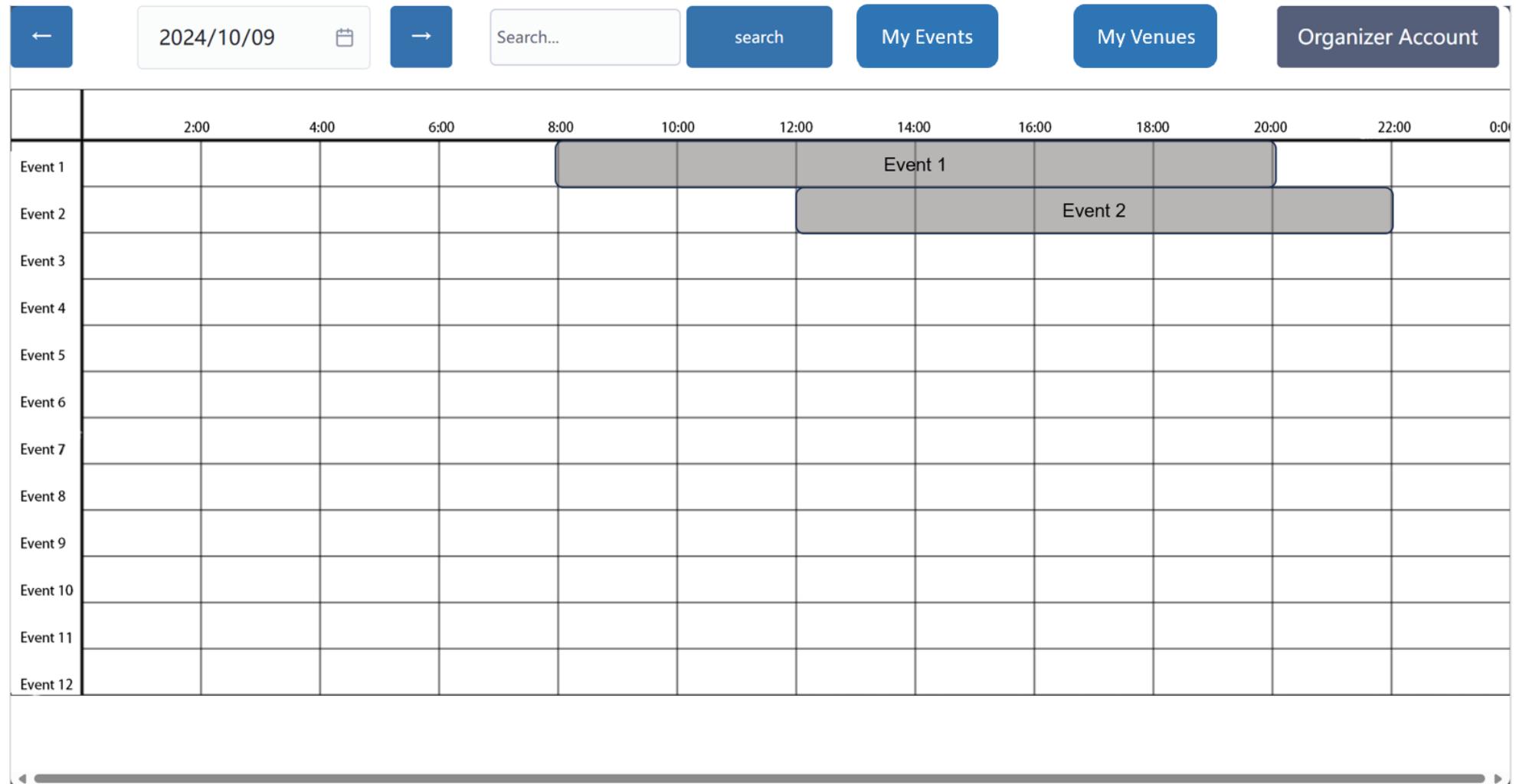


- **Tips:** The events table on the main page shows all the events for the day.

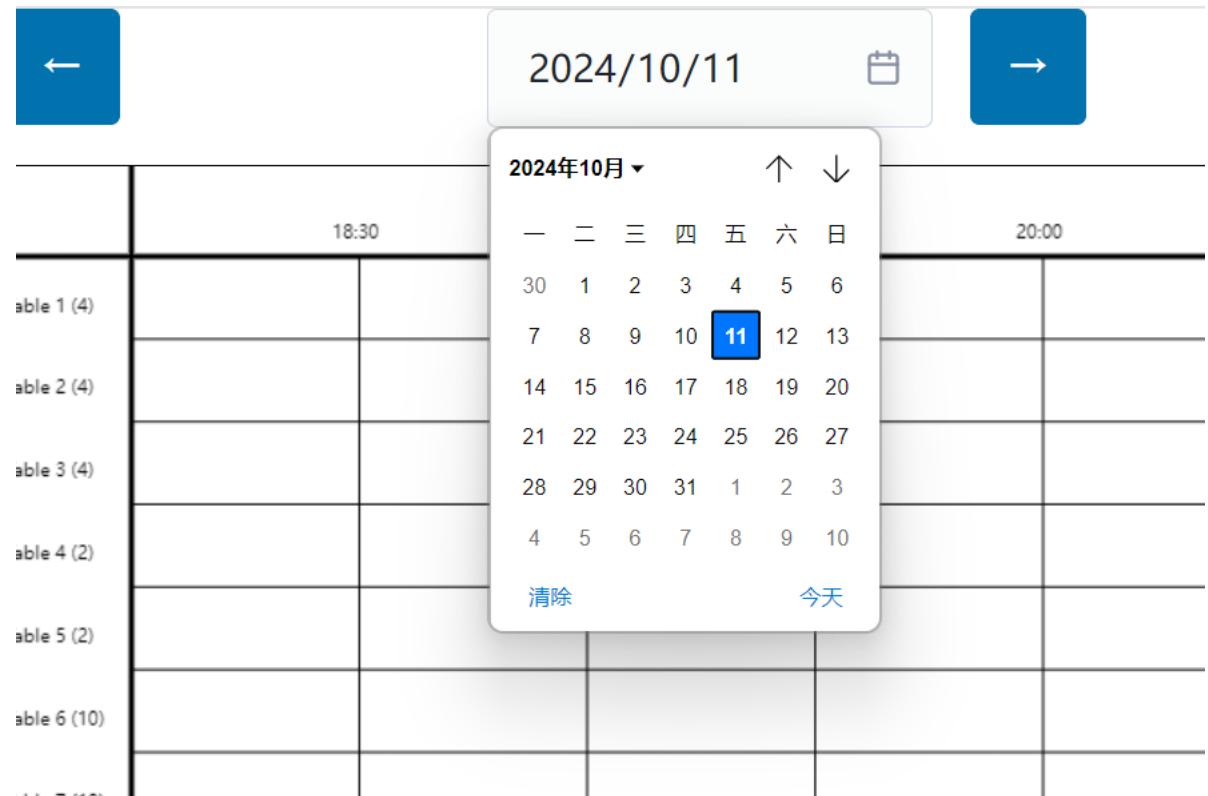
## Organizer

There are the pages that the user must be on at the start to complete the use case.

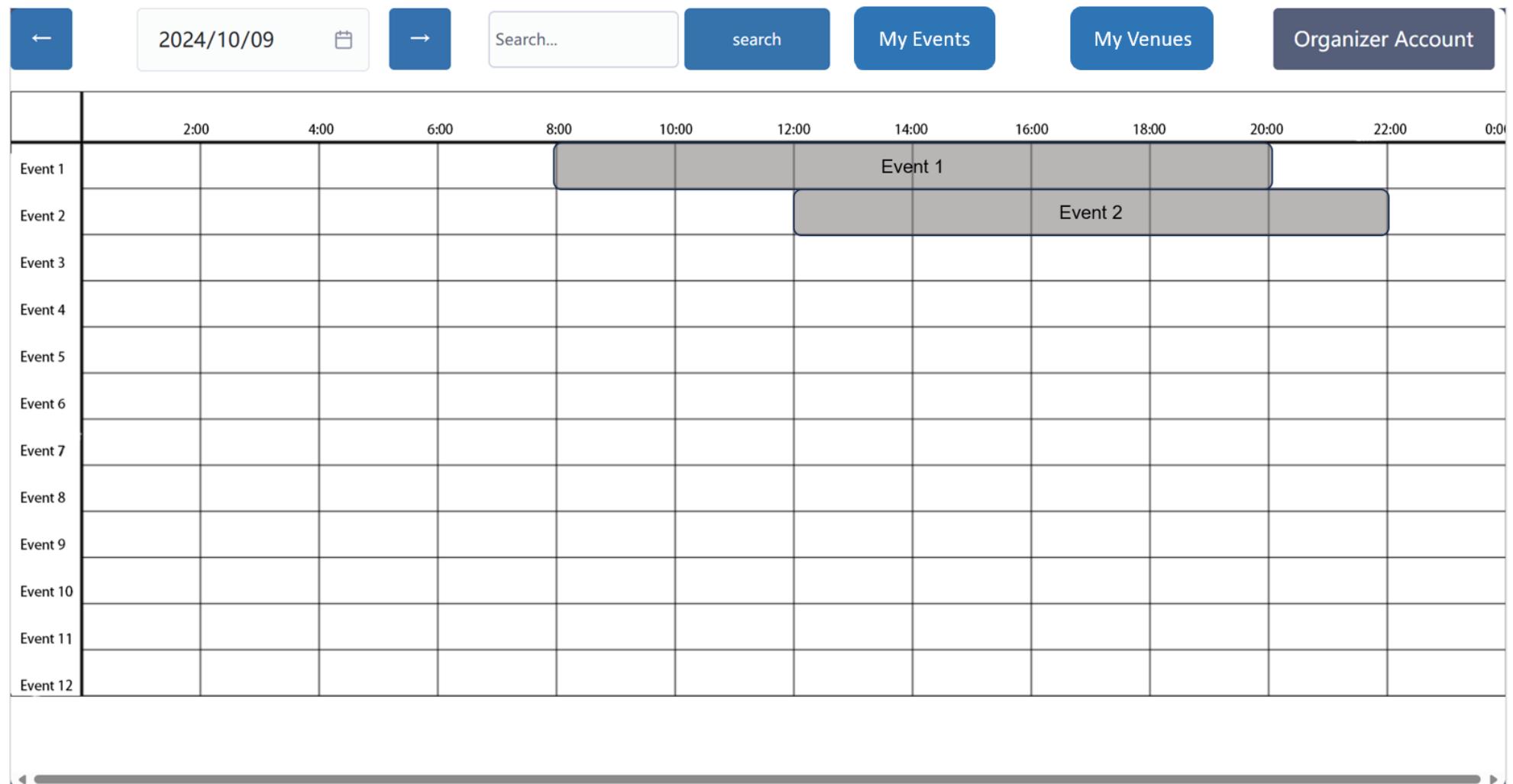
## Main Page



## Select Date



## Selected Date Events

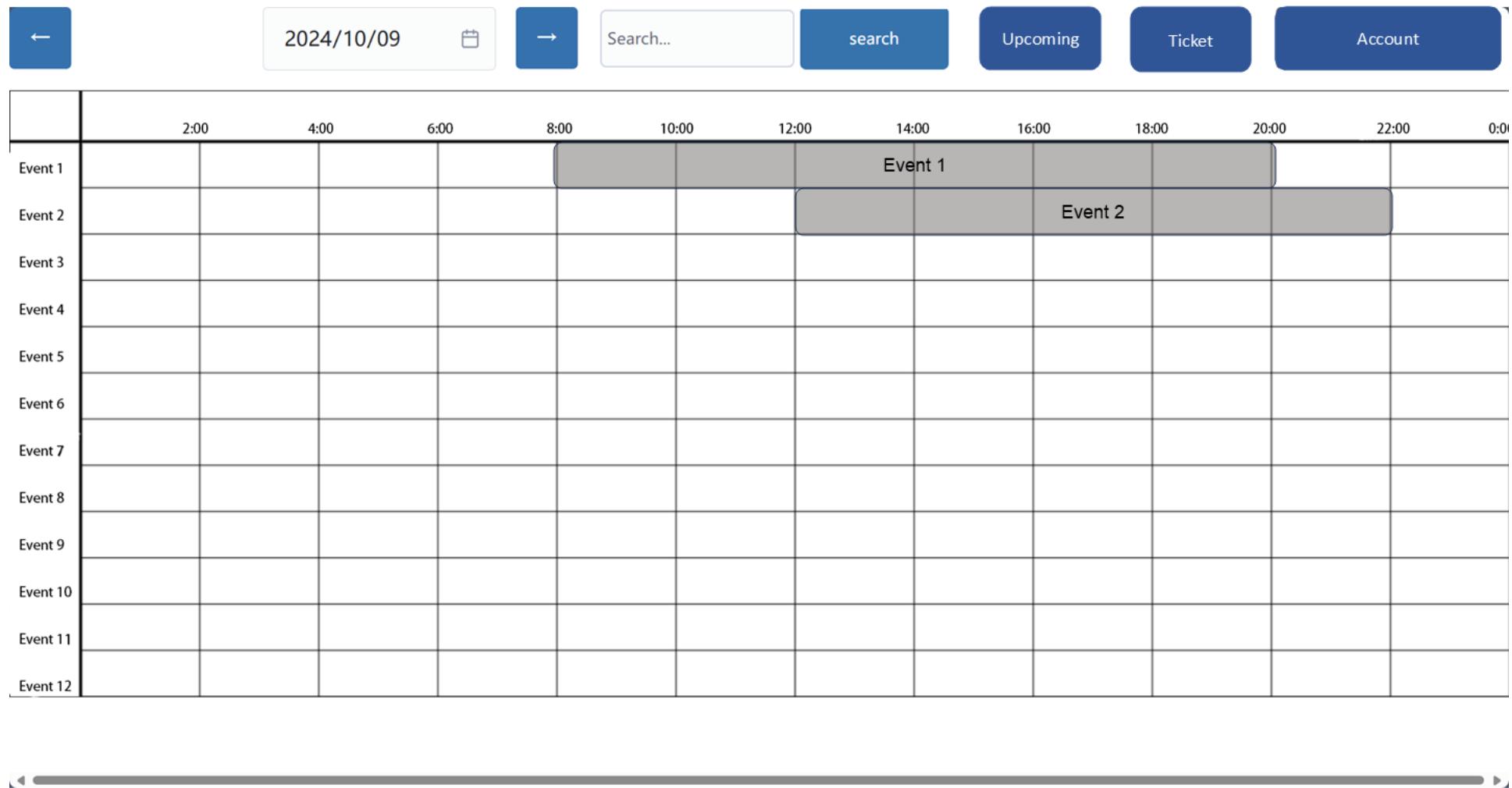


- **Tips:** The events table on the main page shows all the events for the day.

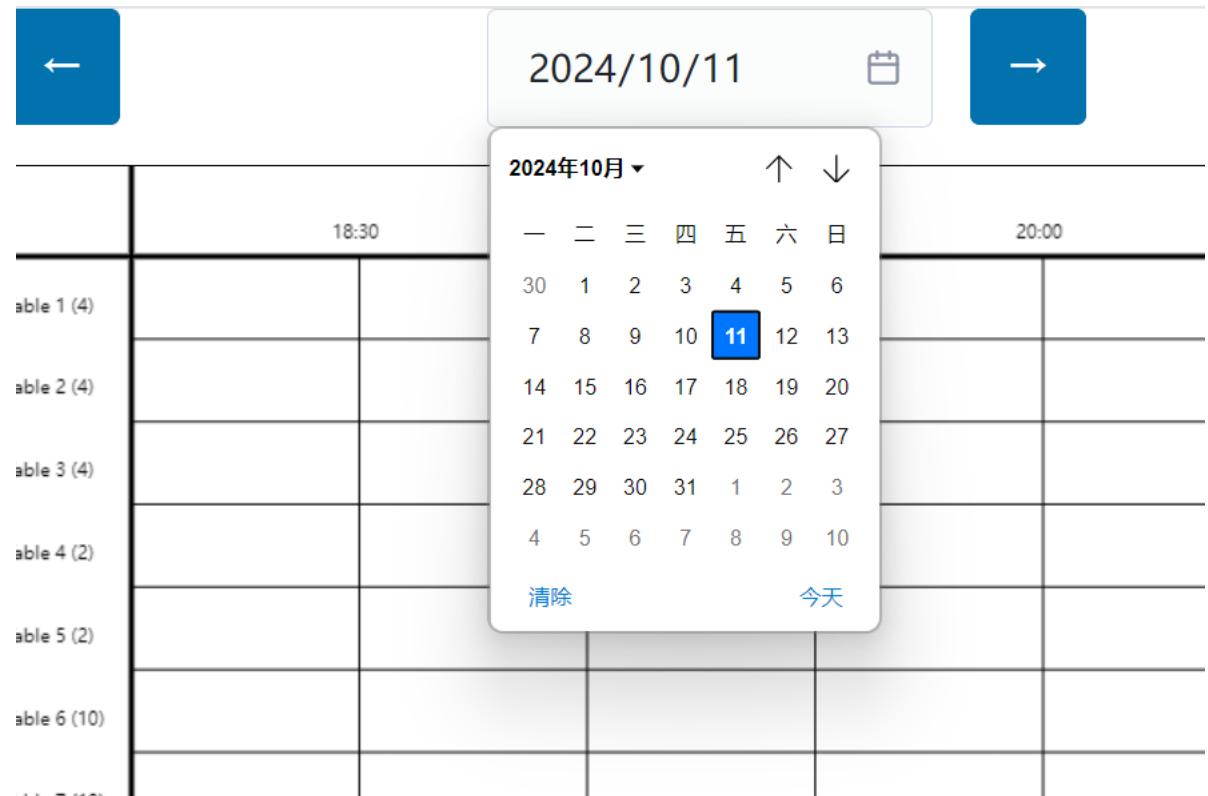
## User

There are the pages that the user must be on at the start to complete the use case.

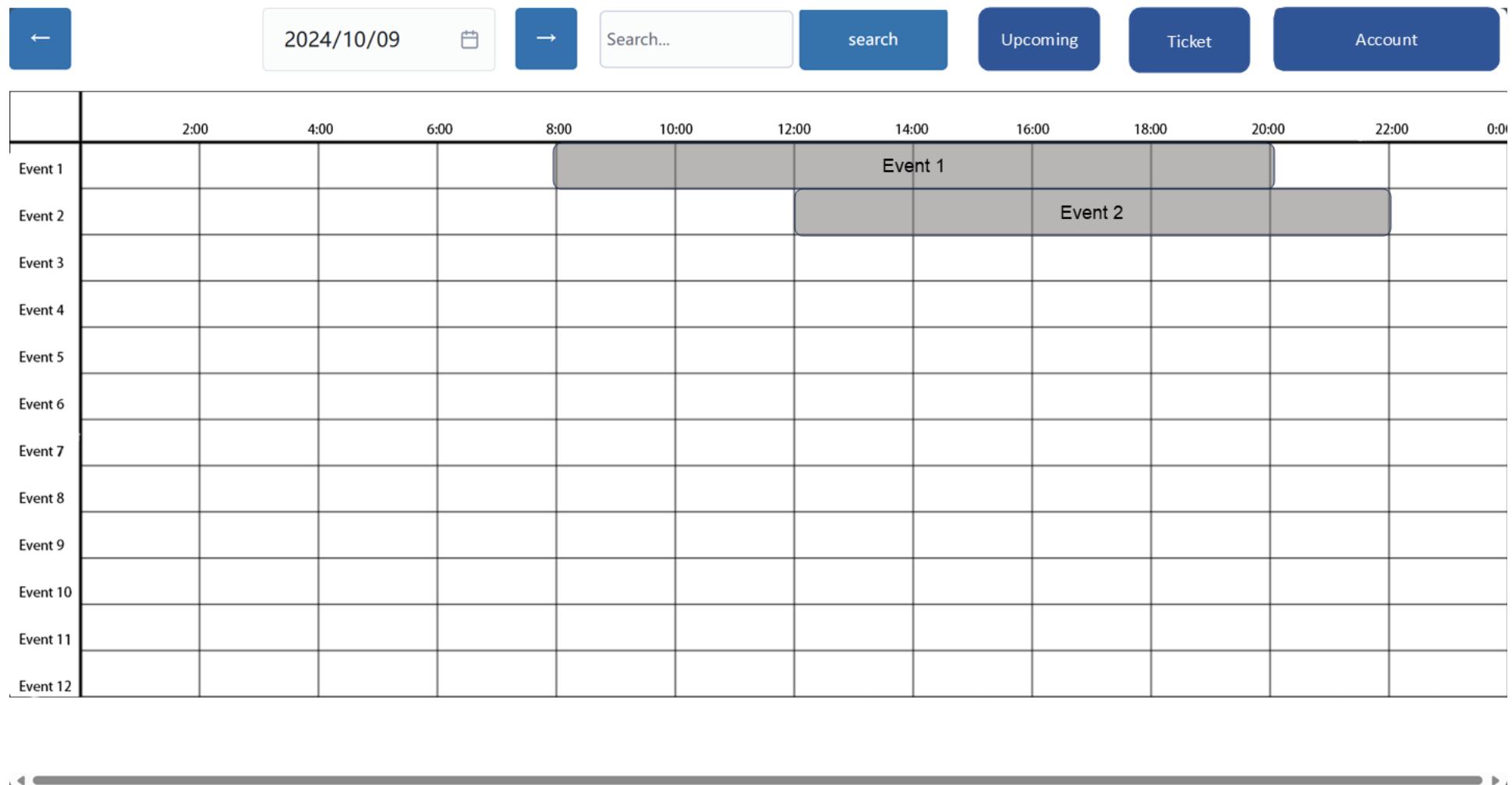
## Main Page



Select Date



## Selected Date Events



- Tips: The events table on the main page shows all the events for the day.

Filename - 02-analysis/usecases/docs/12-create\_account.md

## 01 Create Account

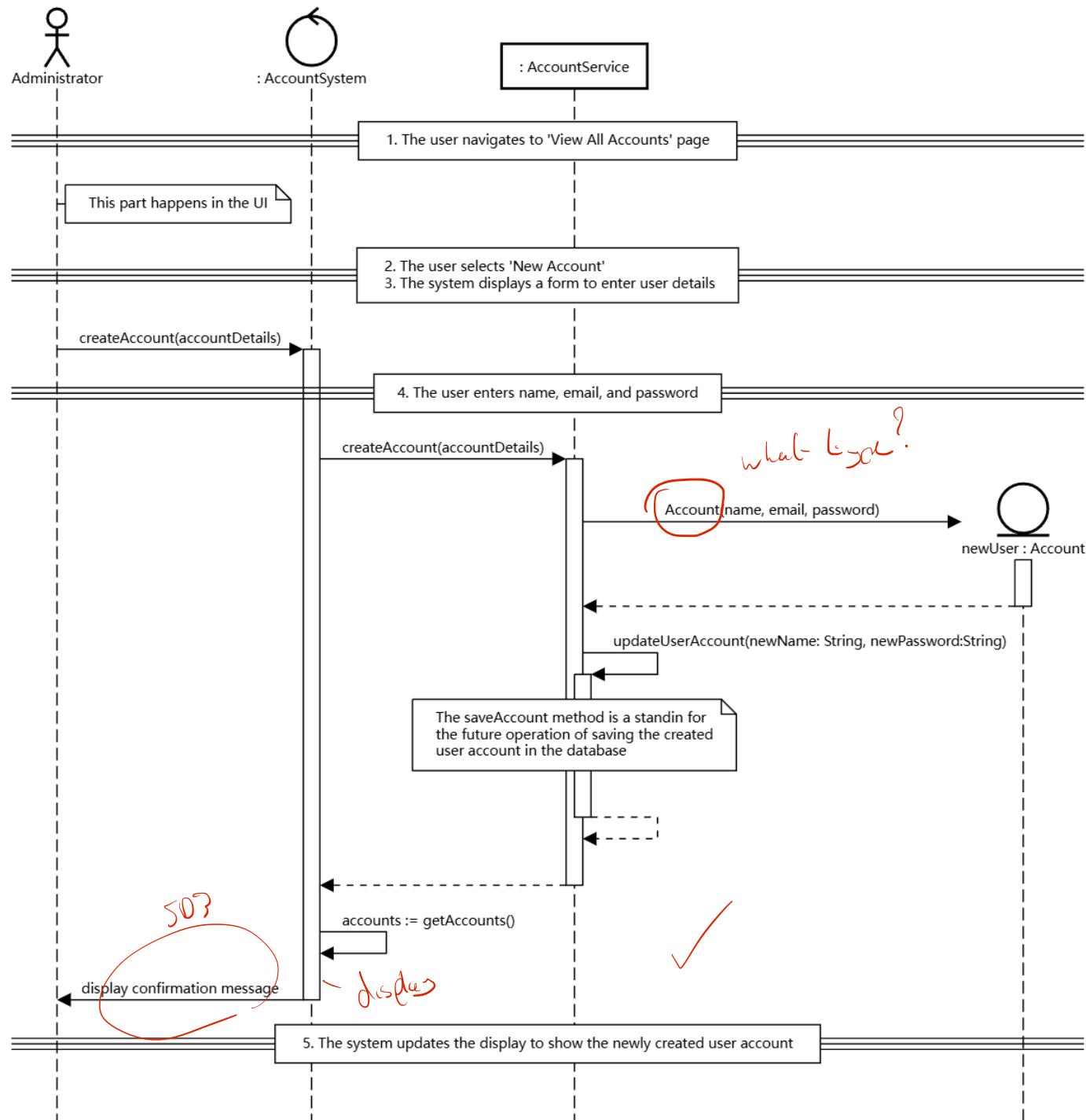
### Basic Course of Events– Creating User

- The administrator navigates to the 'View All Accounts' page, which displays all existing accounts in the system.
- The system displays a list of existing accounts.

- The administrator selects ‘New Account’.
- The administrator selects the type of account : User.
- The system presents a form for entering account information (Name, Email, Password).
- The administrator fills out the information.
- The system validates the change and updates this new user account.
- A confirmation message is shown to the administrator.

## Sequence Diagram

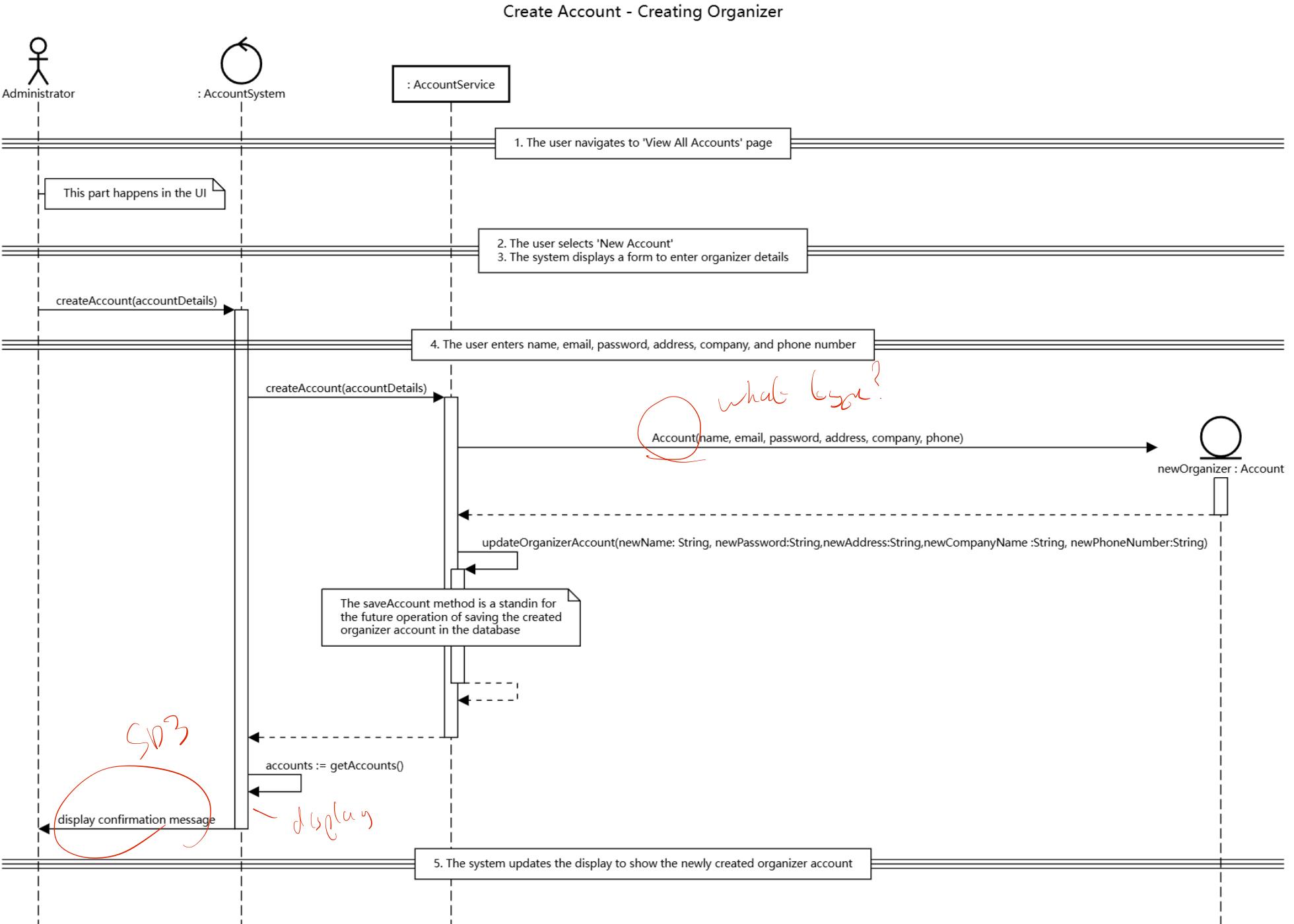
### Create Account - Creating User



## **Basic Course of Events— Creating Organizer**

- The administrator navigates to the ‘View All Accounts’ page, which displaying all existing accounts in the system.
- The system displays a list of existing accounts.
- The administrator selects ‘New Account’.
- The administrator selects the type of account : Organizer.
- The system presents a form for entering account information (Name, Email, Password, Address, Company Name, Phone Number).
- The administrator fills out the information.
- The system validates the change and updates this new organizer account.
- A confirmation message is shown to the administrator.

## Sequence Diagram

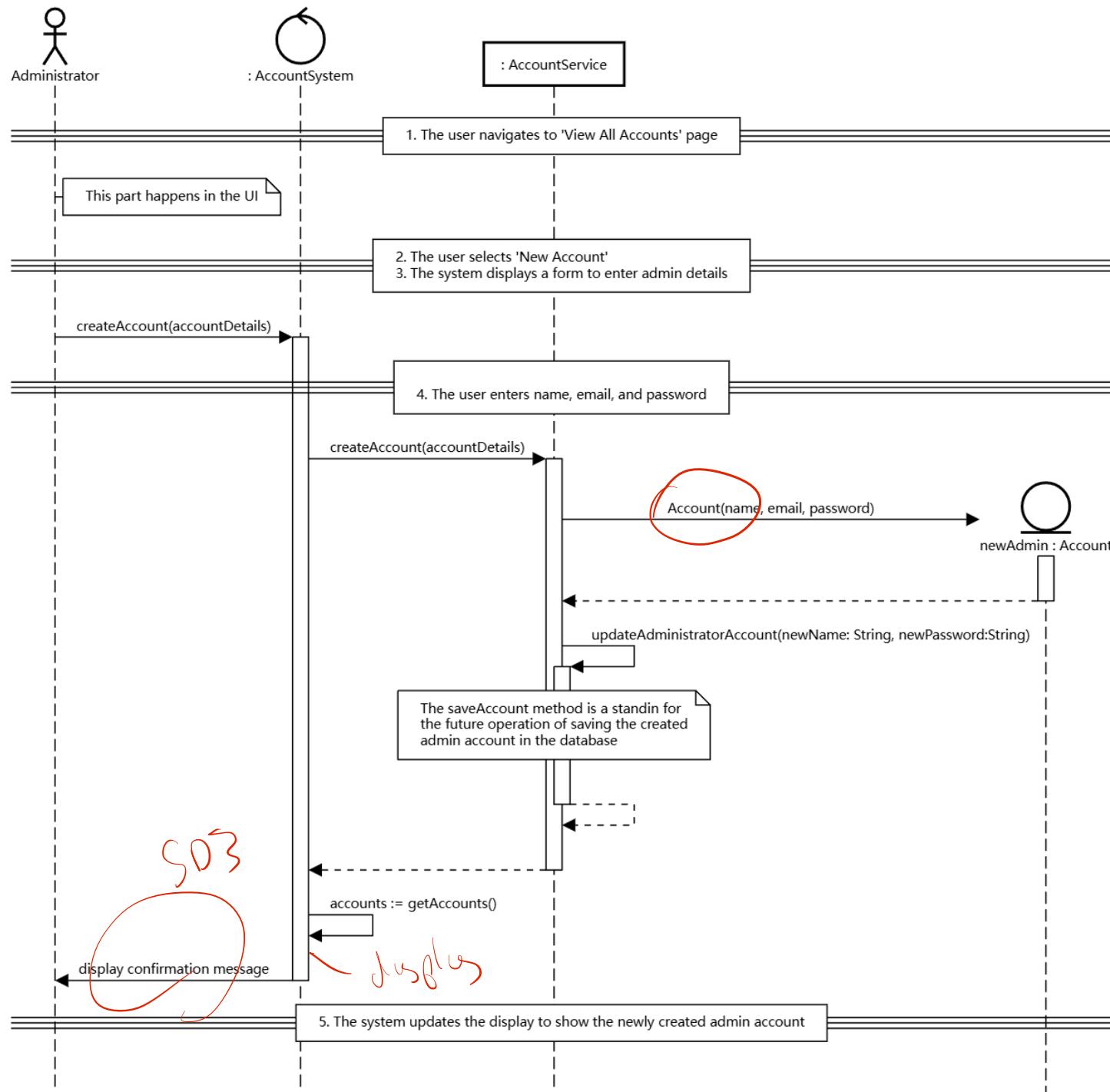


## **Basic Course of Events— Creating Administrator**

- The administrator navigates to the ‘View All Accounts’ page, which displaying all existing accounts in the system.
- The system displays a list of existing accounts.
- The administrator selects ‘New Account’.
- The administrator selects the type of account : Administrator.
- The system presents a form for entering account information (Name, Email, Password).
- The administrator fills out the information.
- The system validates the change and updates this new administrator account.
- A confirmation message is shown to the administrator.

## Sequence Diagram

### Create Account - Creating Administrator

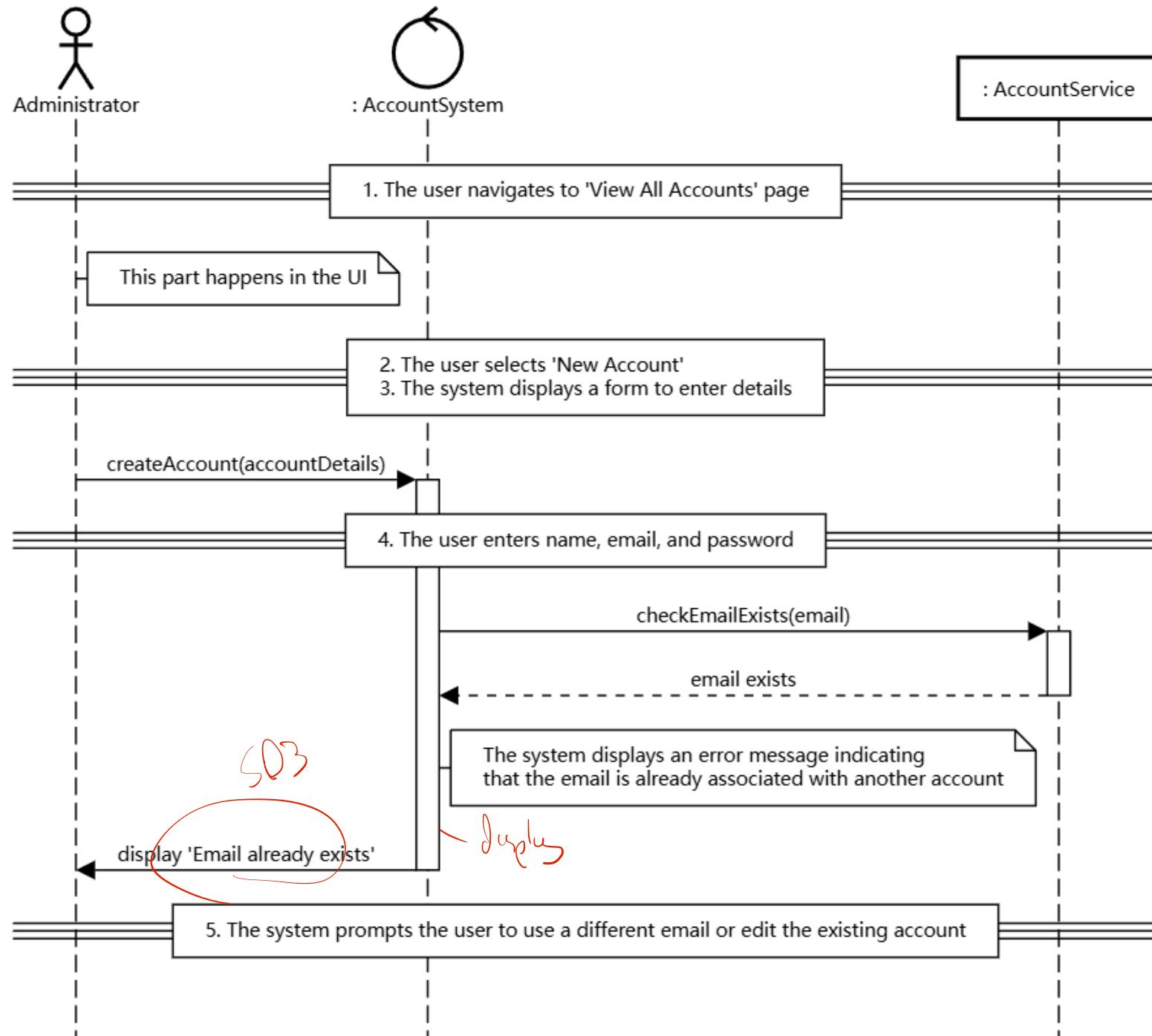


## **Alternate Course of Events– Duplicate Email Error**

- The administrator navigates to the ‘View All Accounts’ page, which displaying all existing accounts in the system.
- The system displays a list of existing accounts.
- The administrator selects ‘New Account’.
- The administrator selects the type of account : Administrator.
- The system presents a form for entering account information (Name, Email, Password).
- The administrator fills out the information.
- The administrator submits the form using an email that already exists in the system.
- The system displays an error message indicating that the email is already associated with another account.
- The system prompts the administrator to use a different email or to edit the existing account instead.

## Sequence Diagram

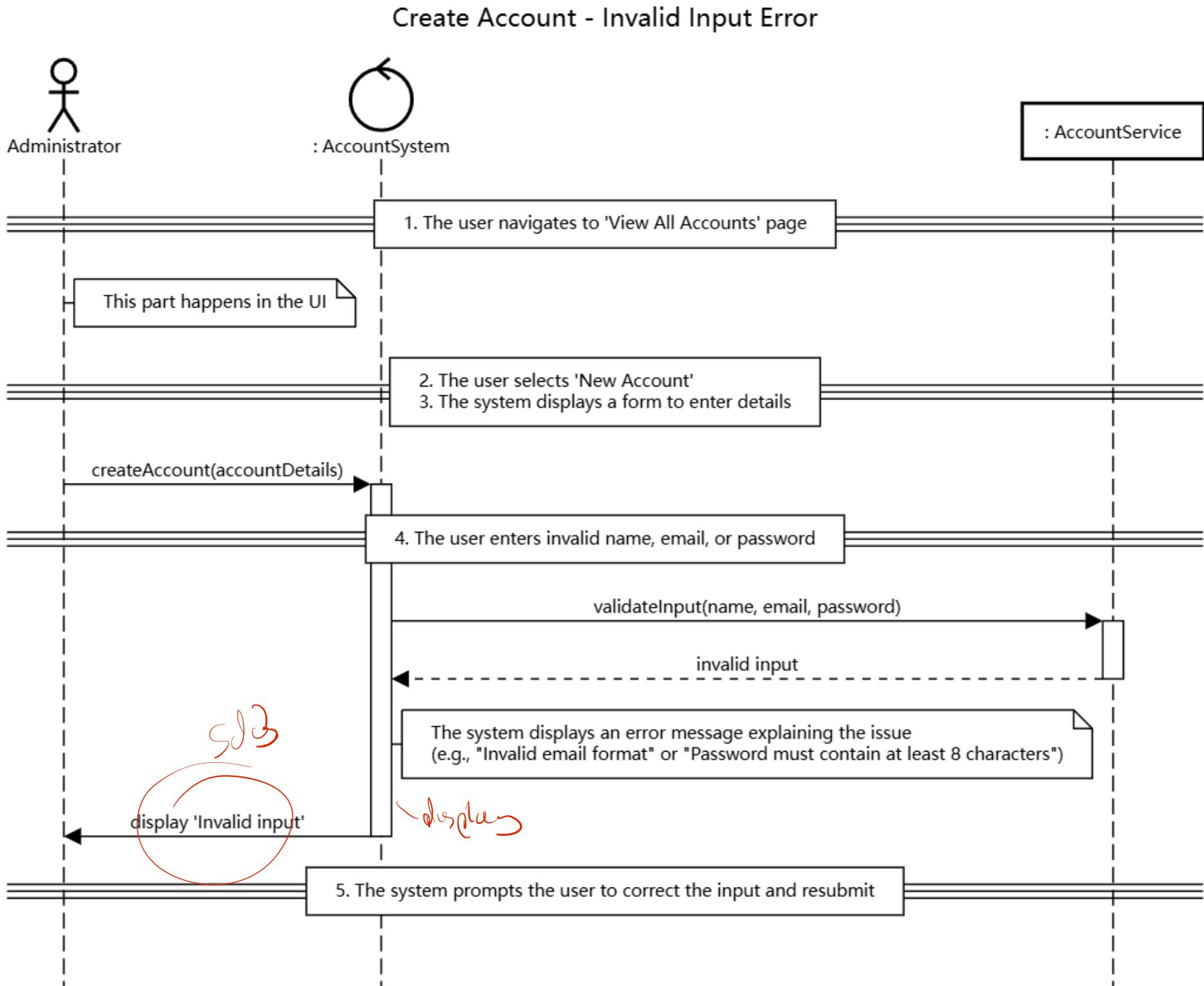
## Create Account - Duplicate Email Error



## **Alternate Course of Events– Invalid Input Error**

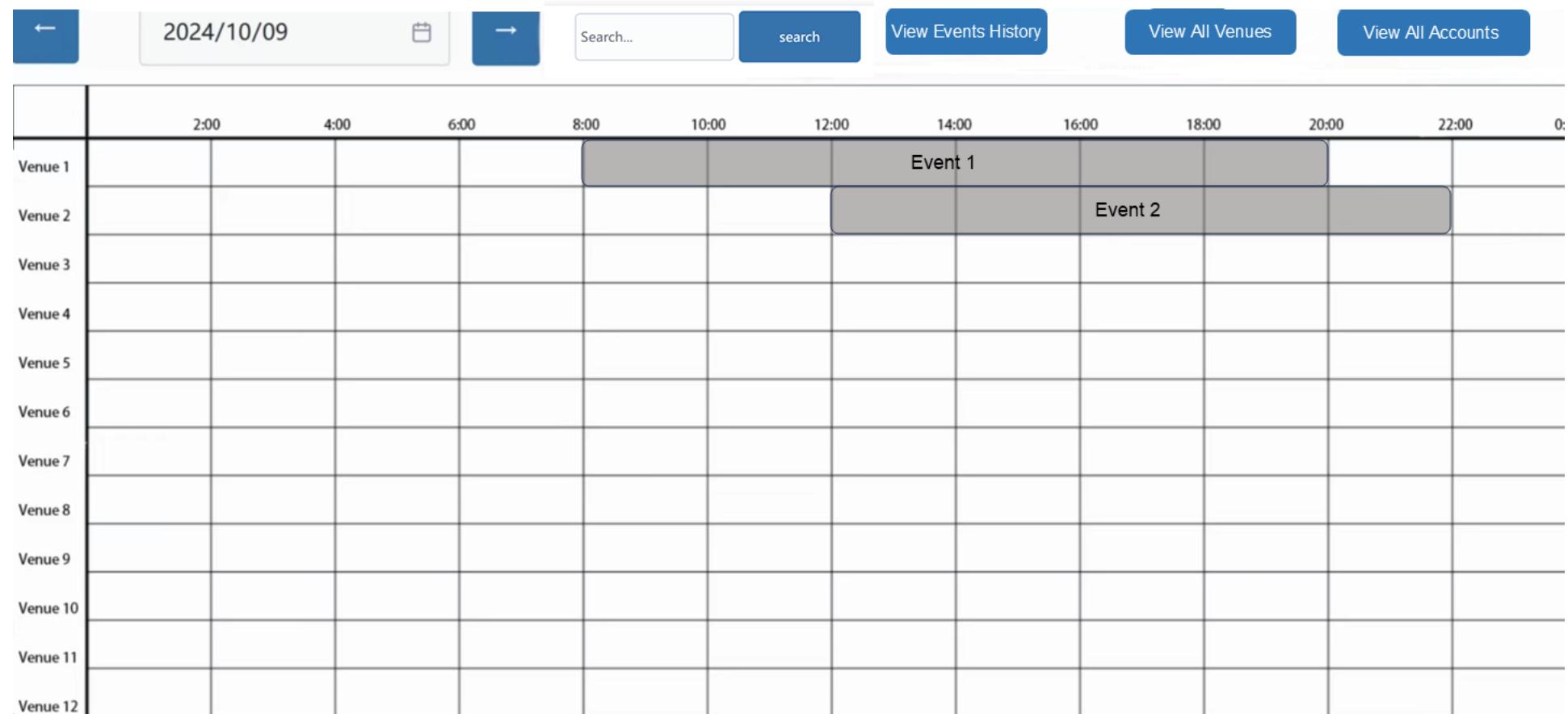
- The administrator navigates to the ‘View All Accounts’ page, which displaying all existing accounts in the system.
- The system displays a list of existing accounts.
- The administrator selects ‘New Account’.
- The administrator selects the type of account : Administrator.
- The system presents a form for entering account information (Name, Email, Password).
- The administrator fills out the information.
- The administrator submits the form with invalid data (e.g., improper email format, password not meeting security requirements).
- The system displays an error message explaining the issue (e.g., “Invalid email format” or “Password must contain at least 8 characters”).
- The system prompts the administrator to correct the input and resubmit.

Sequence Diagram



## UI Sketches

### Related UI Prototypes



## Account Management

Eszter      User      [Permission](#) [Edit](#) [Disable](#) [Delete](#)

Siiing      Organizer      [Permission](#) [Edit](#) [Disable](#) [Delete](#)

[Cancel](#)

[New Account](#)

## Account Info

Name

Email

Password

Type

User

 ▾

Cancel

Submit

## Account Info

Name

Email

Password

Address

Company Name

Phone Number

Type

Organizer ▾

Cancel

Submit

## Account Info

Name

Email

Password

Type

Administrator ▾

Cancel

Submit

## Error: Duplicate Email

The email address is already associated with another account. Please use a different email or edit the existing account.

Back

## Error: Invalid Input

The input provided is invalid. Please ensure that the email format is correct and the password meets security requirements.

Back

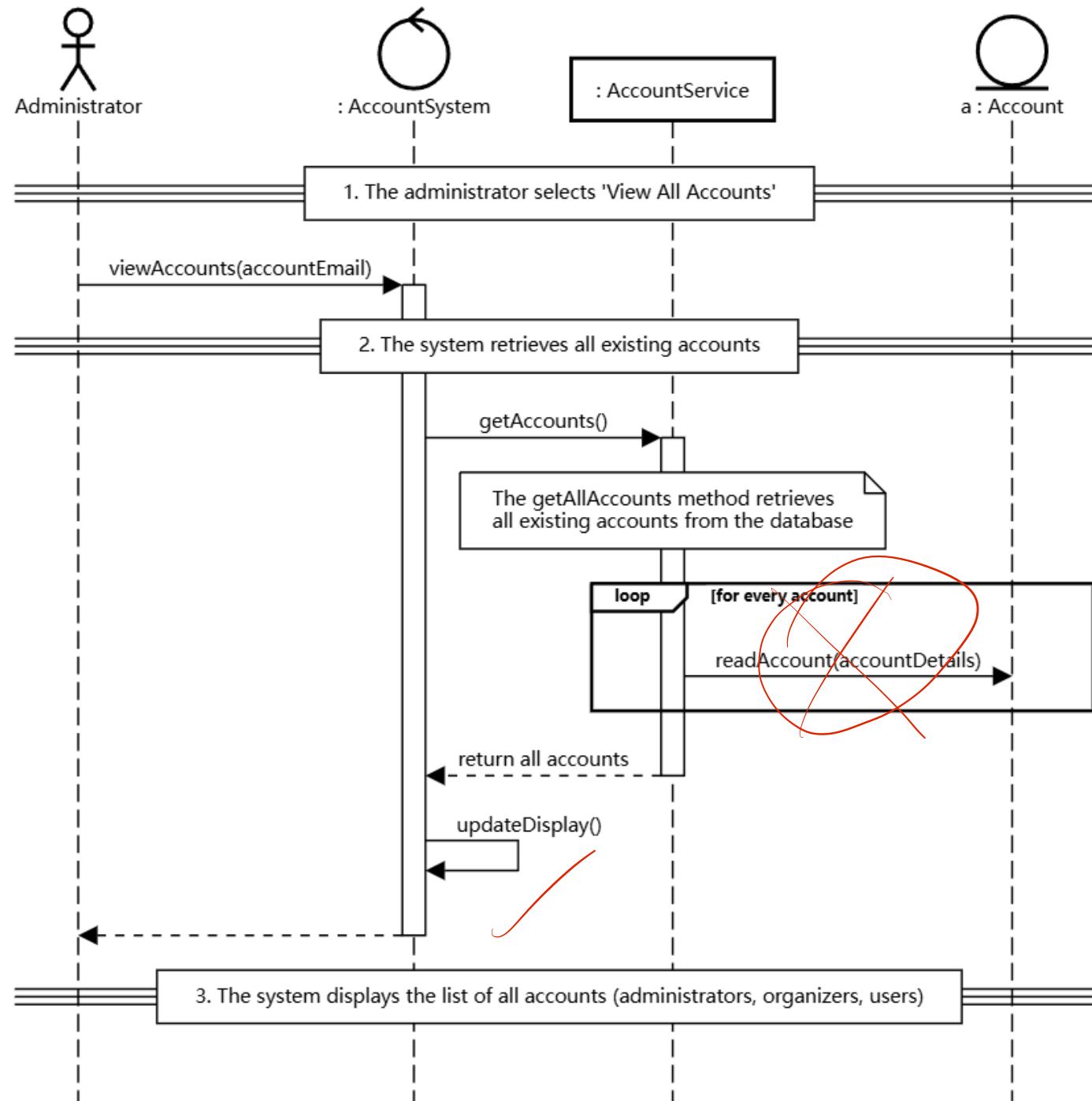
## 13 View All Accounts

### Basic Course of Events

- The administrator selects ‘View All Accounts’ from the main page(01-view\_all\_events.png).
- The administrator turn to view all accounts page(07-view\_all\_accounts.png).
- The system retrieves and displays a list of all existing accounts (administrators, organizers, users).

## Sequence Diagram

### View All Accounts - Basic Course of Events



## Alternate Course of Events

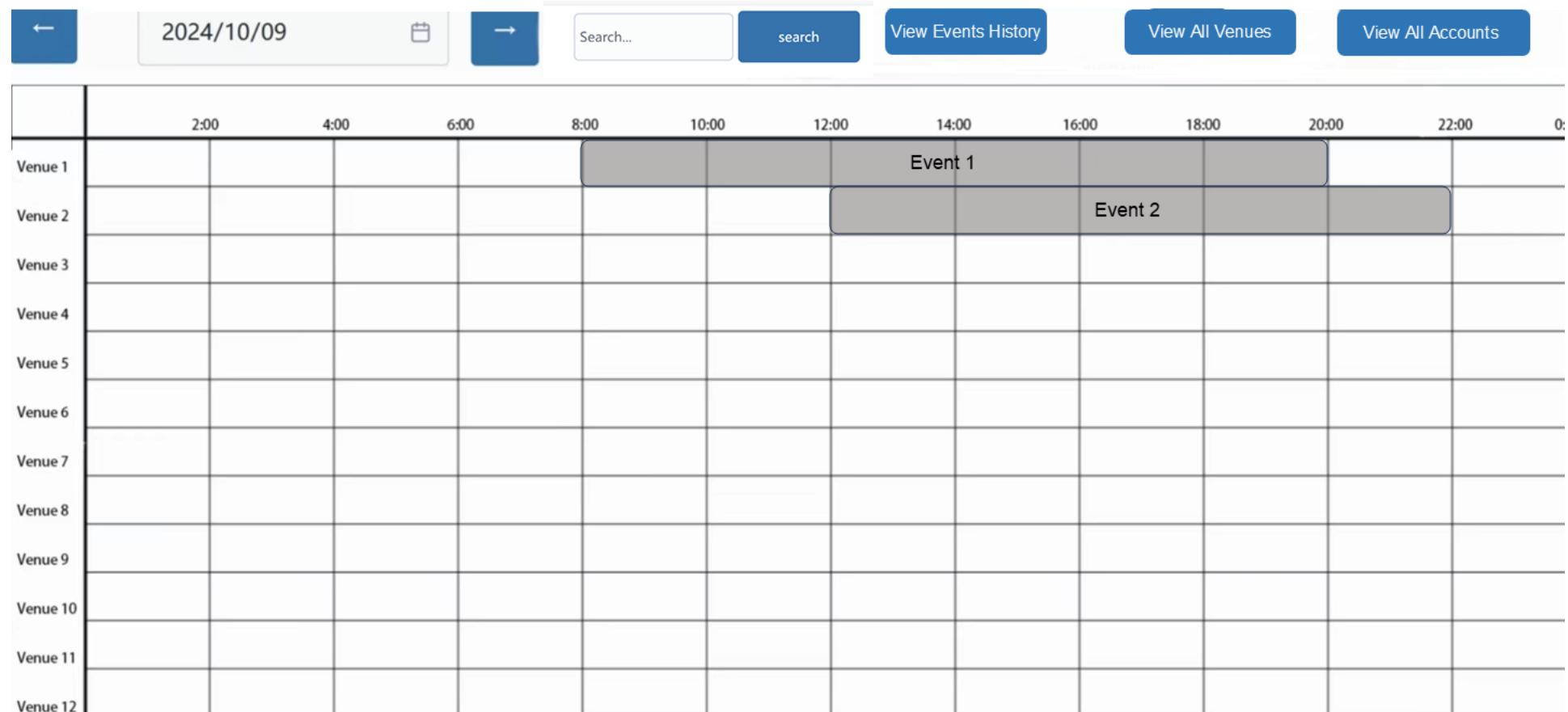
- The administrator selects ‘View All Accounts’ from the main page(01-view\_all\_events.png).
- The system shows that no accounts exist in the system.

### Sequence Diagram– Alternate Course of Events

There is no interaction

### UI Sketches

This is the page that the user must be on at the start to complete the use case.



## Account Management

Eszter      User      [Permission](#) [Edit](#) [Disable](#) [Delete](#)

Siiing      Organizer      [Permission](#) [Edit](#) [Disable](#) [Delete](#)

[Cancel](#)

[New Account](#)

Filename - 02-analysis/usecases/docs/14-disable\_account.md

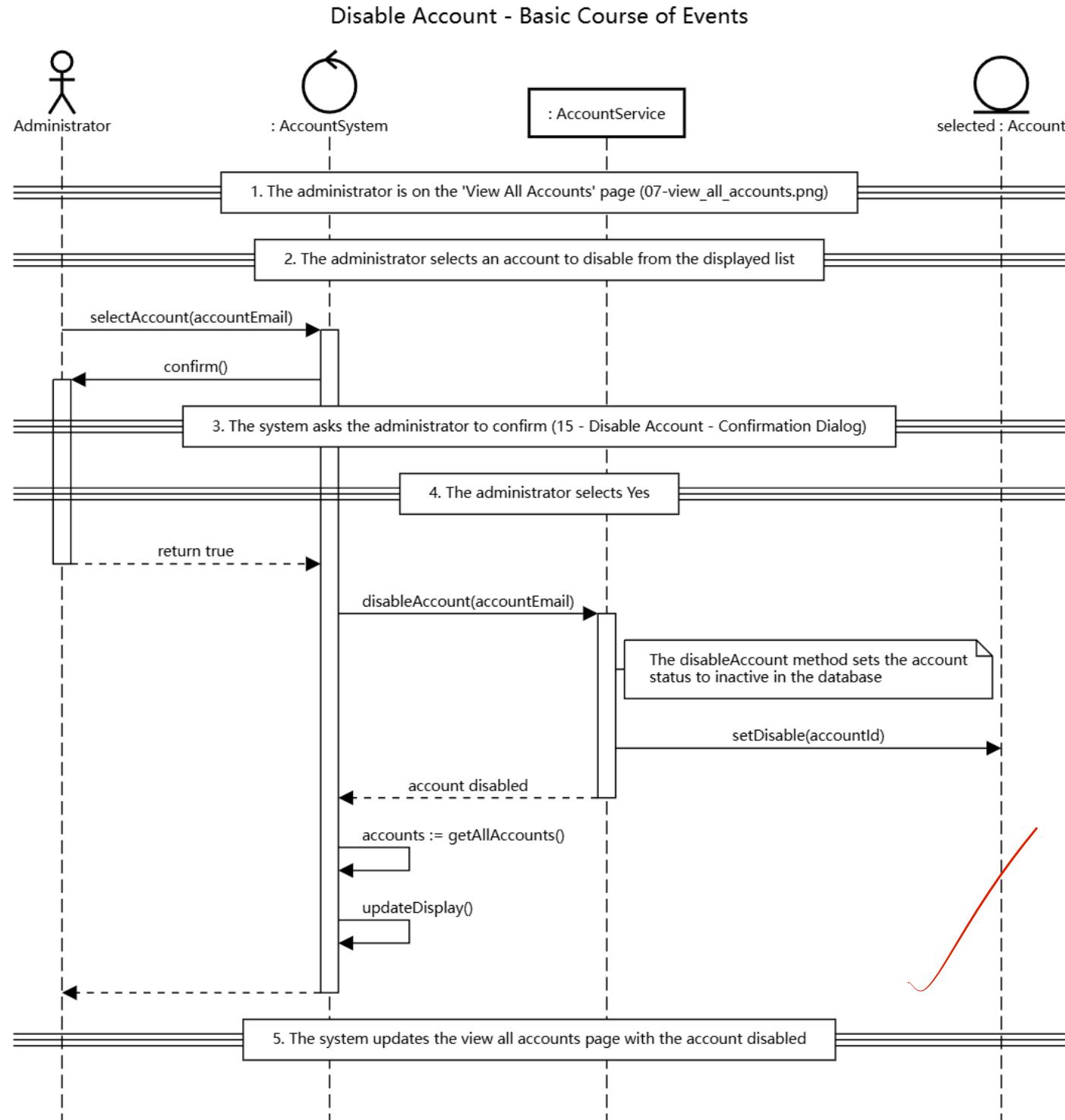
### 14 Disable Account

#### Basic Course of Events

##### Course of Events

- The administrator selects the account of the accounts list to disable in view all accounts page(7-view\_all\_accounts.png).
- The system asks the administrator to confirm.
- The administrator selects Yes.
- The system update the view all accounts page(7-view\_all\_accounts.png) with this account deleted.

## Sequence Diagram

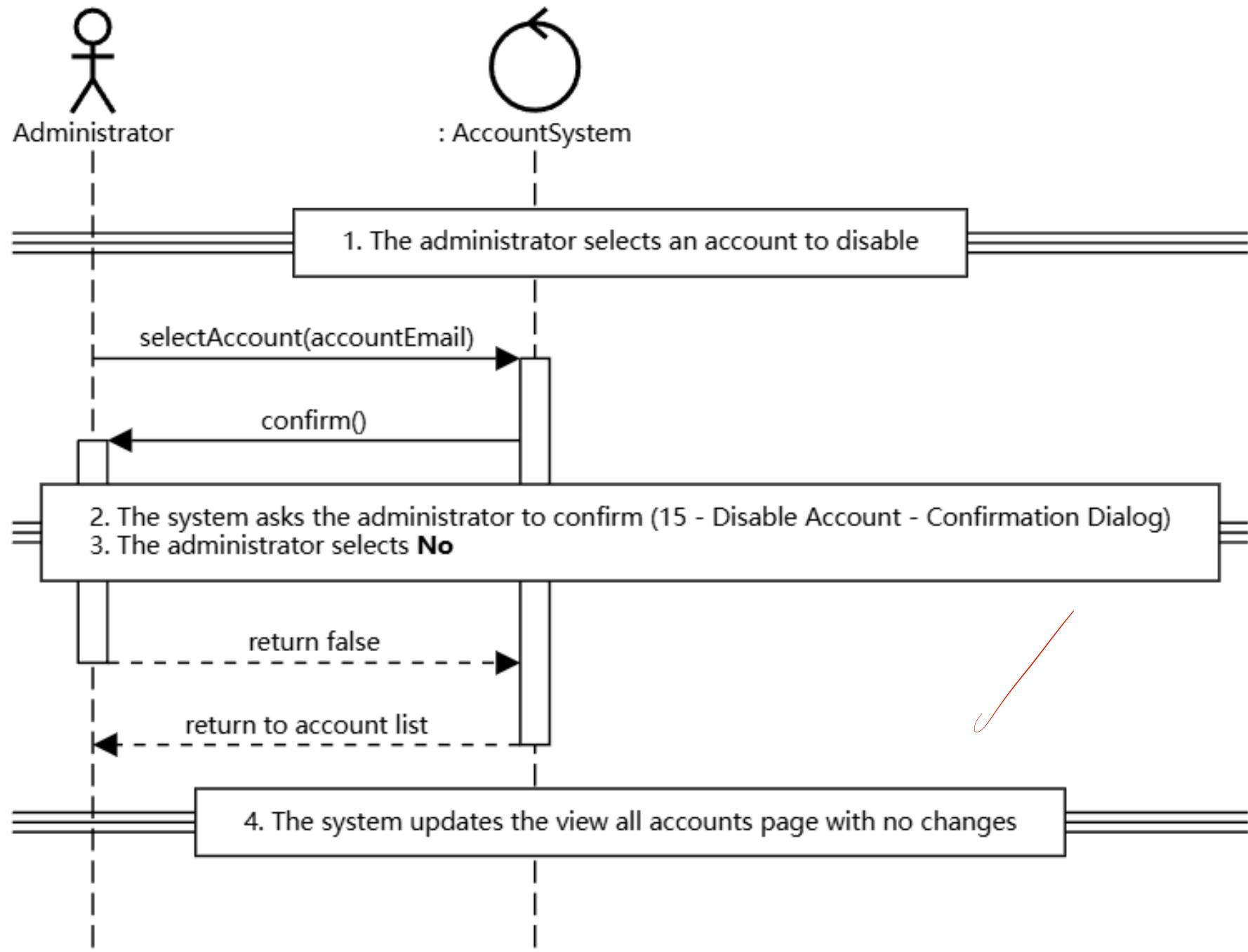


## **Alternate Course of Events**

### **Do Not Disable**

- The administrator selects an account to disable.
- The system asks the administrator to confirm.
- The administrator selects **No**.
- The system update the view all accounts page(7-view\_all\_accounts.png) with no changes.

## Disable Account - Do Not Disable

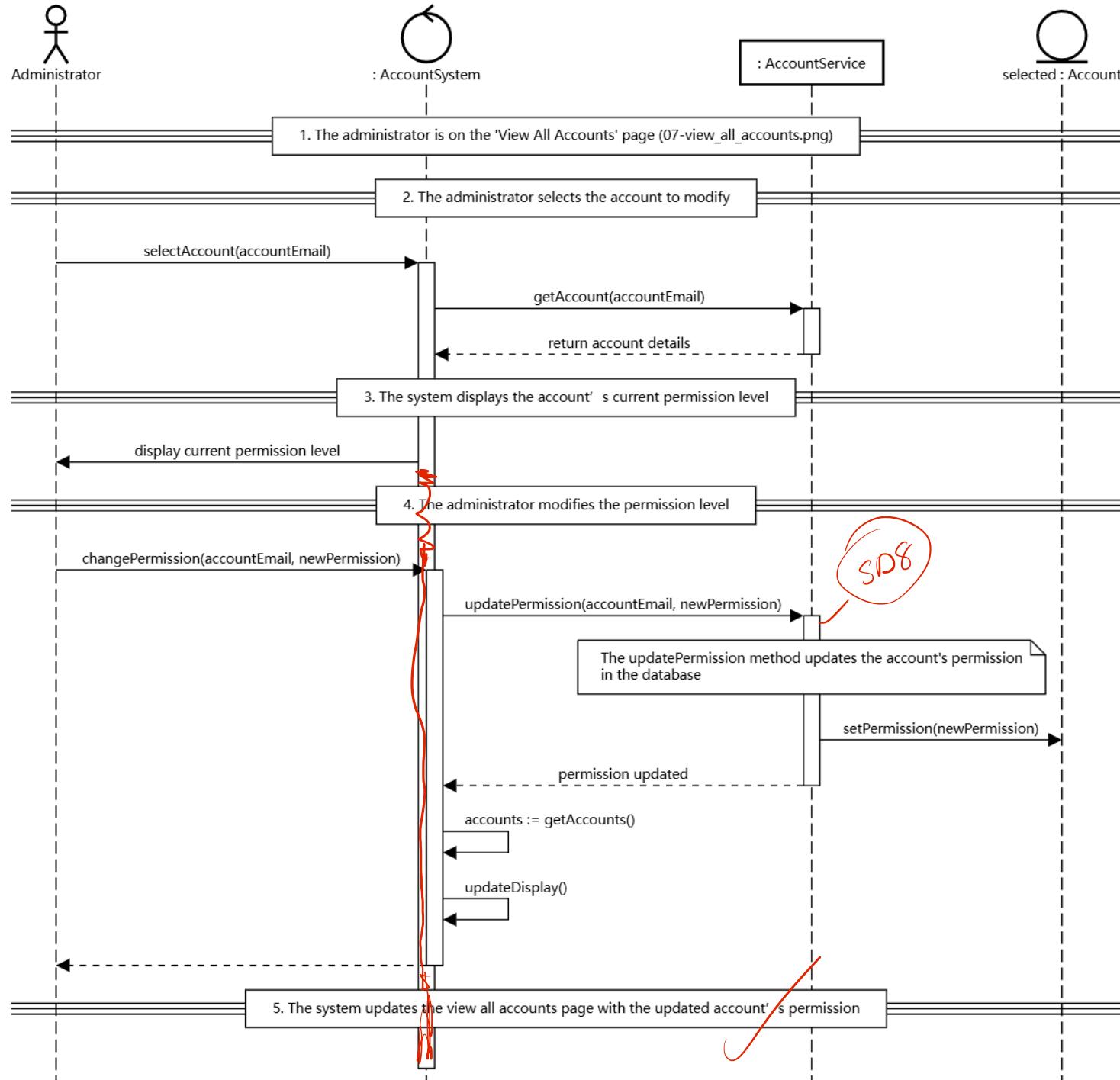


### **Account Already Disabled**

- The administrator selects an account to disable, but the account is already disabled.
- The system displays a message indicating the account is already inactive.

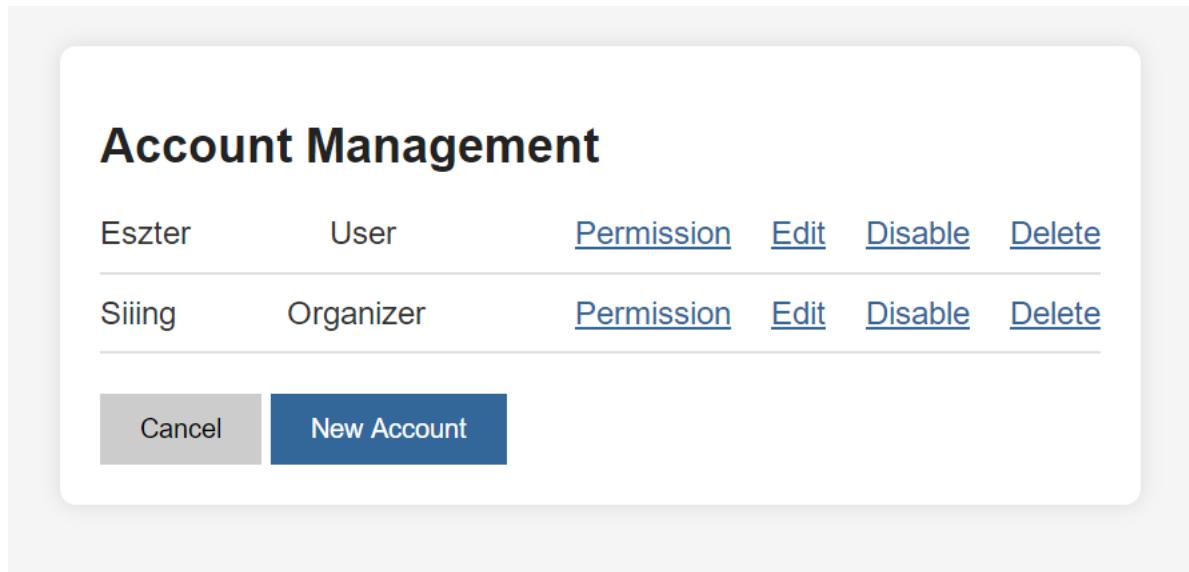
## Sequence Diagram – Alternate Course of Events

### Edit Account Permission - Basic Course of Events

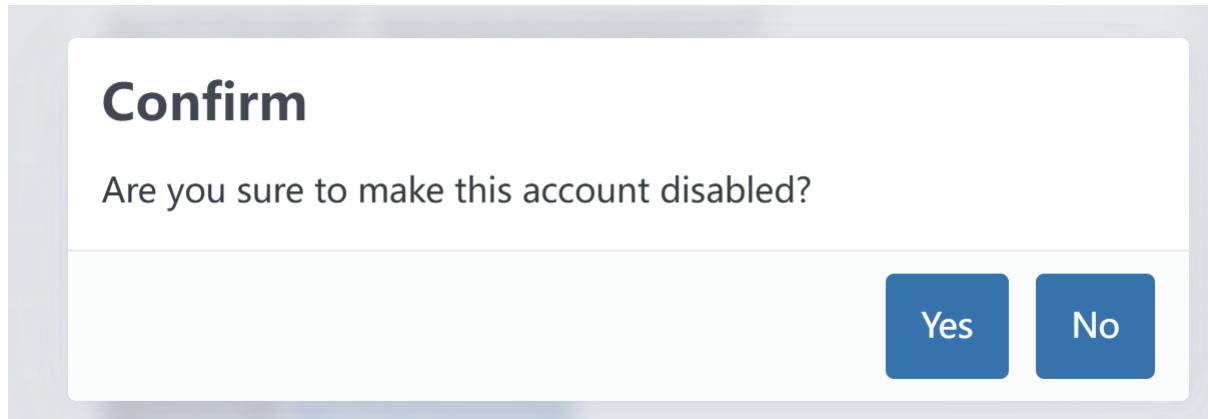


## UI Sketches

This is the page that the user must be on at the start to complete the use case.



A screenshot of a web-based account management interface. The title "Account Management" is at the top. Below it, there are two rows of account entries. Each entry consists of a name, a role, and a set of actions. The first row shows "Eszter" as a "User" with "Permission", "Edit", "Disable", and "Delete" links. The second row shows "Siiing" as an "Organizer" with similar links. At the bottom left is a "Cancel" button, and at the bottom right is a prominent blue "New Account" button.



A confirmation dialog box titled "Confirm". The message inside asks, "Are you sure to make this account disabled?". At the bottom are two blue buttons labeled "Yes" and "No".

## **Account Already Disabled**

The selected account is already inactive. You cannot disable an account that is already disabled.

[Back](#)

**Filename - 02-analysis/usecases/docs/15-delete\_account.md**

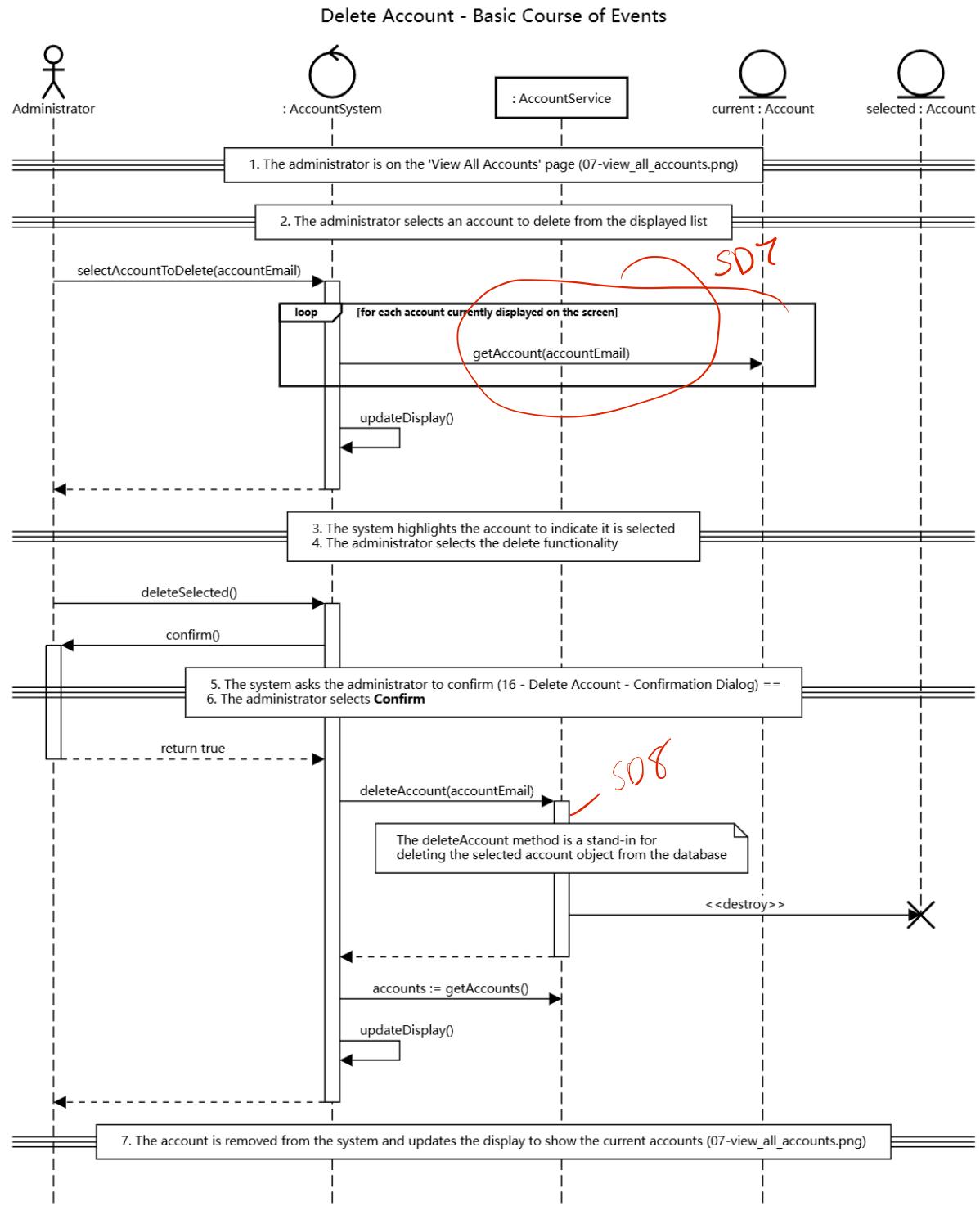
## **15 Delete Account**

### **Basic Course of Events**

#### **Course of Events**

- The administrator selects an account to delete on view all accounts page(7-view\_all\_accounts.png).
- The system asks the administrator to confirm.
- The administrator selects Yes.
- The system update the view all accounts page(7-view\_all\_accounts.png) with this account deleted.

## Sequence Diagram



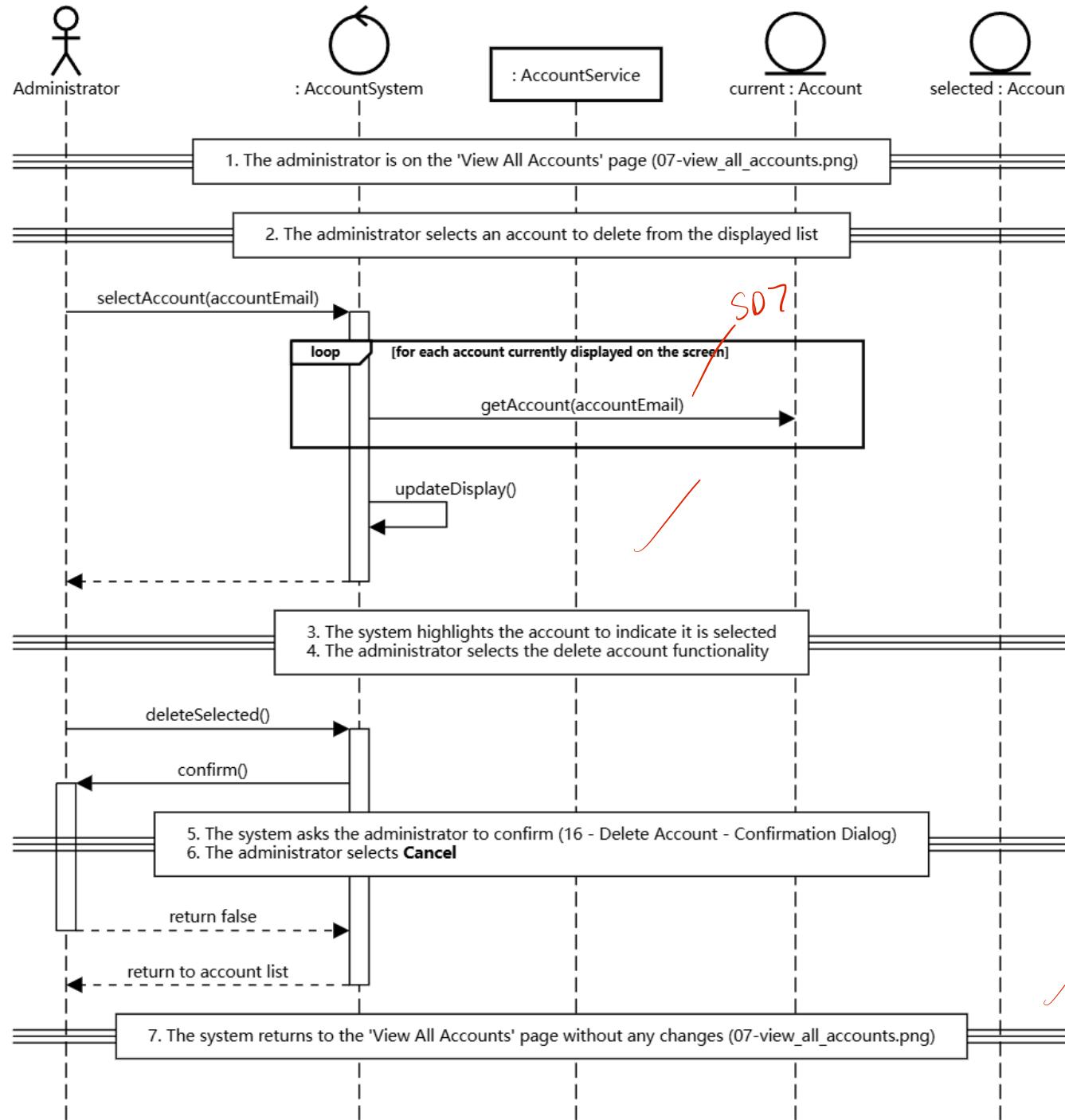
## **Alternate Course of Events**

### **Do Not Delete**

- The administrator selects an account to delete on view all accounts page(7-view\_all\_accounts.png).
- The system asks the administrator to confirm.
- The administrator selects **No**.
- The system returns to the view all accounts page(7-view\_all\_accounts.png) with no changes.

## Sequence Diagram – Alternate Course of Events

### Delete Account - Alternate Course of Events (Cancel)



## Event Not Found

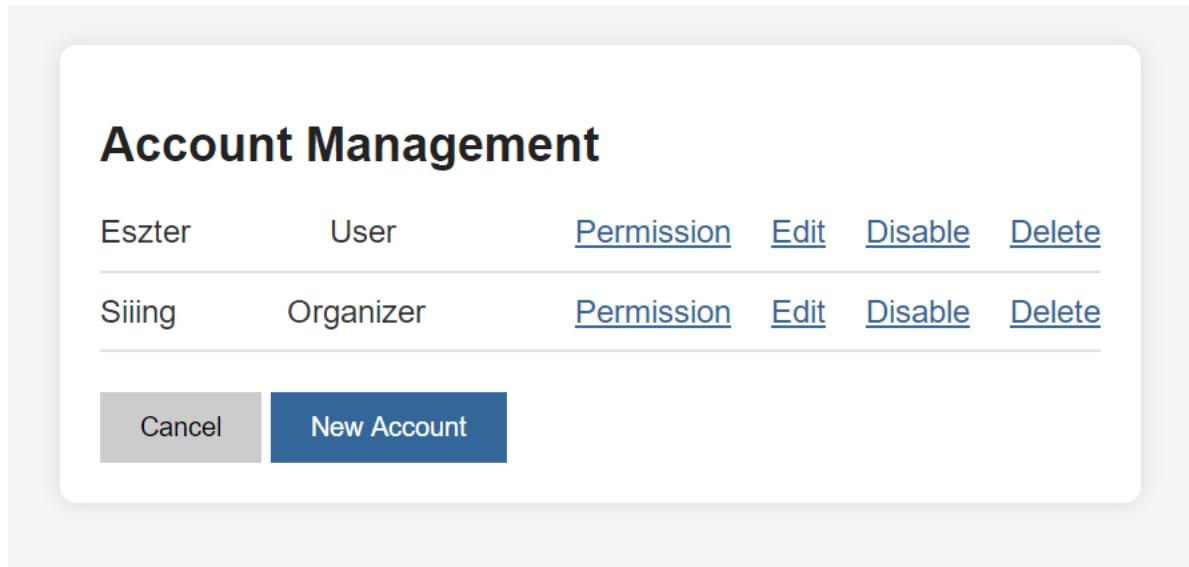
- The administrator tries to delete an event that no longer exists.
- The system displays an error message.

## Sequence Diagram— Alternate Course of Events

There is no interaction

## UI Sketches

This is the page that the user must be on at the start to complete the use case.



A wireframe sketch of a web-based account management interface. The title 'Account Management' is centered at the top. Below it is a table with two rows. The first row has two columns: 'Eszter' and 'User'. To the right of the second column are four buttons: 'Permission', 'Edit', 'Disable', and 'Delete'. The second row has two columns: 'Siiing' and 'Organizer'. To the right of the second column are four buttons: 'Permission', 'Edit', 'Disable', and 'Delete'. At the bottom left is a 'Cancel' button, and at the bottom center is a 'New Account' button.

Eszter	User	<a href="#">Permission</a>	<a href="#">Edit</a>	<a href="#">Disable</a>	<a href="#">Delete</a>
Siiing	Organizer	<a href="#">Permission</a>	<a href="#">Edit</a>	<a href="#">Disable</a>	<a href="#">Delete</a>

[Cancel](#) [New Account](#)

## Confirm

Are you sure to delete this account?

No Yes

Filename - 02-analysis/usecases/docs/16-edit\_account\_permission.md

## 16 Edit Account Permission

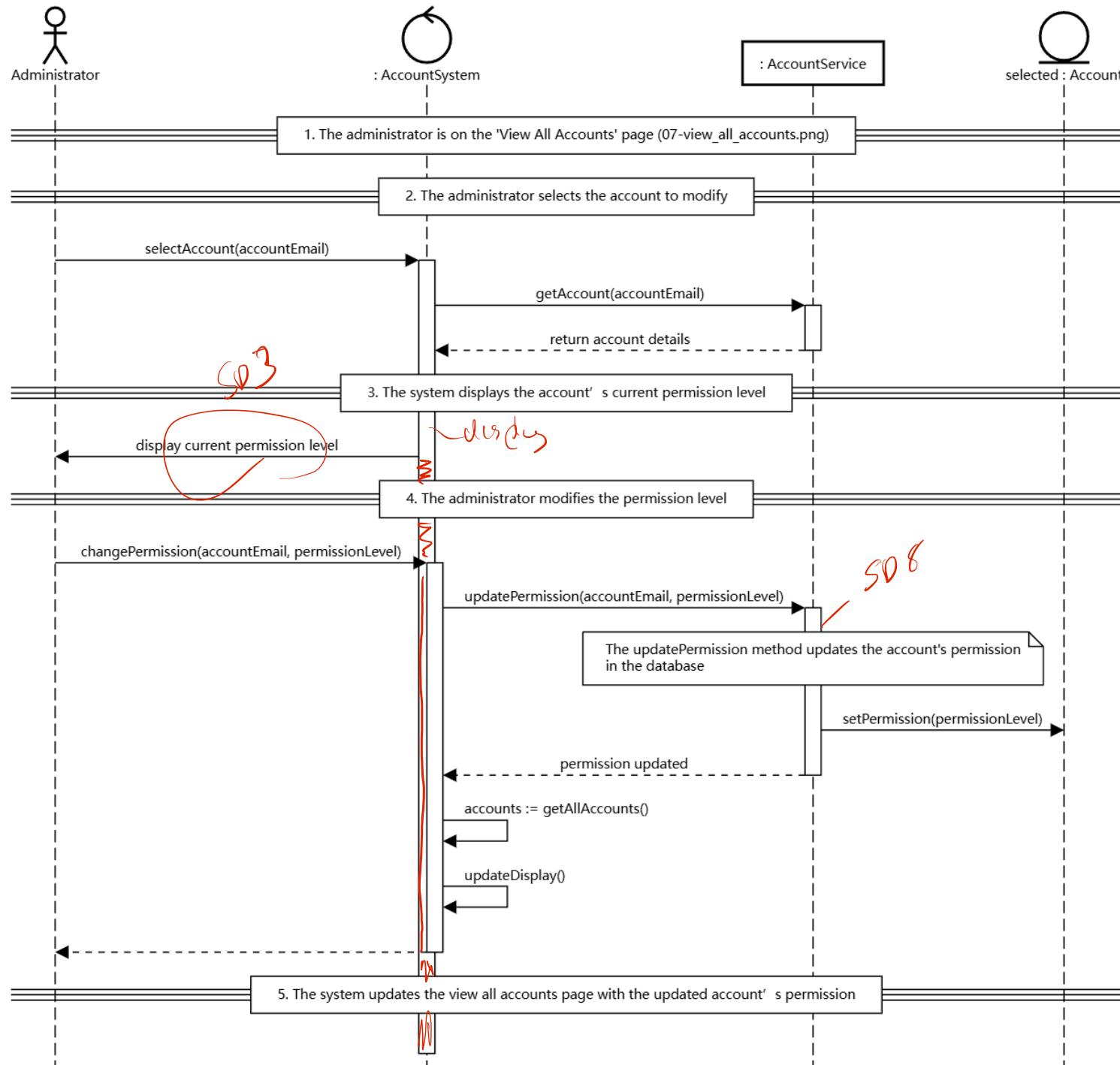
### Basic Course of Events

#### Course of Events

- The administrator is on view all accounts page(7-view\_all\_accounts.png).
- The administrator selects the account to modify.
- The system displays the account's current permission level.
- The administrator modifies the permission level (e.g., from user to organizer).
- The system update the view all accounts page(7-view\_all\_accounts.png) with updated account's permission.

## Sequence Diagram

### Edit Account Permission - Basic Course of Events

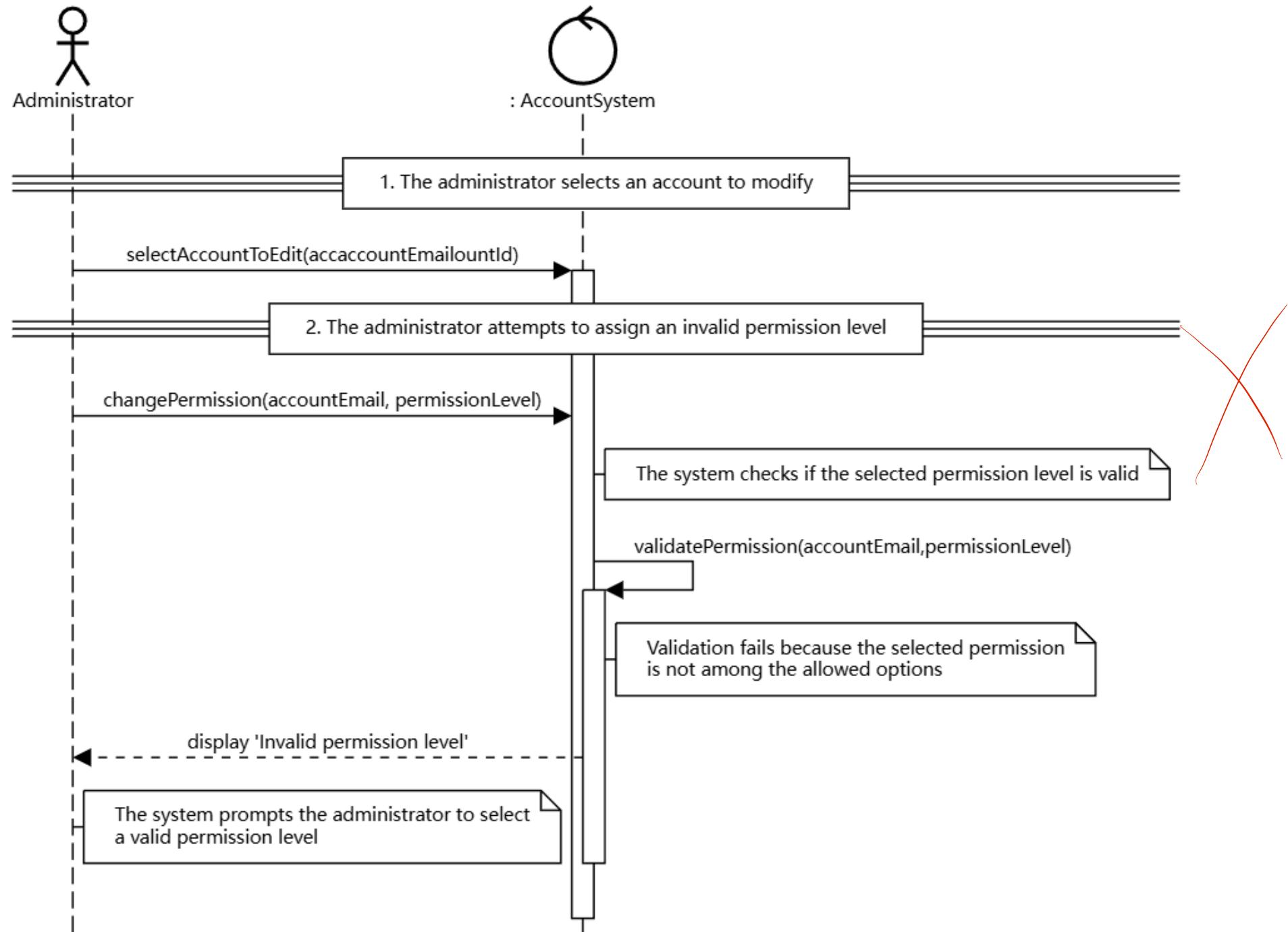


## **Alternate Course of Events**

### **Invalid Permission Level**

- The administrator is on view all accounts page(7-view\_all\_accounts.png).
- The administrator selects an account and attempts to assign an invalid permission level.
- The system displays an error message and prompts for a valid selection.

Edit Account Permission - Invalid Permission Level

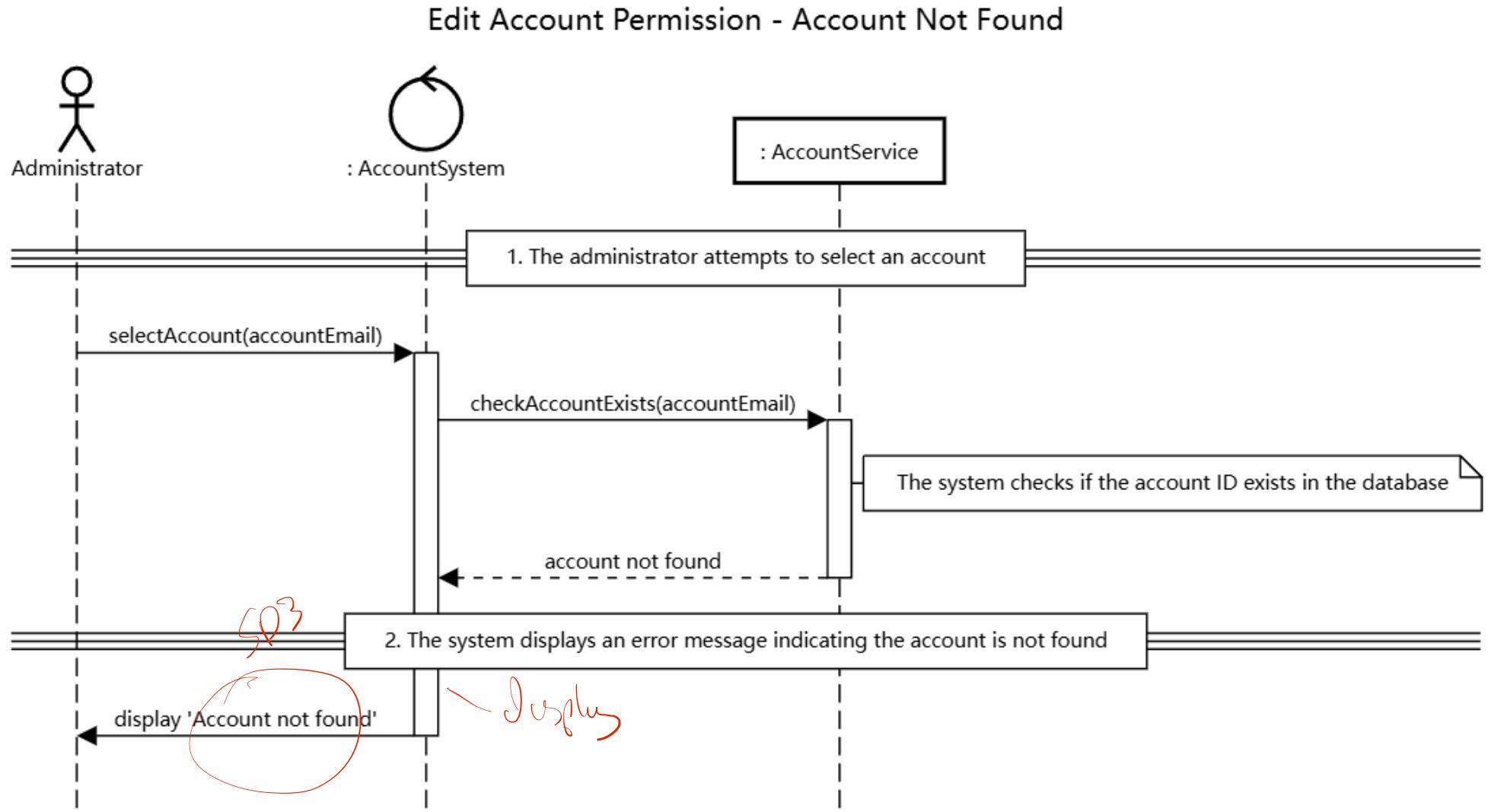


## Alternate Course of Events

### Account Not Found

- The administrator is on view all accounts page(7-view\_all\_accounts.png).
- The administrator attempts to select an account that does not exist.
- The system displays an error message indicating the account is not found.

### Sequence Diagram— Alternate Course of Events



## Alternate Course of Events

### Permission Already Granted

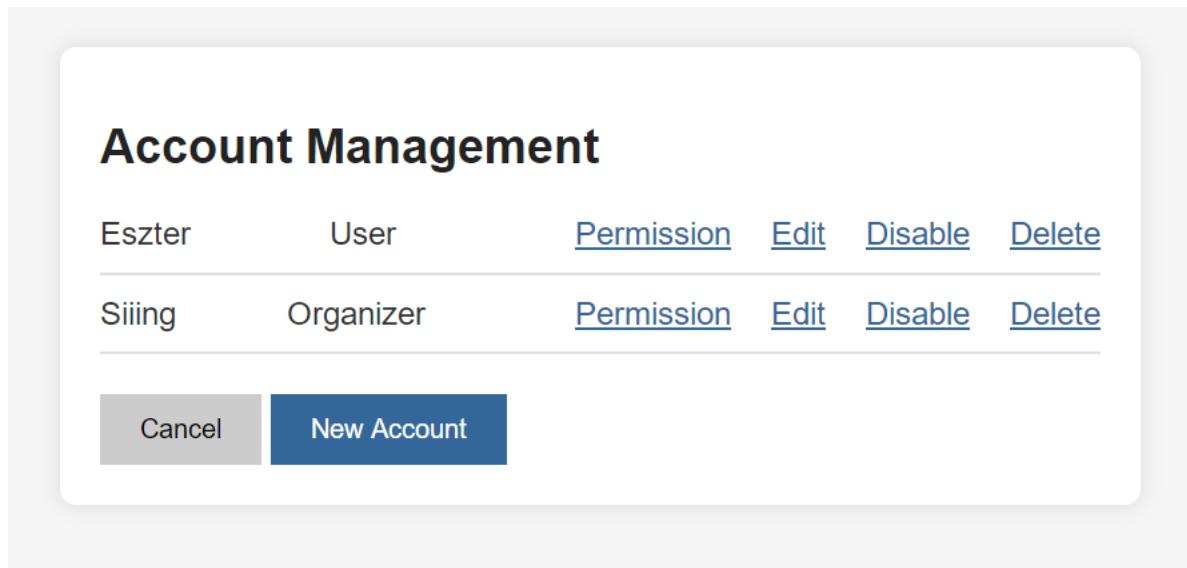
- The administrator is on view all accounts page(7-view\_all\_accounts.png).
- The administrator selects the account to modify.
- The administrator attempts to assign a permission level that the account already has.
- The system displays a message indicating no changes are needed.

### Sequence Diagram— Alternate Course of Events

There is no interaction

### UI Sketches

This is the page that the user must be on at the start to complete the use case.



## Confirm

Are you sure to change this account's permission from  
'organizer' to 'user'?

Yes

No

### Invalid Permission Level

The selected permission level is not valid. Please choose a valid permission level and try again.

Back

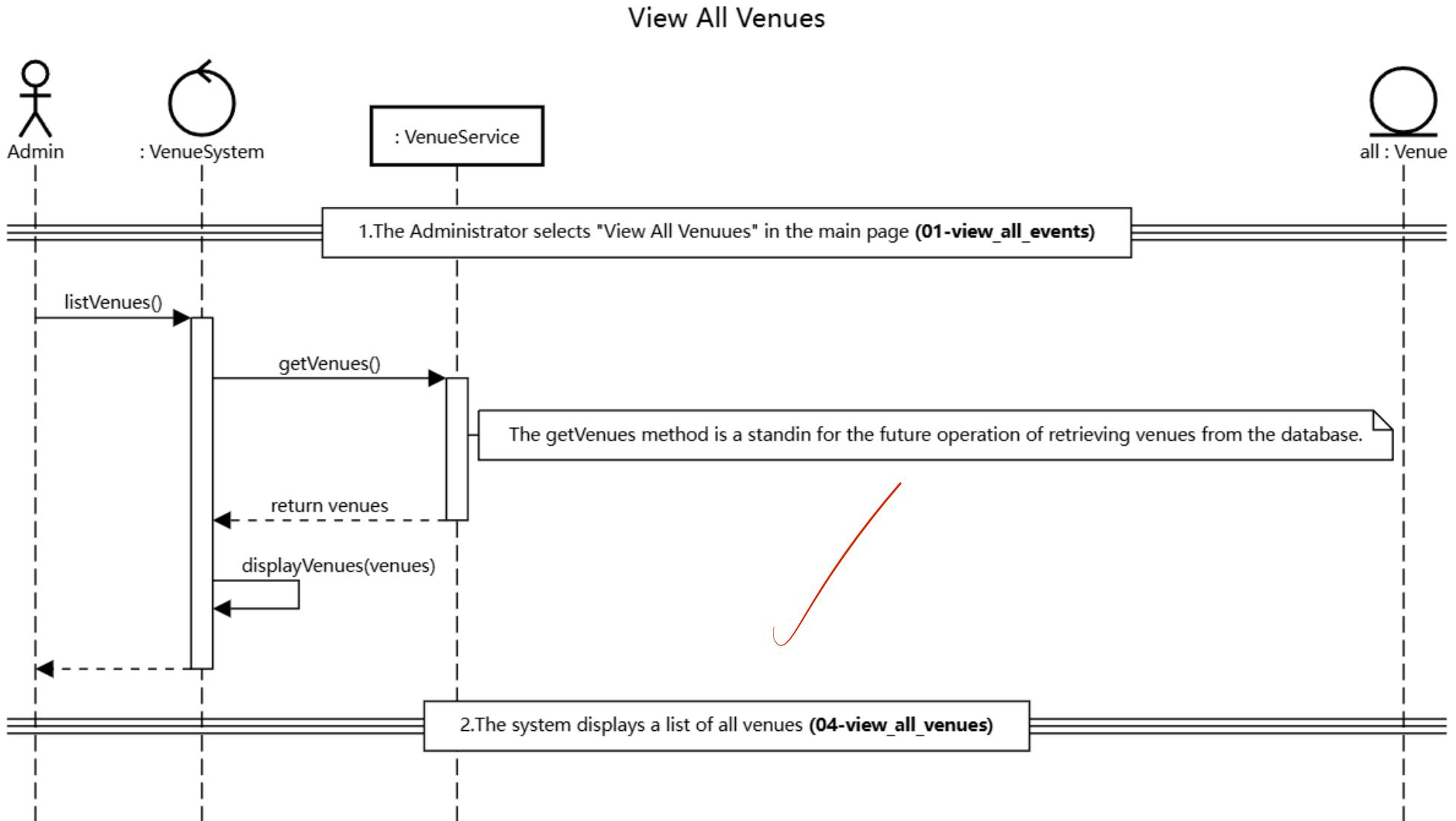
## 17 View All Venues

### Basic Course of Events

#### Course of events for administrator

- 1.The administrator selects ‘My Venues’ from the main page(01-view\_all\_events.png).
- 2.The system retrieves and displays a list of all existing venues(04-view\_all\_venues.png).

## Sequence Diagram



## Alternate Course of Events

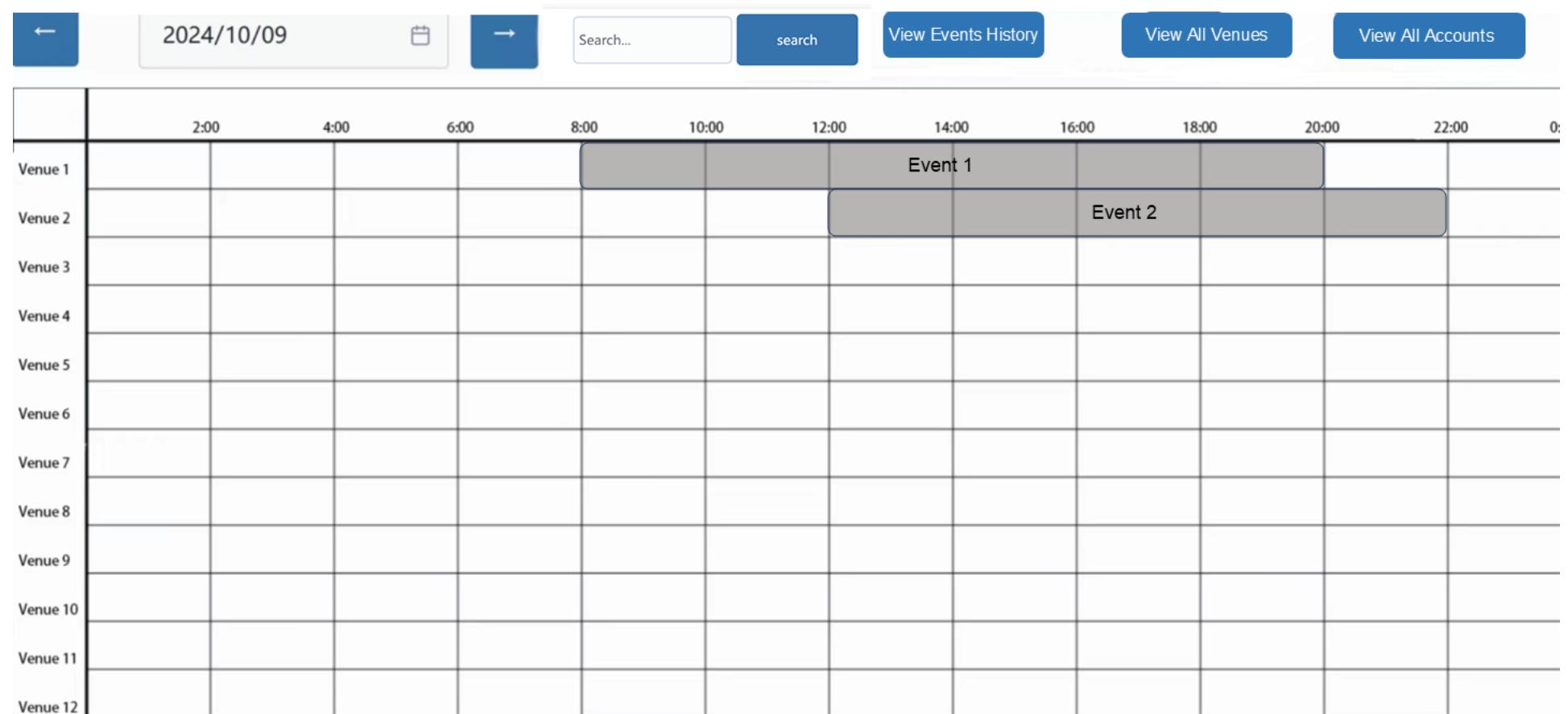
- None.

## UI Sketches

### Related UI Prototypes– Administrator

This is the page that the user must be on at the start to complete the use case.

## Main page



[View All Venues](#)

## All Venues

Venue	Address	Reservations	Actions
Venue 1	123 Main St	50 people reserved	<a href="#">Edit</a>   <a href="#">View History</a>   <a href="#">Delete</a>
Venue 2	456 Broadway	100 people reserved	<a href="#">Edit</a>   <a href="#">View History</a>   <a href="#">Delete</a>
Venue 3	789 Market St	75 people reserved	<a href="#">Edit</a>   <a href="#">View History</a>   <a href="#">Delete</a>
Venue 4	987 Center St	150 people reserved	<a href="#">Edit</a>   <a href="#">View History</a>   <a href="#">Delete</a>

[Create Venue](#)

**Filename - 02-analysis/usecases/docs/18-delete\_venue.md**

## 18 Delete Venue

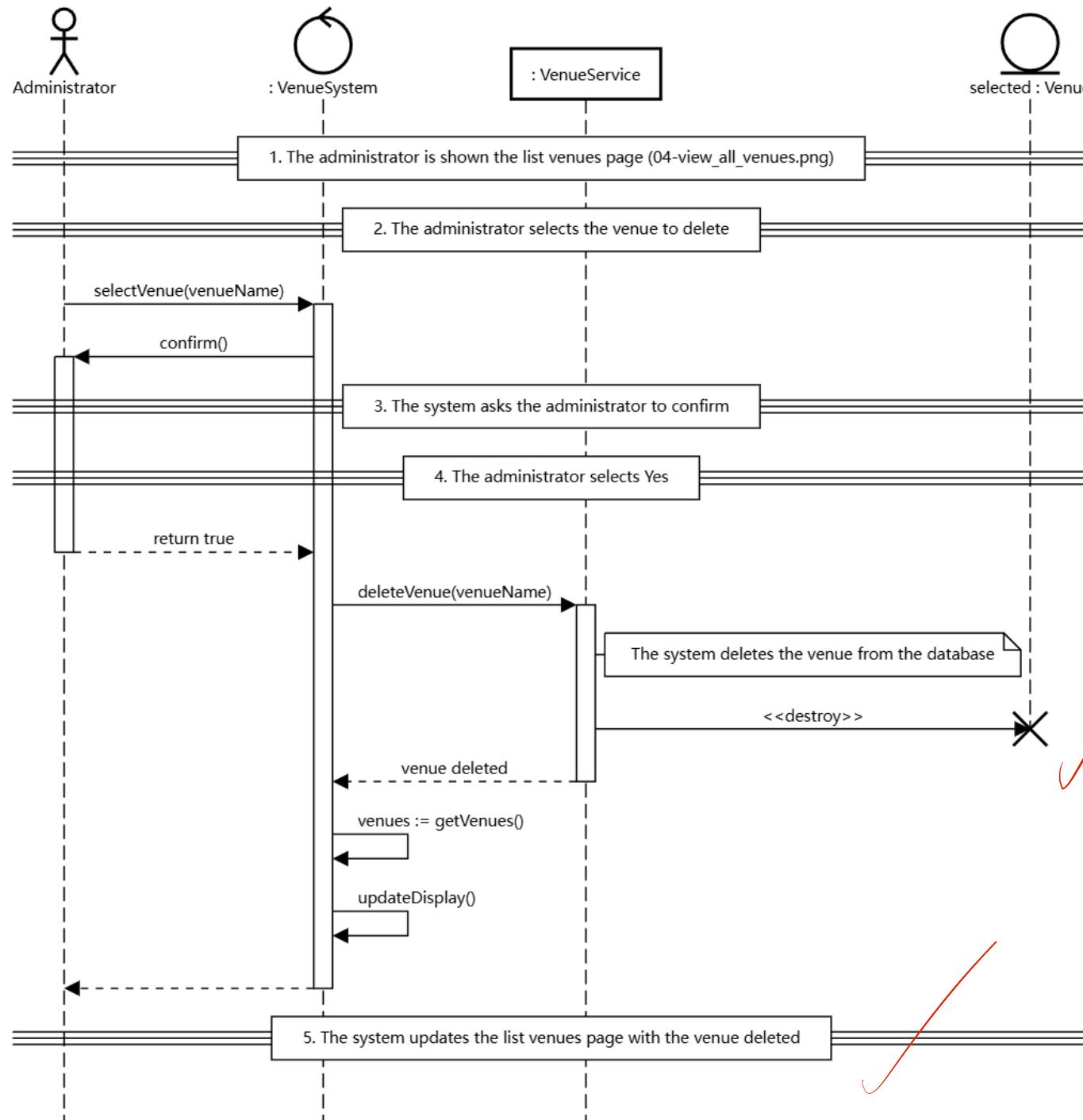
### Basic Course of Events

#### Course of Events

- The administrator is shown the list venues page (04-view\_all\_venues.png) where system displays a list of existing venues.
- The administrator selects the venue to delete.
- The system asks the administrator to confirm.
- The administrator selects **Yes**.
- The system update the list venues page (04-view\_all\_venues.png) with this venue deleted.

## Sequence Diagram

Delete Venue - Basic Course of Events

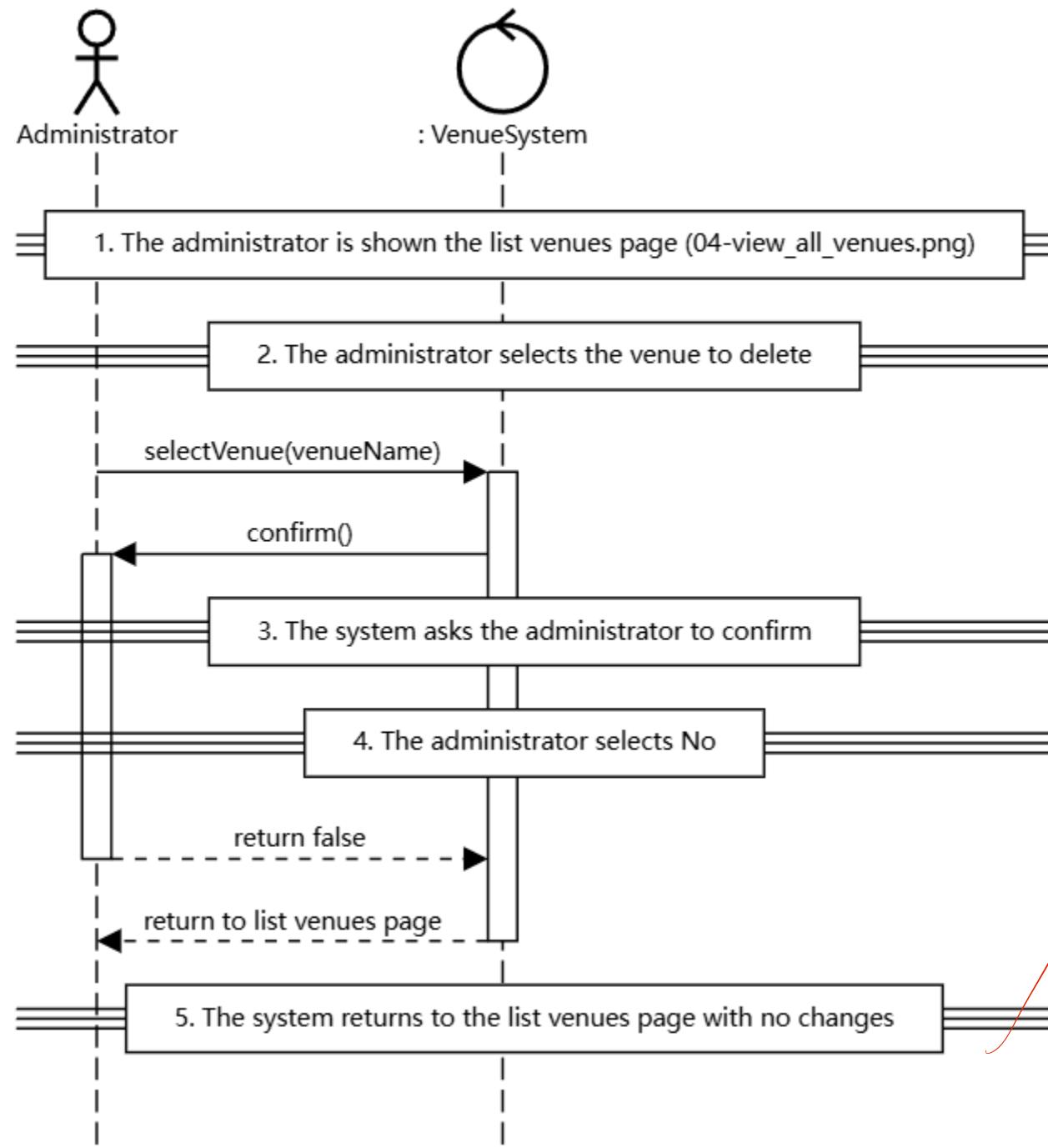


## **Alternate Course of Events**

### **Do Not Delete**

- The administrator is shown the list venues page (04-view\_all\_venues.png) where system displays a list of existing venues.
- The administrator selects the venue to delete.
- The system asks the administrator to confirm.
- The administrator selects **No**.
- The system returns to the list venues page (04-view\_all\_venues.png), and no venue is deleted.

## Delete Venue - Do Not Delete



## Venue Not Found

- The administrator tries to delete a venue that does not exist.
- The system displays an error message.

## Sequence Diagram– Alternate Course of Events

There is no interaction

## Venue In Use

- The administrator attempts to delete a venue that is still associated with upcoming events.
- The system displays a warning indicating that the venue is still in use and cannot be deleted.

## Sequence Diagram– Alternate Course of Events

Venue in use

## UI Sketches

This is the page that the user must be on at the start to complete the use case.

### All Venues

Venue	Address	Reservations	Actions
Venue 1	123 Main St	50 people reserved	<a href="#">Edit</a>   <a href="#">View History</a>   <a href="#">Delete</a>
Venue 2	456 Broadway	100 people reserved	<a href="#">Edit</a>   <a href="#">View History</a>   <a href="#">Delete</a>
Venue 3	789 Market St	75 people reserved	<a href="#">Edit</a>   <a href="#">View History</a>   <a href="#">Delete</a>
Venue 4	987 Center St	150 people reserved	<a href="#">Edit</a>   <a href="#">View History</a>   <a href="#">Delete</a>

[Create Venue](#)

## Confirm

Are you sure to delete this venue?

Yes

No

### Venue In Use

The selected venue is still associated with upcoming events and cannot be deleted.

Back

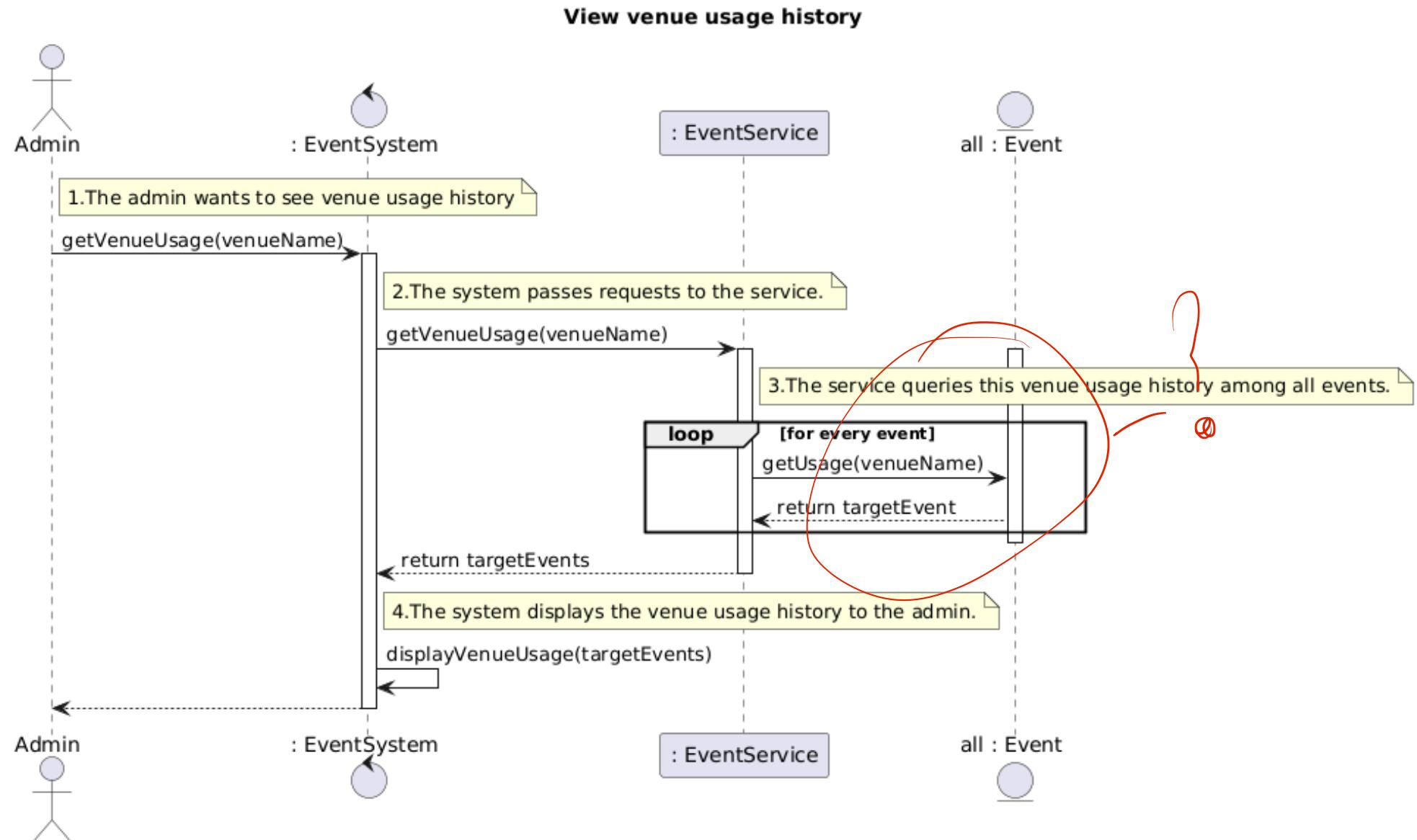
Filename - 02-analysis/usecases/docs/19-view\_venue\_usage\_history.md

## 19 View Venue Usage History

### Basic Course of Events

- 1.The administrator select one venue to see its usage history.
- 2.The system passes requests to the service.
- 3.The service queries this usage history among all events.
- 4.The system retrieves and displays a list of events that have been hosted at that venue.

## Sequence Diagram



## Alternate Course of Events

### Do not have usage history

- The system shows that there is no usage history for this venue.

## Sequence Diagram– Alternate Course of Events

- None

## UI Sketches

This is the page that the user must be on at the start to complete the use case.

### All Venues

Venue	Address	Reservations	Actions
Venue 1	123 Main St	50 people reserved	<a href="#">Edit</a>   <a href="#">View History</a>   <a href="#">Delete</a>
Venue 2	456 Broadway	100 people reserved	<a href="#">Edit</a>   <a href="#">View History</a>   <a href="#">Delete</a>
Venue 3	789 Market St	75 people reserved	<a href="#">Edit</a>   <a href="#">View History</a>   <a href="#">Delete</a>
Venue 4	987 Center St	150 people reserved	<a href="#">Edit</a>   <a href="#">View History</a>   <a href="#">Delete</a>

[Create Venue](#)

## Venue 1

### History

Event 3 03/01/2024 [Delete](#)

Event 2 02/01/2024 [Delete](#)

Event 1 01/01/2024 [Delete](#)

[Cancel](#)

[Submit](#)

### Data Outcome

- **READ** - The venue usage history will be shown on the system and the administrator can read it.
- **UPDATE** - None

**Filename - 02-analysis/usecases/docs/20-view\_events\_history.md**

## 20 View Events History

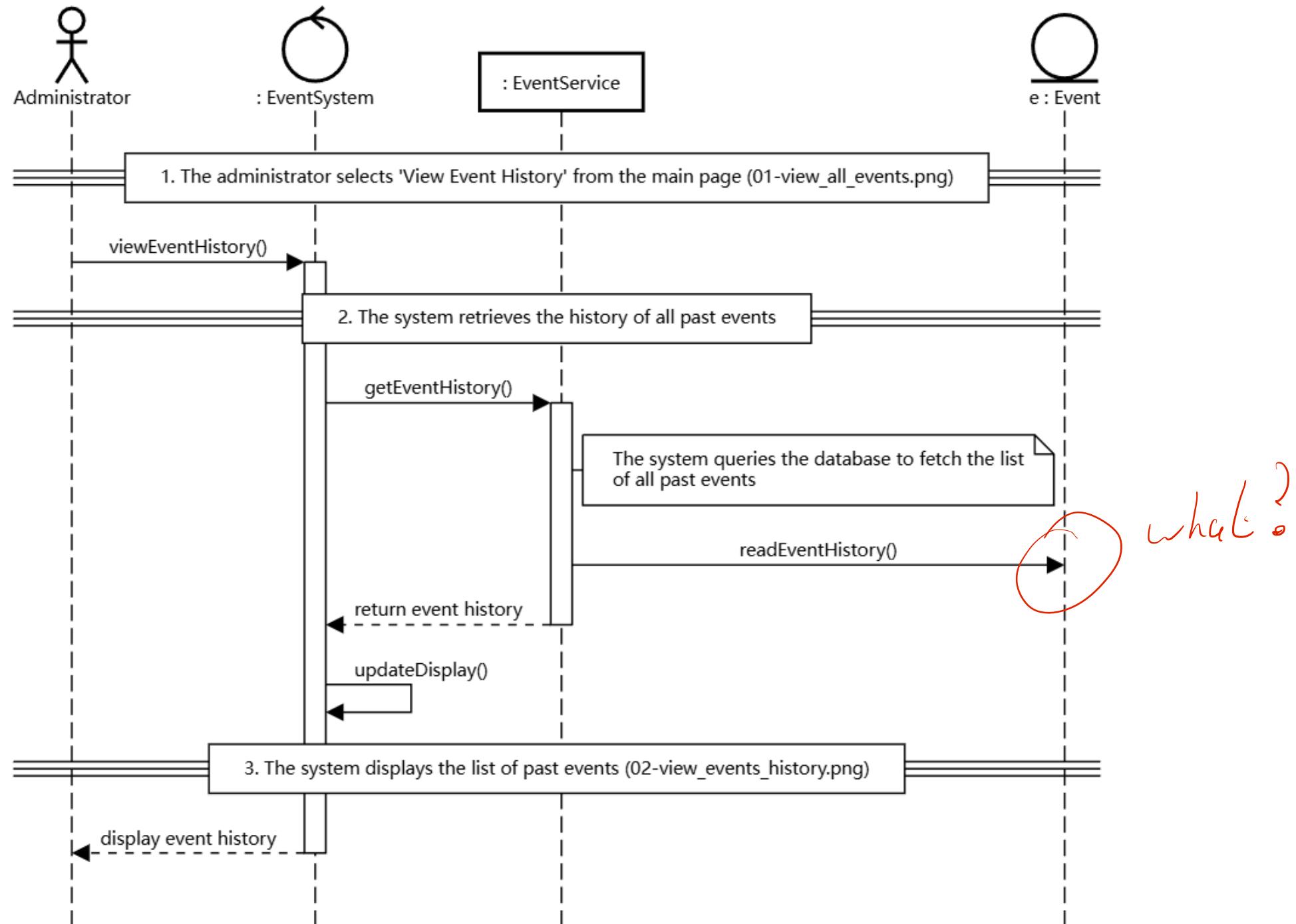
### Basic Course of Events

#### Course of Events

- The administrator selects ‘View Event History’ from the main page(01-view\_all\_events.png).
- The system retrieves and displays a list of all events histories page(02-view\_events\_history.png).

Sequence Diagram

View Event History - Basic Course of Events



## Alternate Course of Events

### No Events Found

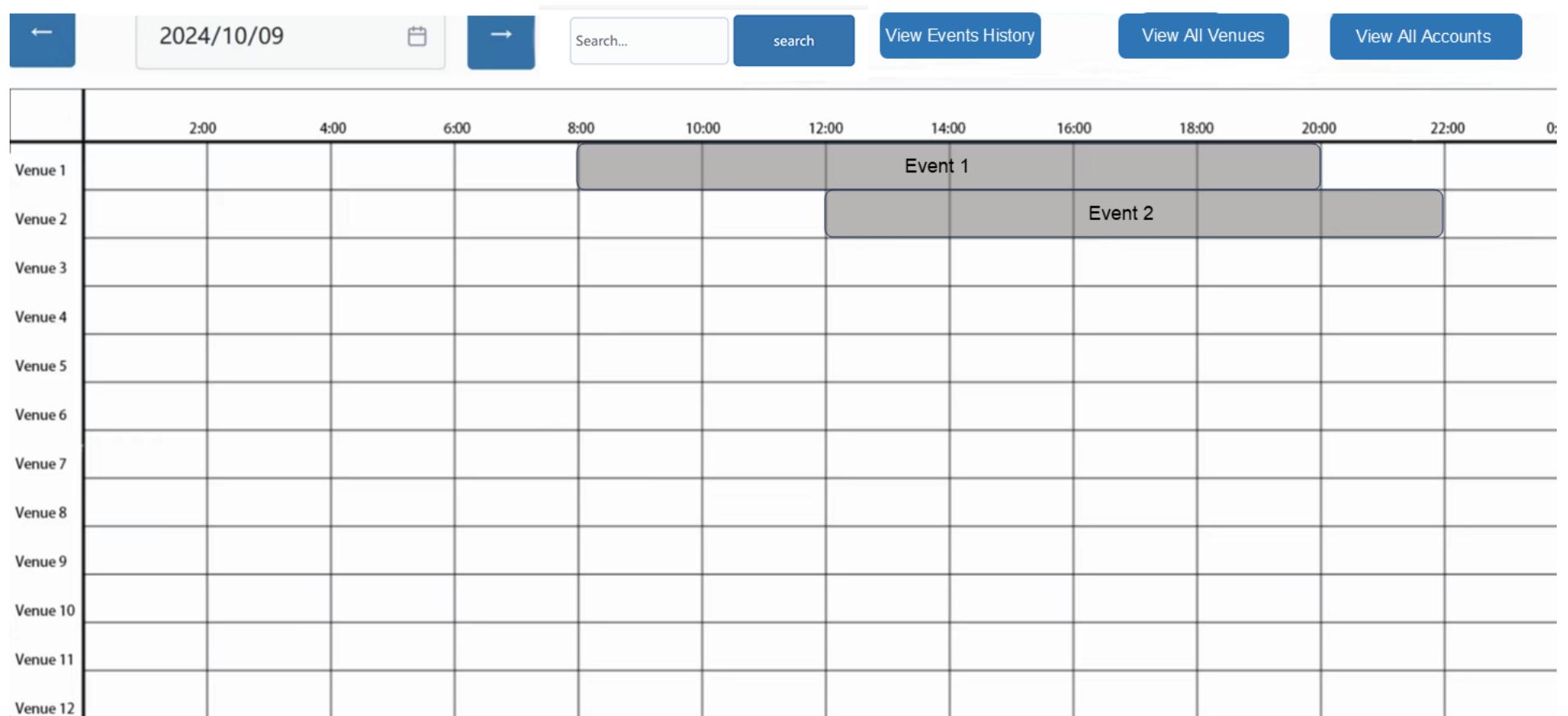
- The system shows that there are no past events in the system.

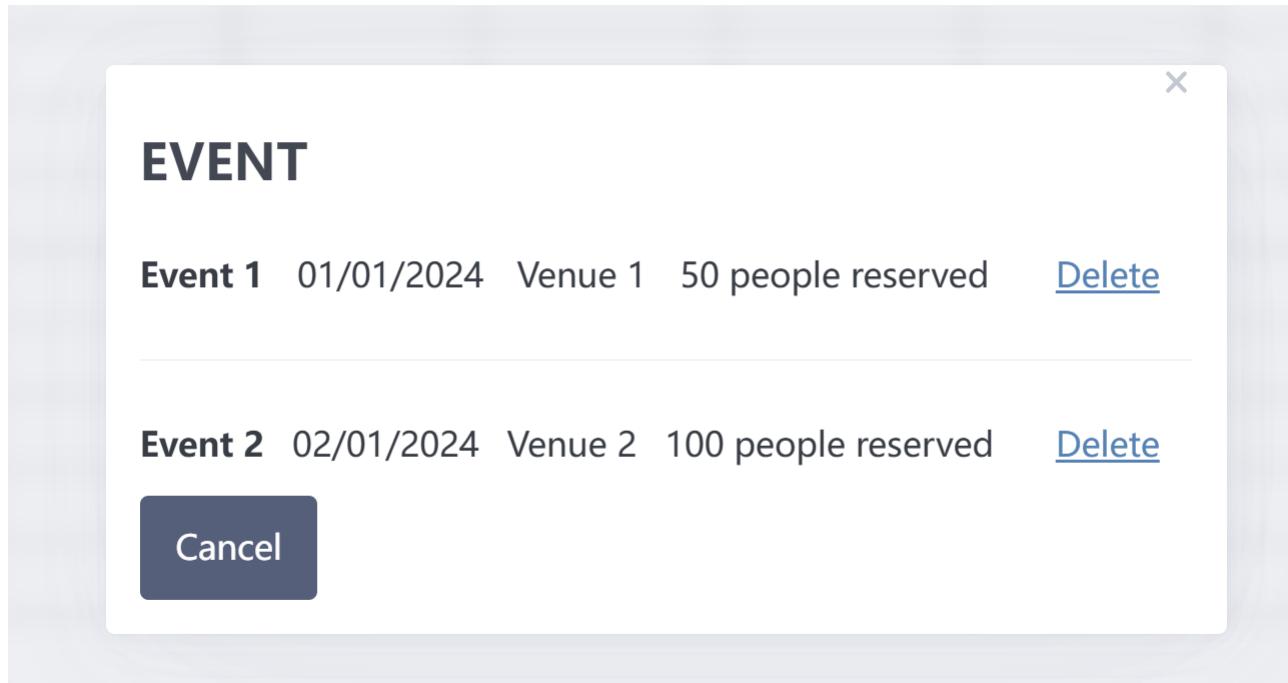
### Sequence Diagram— Alternate Course of Events

There is no interaction

### UI Sketches

This is the page that the user must be on at the start to complete the use case.





Filename - 02-analysis/usecases/docs/21-list\_my\_events.md

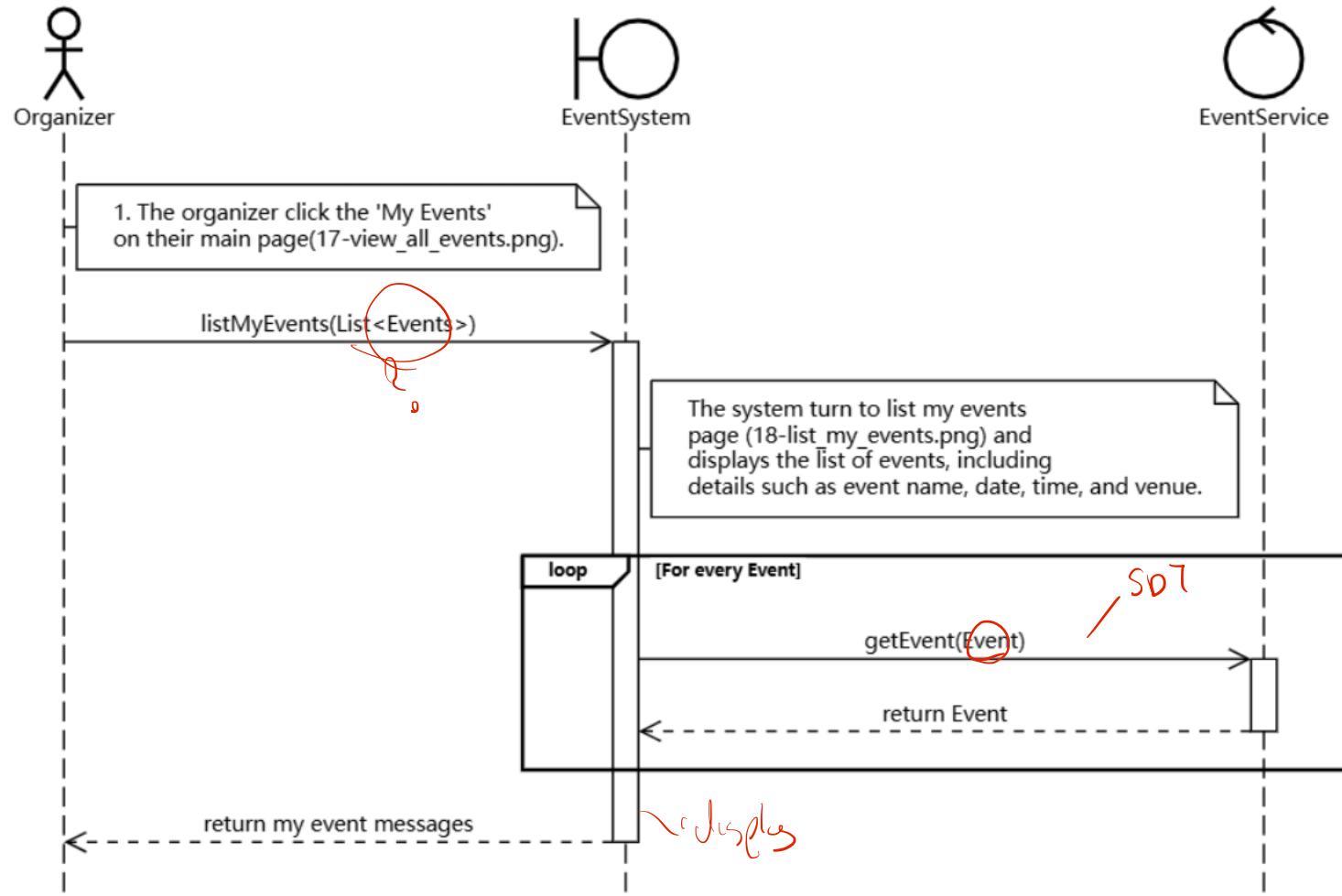
## 21 List My Events

### Basic Course of Events

- The organizer click the 'My Events' on their main page(17-view\_all\_events.png).
- The system turn to list my events page (18-list\_my\_events.png) and displays the list of events, including details such as event name, date, time, and venue.

## Sequence Diagram

### Organizer List Event Details



### Alternate Course of Events

#### No Events Found

- If the organizer has not created any events, the system displays a message indicating that no events are available.

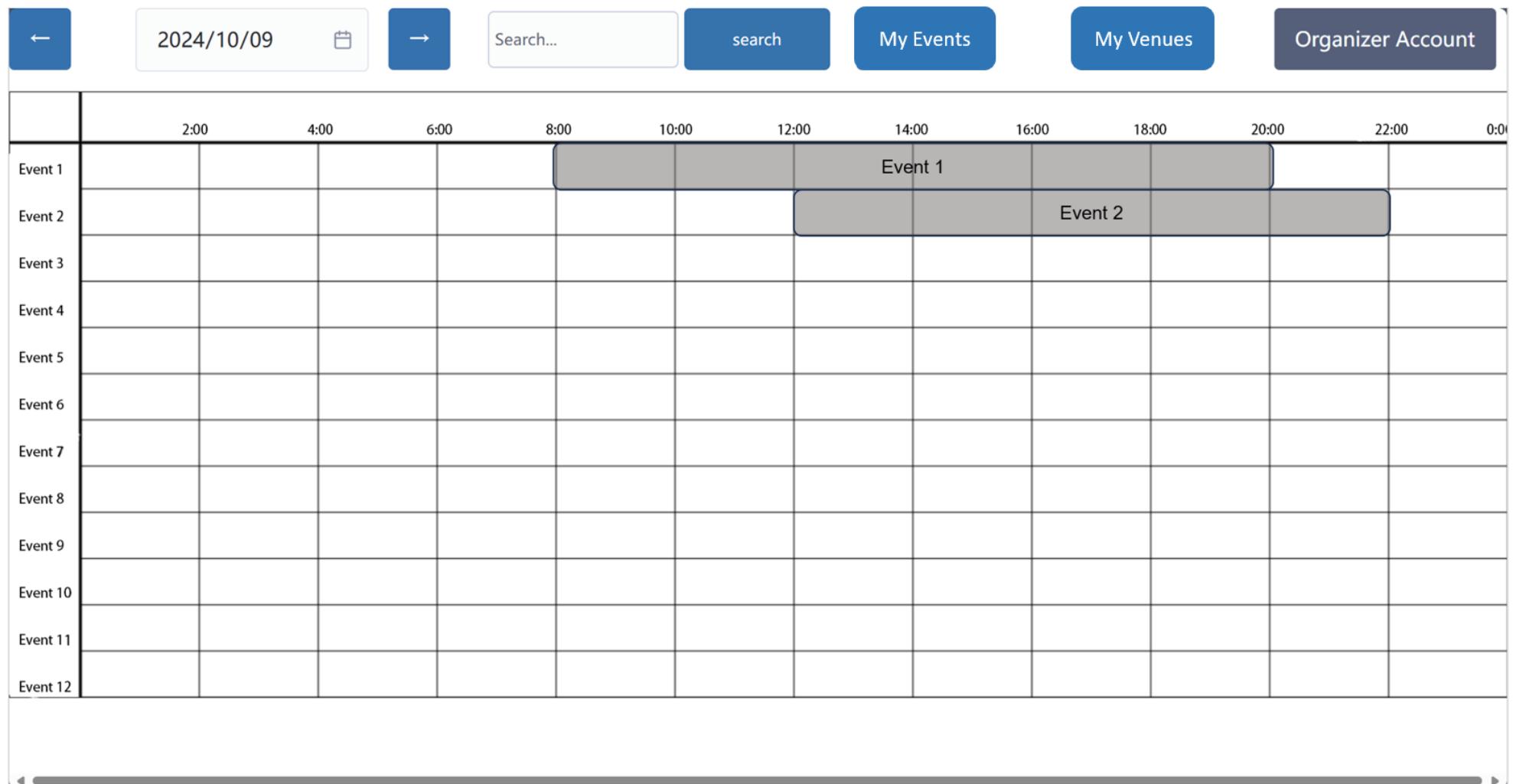
#### Sequence Diagram— Alternate Course of Events

- None

## UI Sketches

This is the page that the user must be on at the start to complete the use case.

### Main Page



## Available Events

**Event 1** 01/01/2024 123 Main St 50 people reserved [Delete](#) [Edit](#)

**Event 2** 02/01/2024 456 Broadway 100 people reserved [Delete](#) [Edit](#)

**Event 3** 03/01/2024 789 Market St 75 people reserved [Delete](#) [Edit](#)

**Event 4** 04/01/2024 987 Center St 150 people reserved [Delete](#) [Edit](#)

+

Filename - 02-analysis/usecases/docs/22-create\_event.md

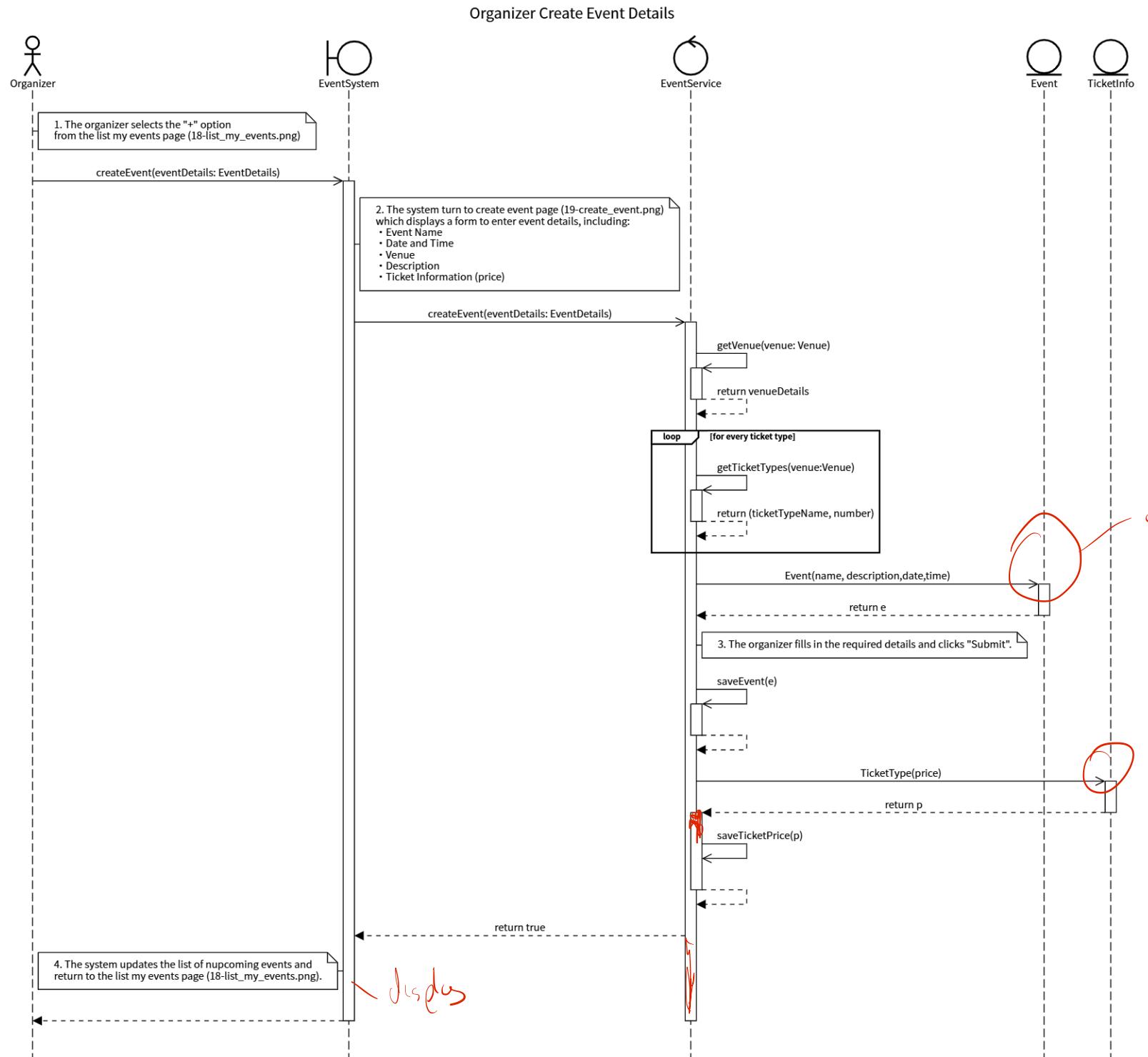
## 22 Create Event

### Basic Course of Events

1. The organizer selects the “+” option from the list my events page (18-list\_my\_events.png).
2. The system turn to create event page (19-create\_event.png) which displays a form to enter event details, including:
  - Event Name
  - Date and Time
  - Venue
  - Description
  - Ticket Information (price)

3. The organizer fills in the required details and clicks “Submit”.
4. The system updates the list of upcoming events and return to the list my events page (18-list\_my\_events.png).

## Sequence Diagram



## Alternate Course of Events

- None

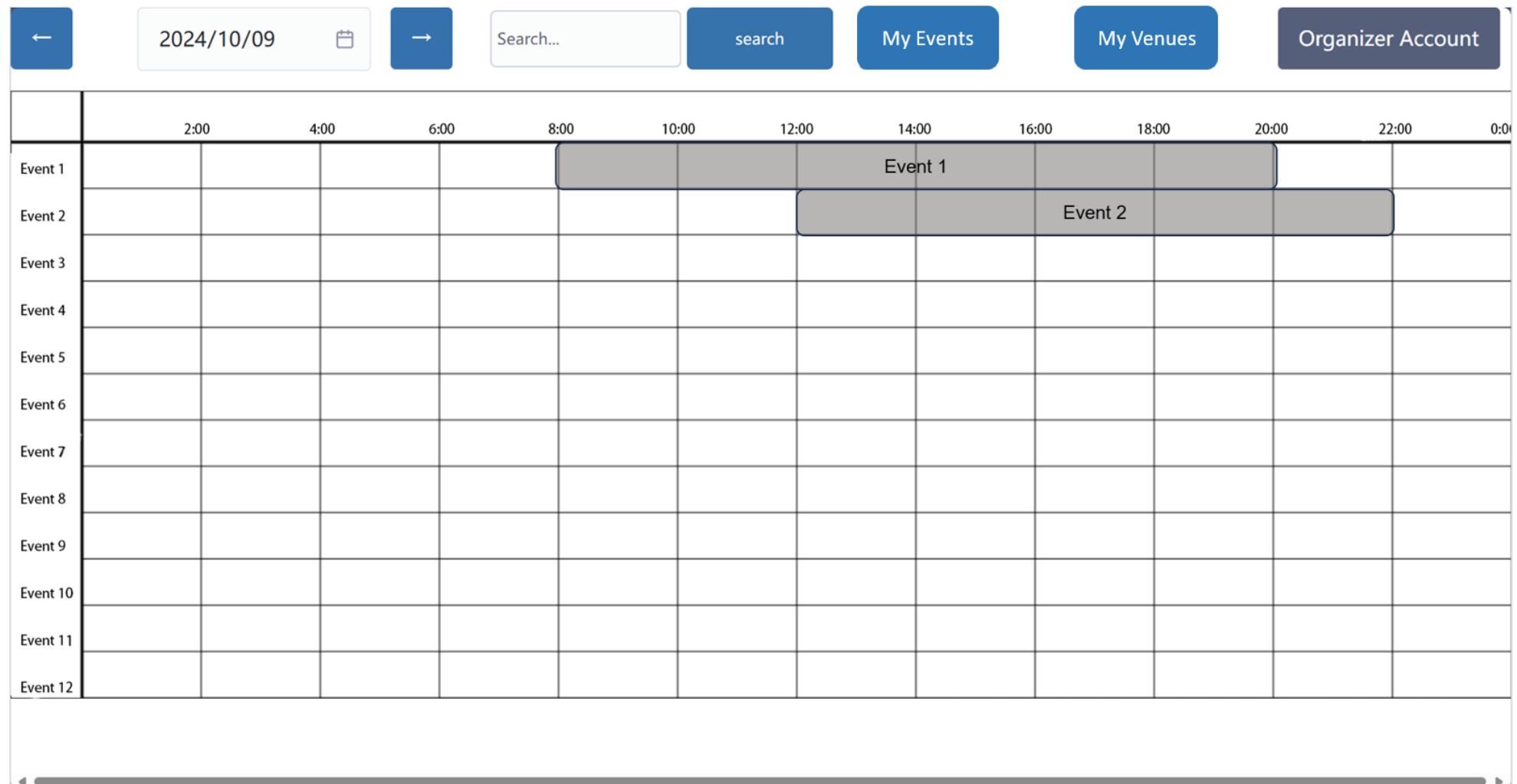
## Sequence Diagram— Alternate Course of Events

- None

## UI Sketches

This is the page that the user must be on at the start to complete the use case.

### Main Page



## Create Event

### Create Venue

#### Event Name

#### Event Address

#### Date

#### Time

#### Event Venue

### Local Contact Details

#### Organizer Name

#### Phone Number

#### Email

### Tickets Type Available

#### Total Capacity

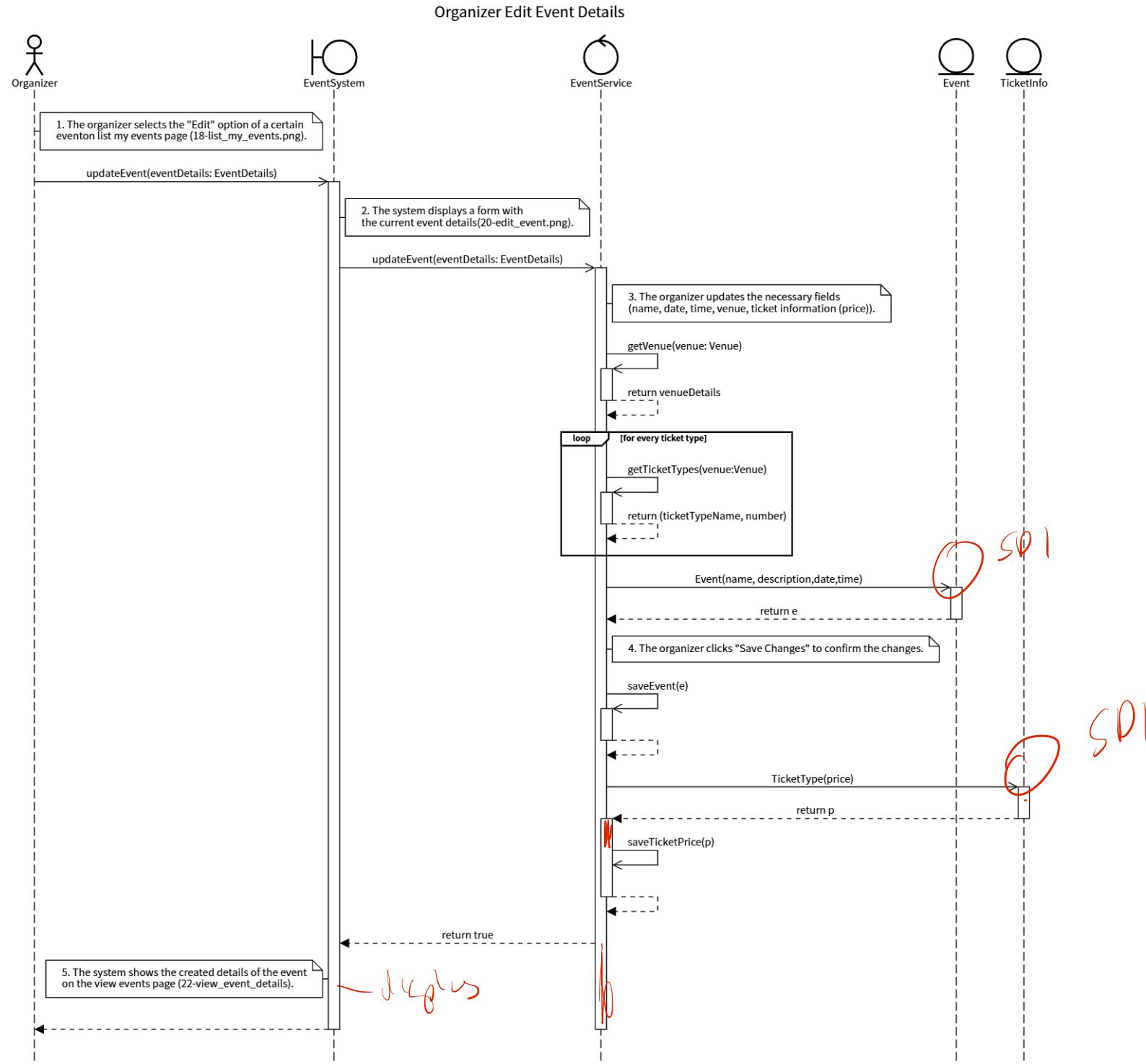
Ticket Type	Standing	Available Number	Price	
Ticket Type	Seated	Available Number	Price	
Ticket Type	Premium	Available Number	Price	

## 23 Edit Event

### Basic Course of Events

1. The organizer selects the “Edit” option of a certain event on list my events page (18-list\_my\_events.png).
2. The system displays a form with the current event details(20-edit\_event.png).
3. The organizer updates the necessary fields (name, date, time, venue, ticket information (price)).
4. The organizer clicks “Save Changes” to confirm the changes.
5. The system shows the created details of the event on the view events page (22-view\_event\_details).

## Sequence Diagram



## Alternate Course of Events

- None

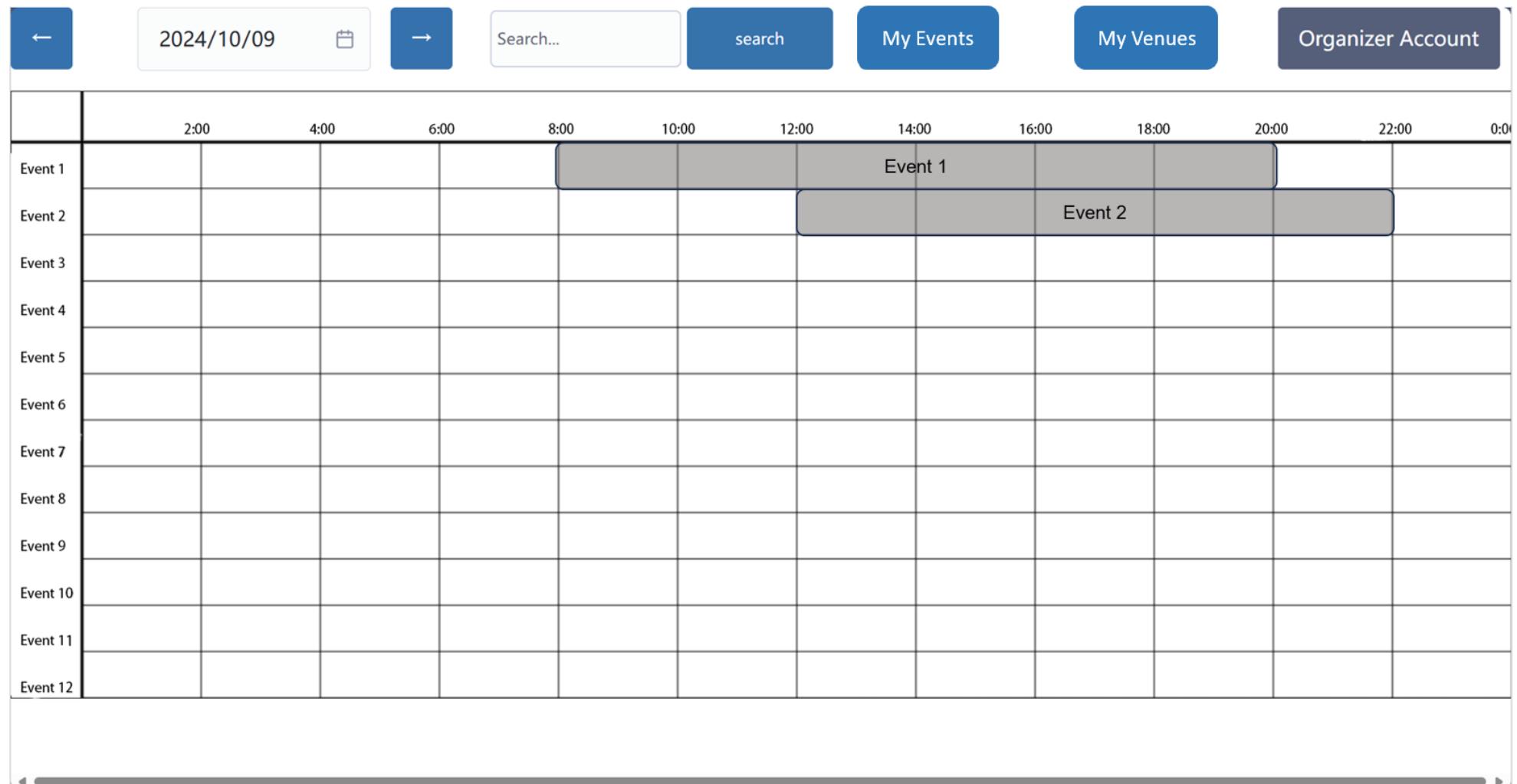
## Sequence Diagram— Alternate Course of Events

- None

## UI Sketches

This is the page that the user must be on at the start to complete the use case.

### Main Page



## Edit Event

### Edit Venue

#### Event Name

Event 1

#### Event Address

123 Main st

#### Date

2024/10/24

#### Time

8:00

#### Event Venue

Venue 1

### Local Contact Details

#### Organizer Name

Organizer1

#### Phone Number

1234567

#### Email

organizer@outlook.com

### Tickets Type Available

#### Total Capacity

700

#### Ticket Type

Standing

Available  
Number

500

Price

50

#### Ticket Type

Seated

Available  
Number

100

Price

100

#### Ticket Type

Premium

Available  
Number

100

Price

150

[Cancel Changes](#)

[Save Changes](#)

## **Event Details**

The system shows the created details of the event on the view events page (22-view\_event\_details).

## Edit Venue

### Event Name

### Event Address

### Date

### Time

### Event Venue

### Local Contact Details

#### Organizer Name

#### Phone Number

#### Email

### Tickets Type Available

#### Total Capacity

#### Ticket Type

#### Ticket Type

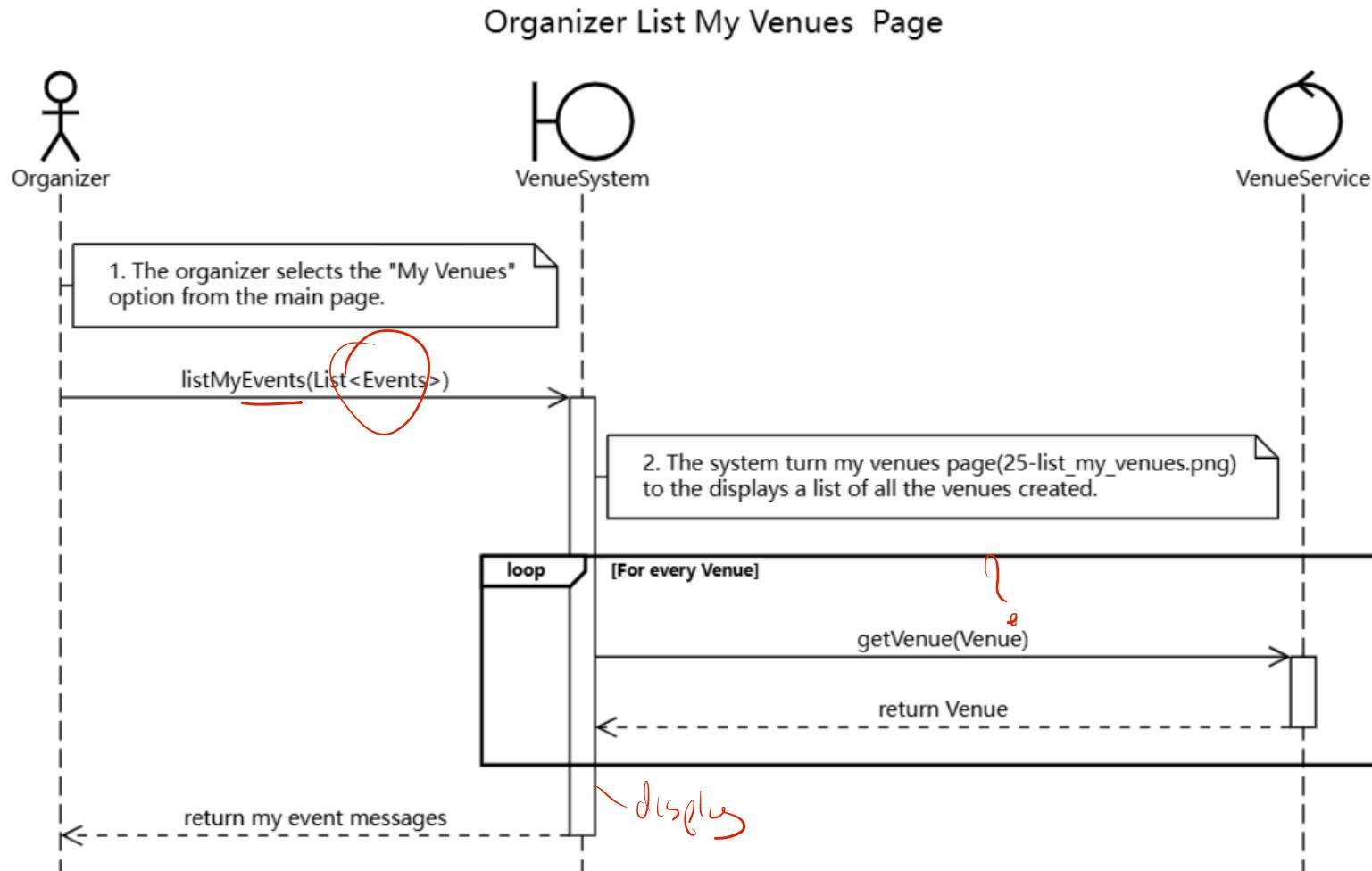
#### Ticket Type

## 24 List My Venues

### Basic Course of Events

1. The organizer selects the "My Venues" option from the main page.
2. The system turn my venues page(25-list\_my\_venues.png) to the displays a list of all the venues created.

### Sequence Diagram



## Alternate Course of Events

### No Venues Found

- If the organizer has not created any venues, the system displays a message indicating that no venues are available.

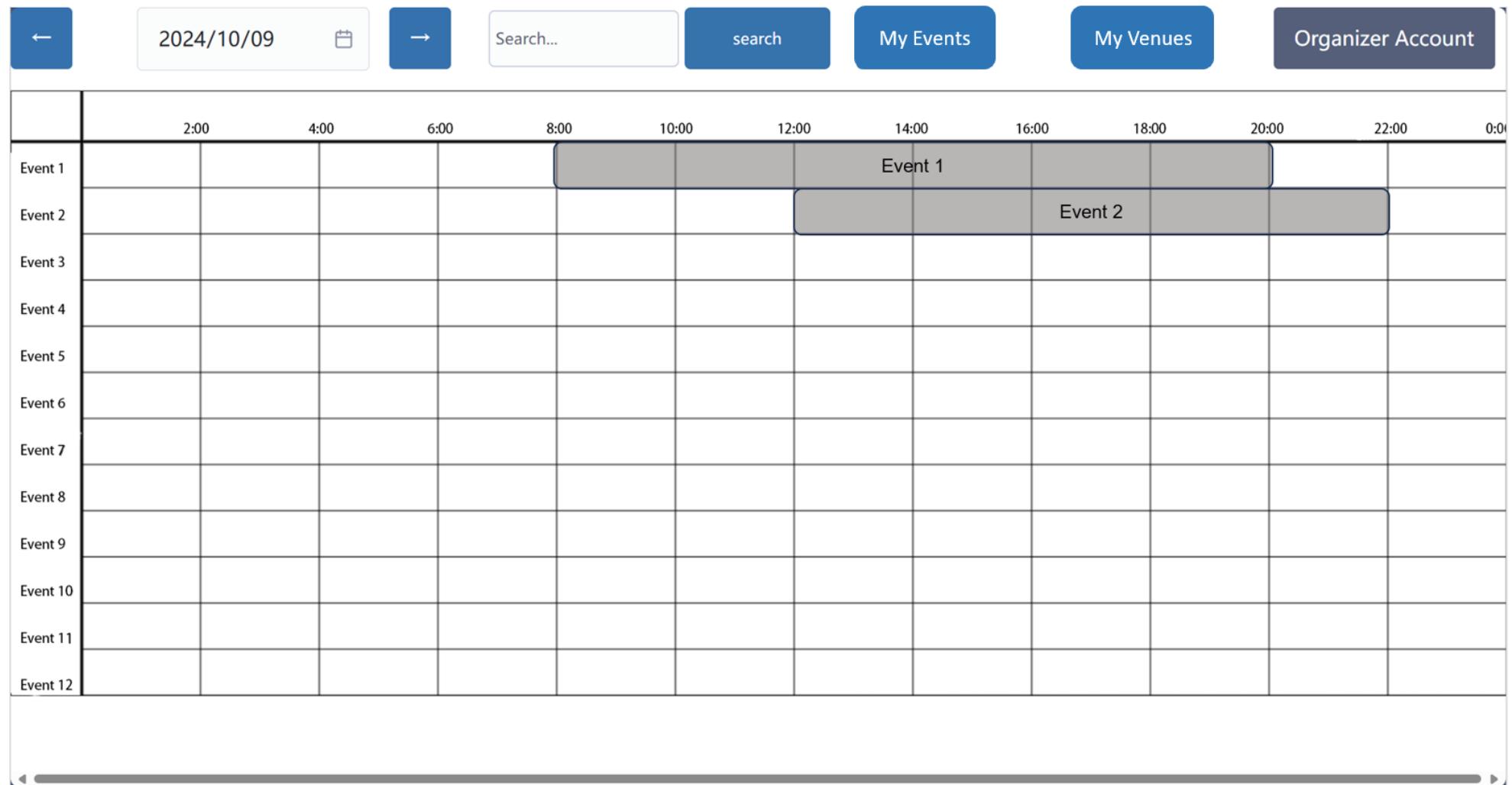
### Sequence Diagram— Alternate Course of Events

- None

### UI Sketches

This is the page that the user must be on at the start to complete the use case.

#### Main Page



## My Venues

Venue	Address	Reservations	Edit
Venue 1	123 Main St	50 people reserved	<a href="#">Edit</a>
Venue 2	456 Broadway	100 people reserved	<a href="#">Edit</a>
Venue 3	789 Market St	75 people reserved	<a href="#">Edit</a>
Venue 4	987 Center St	150 people reserved	<a href="#">Edit</a>

[Create Venue](#)

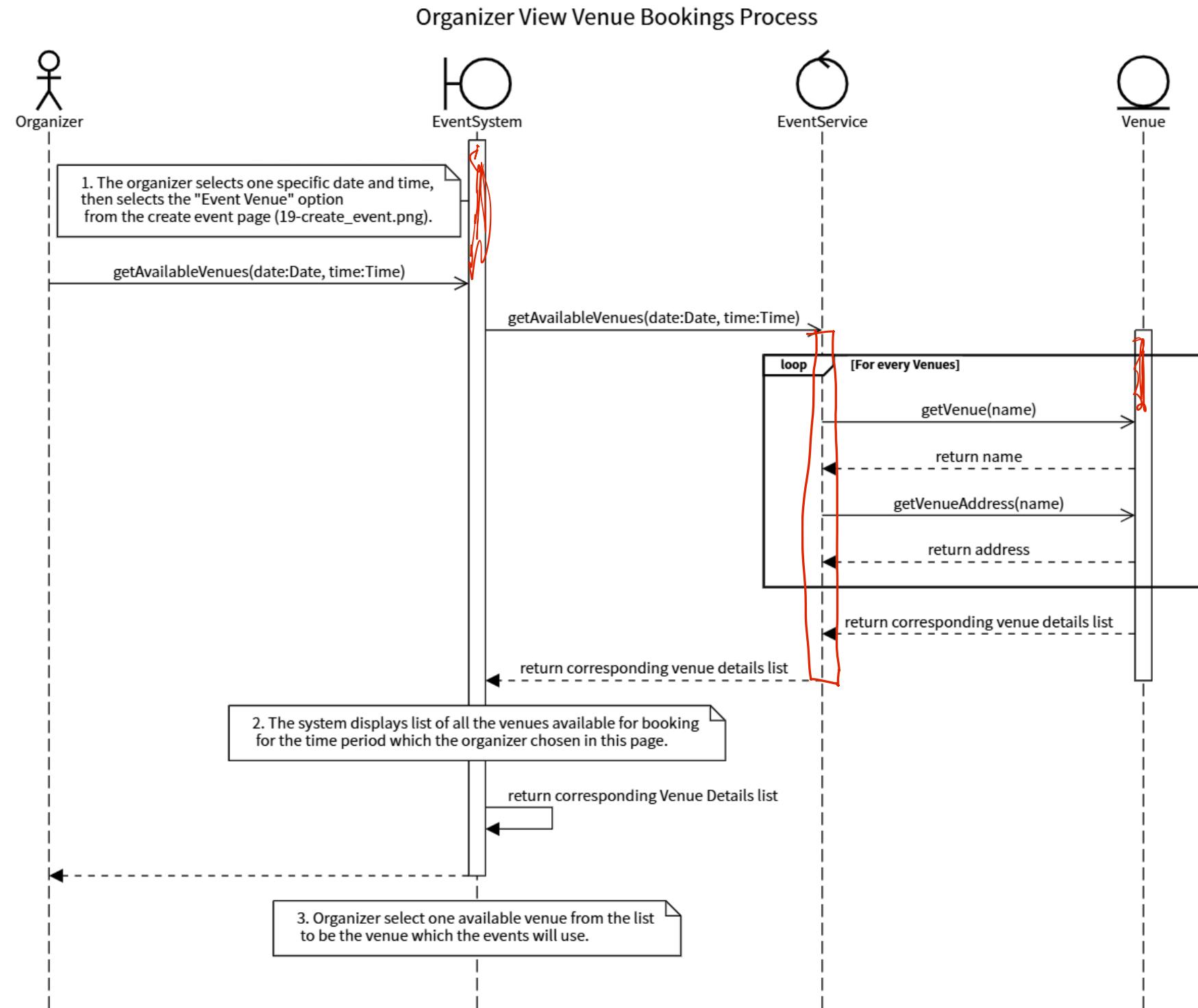
Filename - 02-analysis/usecases/docs/25-view\_venue\_bookings.md

## 25 View Venue Bookings

### Basic Course of Events

1. The organizer selects one specific date and time, then selects the “Event Venue” option from the create event page (19-create\_event.png).
2. The system displays list of all the venues available for booking for the time period which the organizer chosen in this page.
3. Organizer select one available venue from the list to be the venue which the events will use.

## Sequence Diagram



## **Alternate Course of Events**

### **Venue Not Found**

- If the selected venue does not exist, the system displays an error message and prompts the organizer to select a valid venue.

### **Sequence Diagram— Alternate Course of Events**

- None

### **UI Sketches**

This is the page that the user must be on at the start to complete the use case.

## Create Venue

### Event Name

Venue Name

### Event Address

Venue Address

### Date

Date

### Time

Time

### Event Venue

Event Venue

## Local Contact Details

### Organizer Name

Organizer Name

### Phone Number

Contact Phone Number

### Email

Contact Email

## Tickets Type Available

### Total Capacity

Total Capacity

#### Ticket Type

Standing

Available  
Number

500

Price

#### Ticket Type

Seated

Available  
Number

100

Price

#### Ticket Type

Premium

Available  
Number

100

Price

[Cancel Changes](#)

[Save Changes](#)



## Available Venues

Venue 1	123 Main St	50 people reserved
Venue 2	456 Broadway	100 people reserved
Venue 3	789 Market St	75 people reserved
Venue 4	987 Center St	150 people reserved

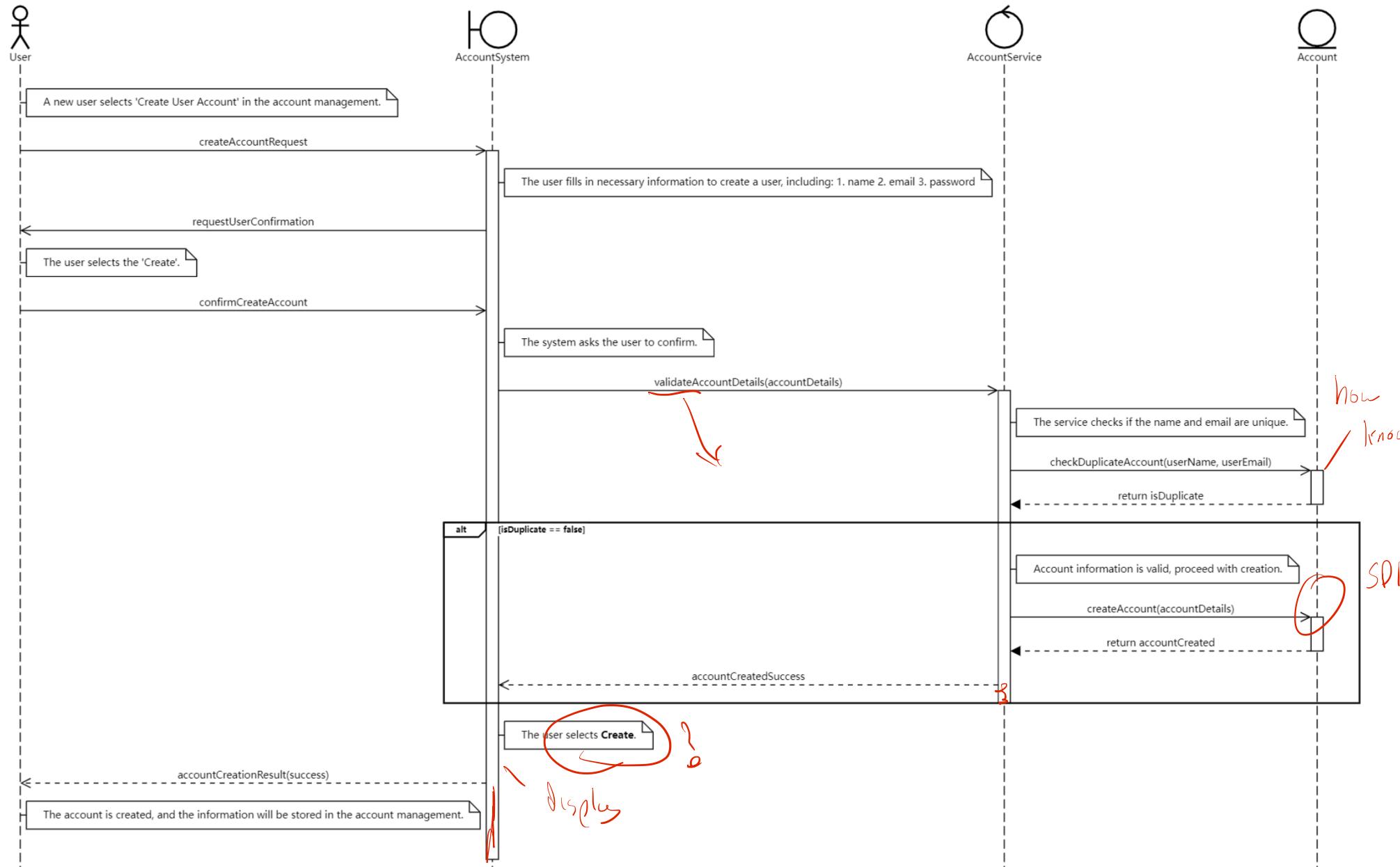
## 26 Register Account

### Basic Course of Events

- A new user select ‘Create User Account’ in the account management.
- The user fill in necessary information to create a user, including:
  1. name
  2. email
  3. password
- The user selects the ‘Create’.
- The system asks the user to confirm.
- The user select **Create**.
- The service checks if the name and email are unique.
- Account information is unique, return true.
- The account is created and the information will be stored in the account management.

## Sequence Diagram

Create User Account Sequence Diagram



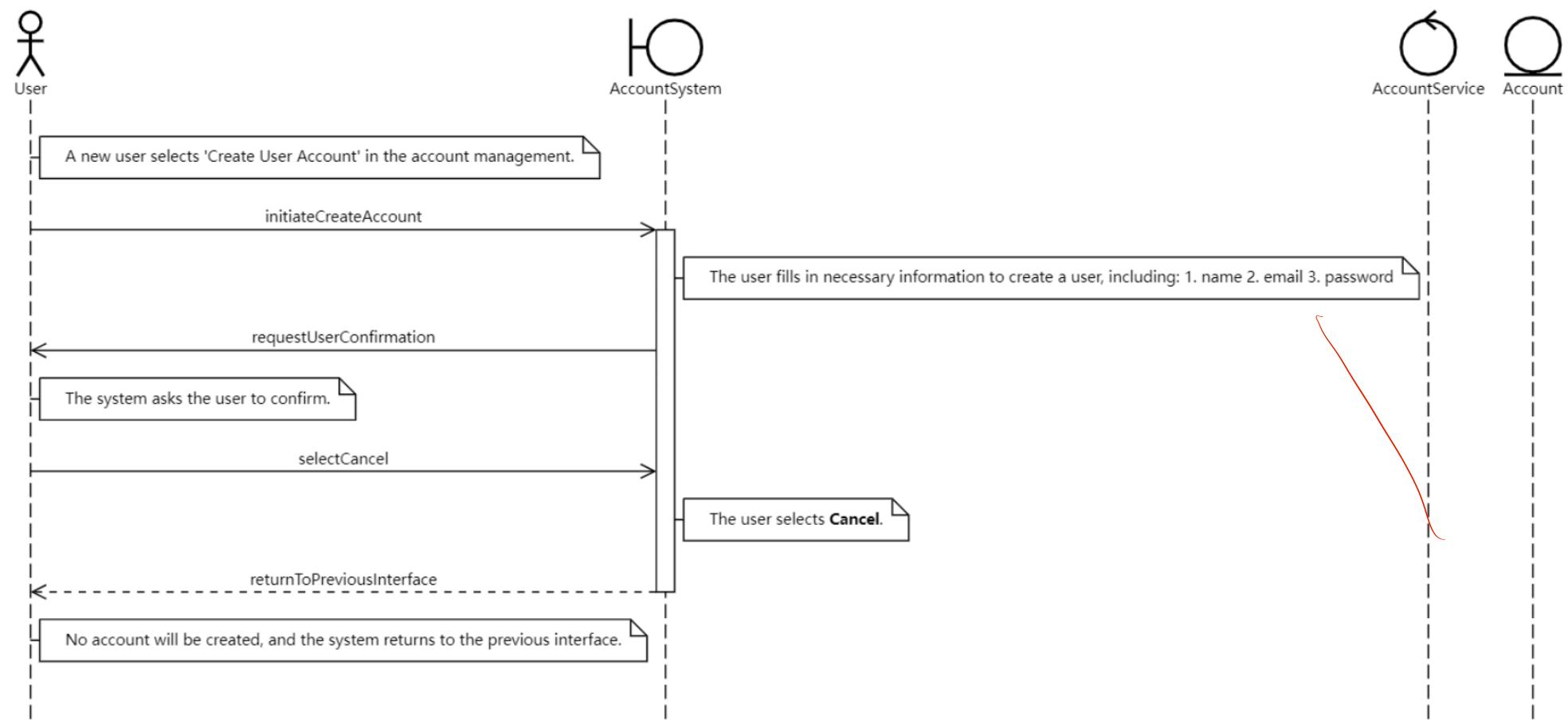
## Alternate Course of Events

### Do not Create

- A new user select 'Create User Account' in the account management.
- The user fill in necessary information to create a user, including:
  1. name
  2. email
  3. password
- The system asks the user to confirm.
- The user select **Cancel**.
- No account will be created and the system returns to the previous interface.

### Sequence Diagram— Alternate Course of Events

Create User Account Sequence Diagram

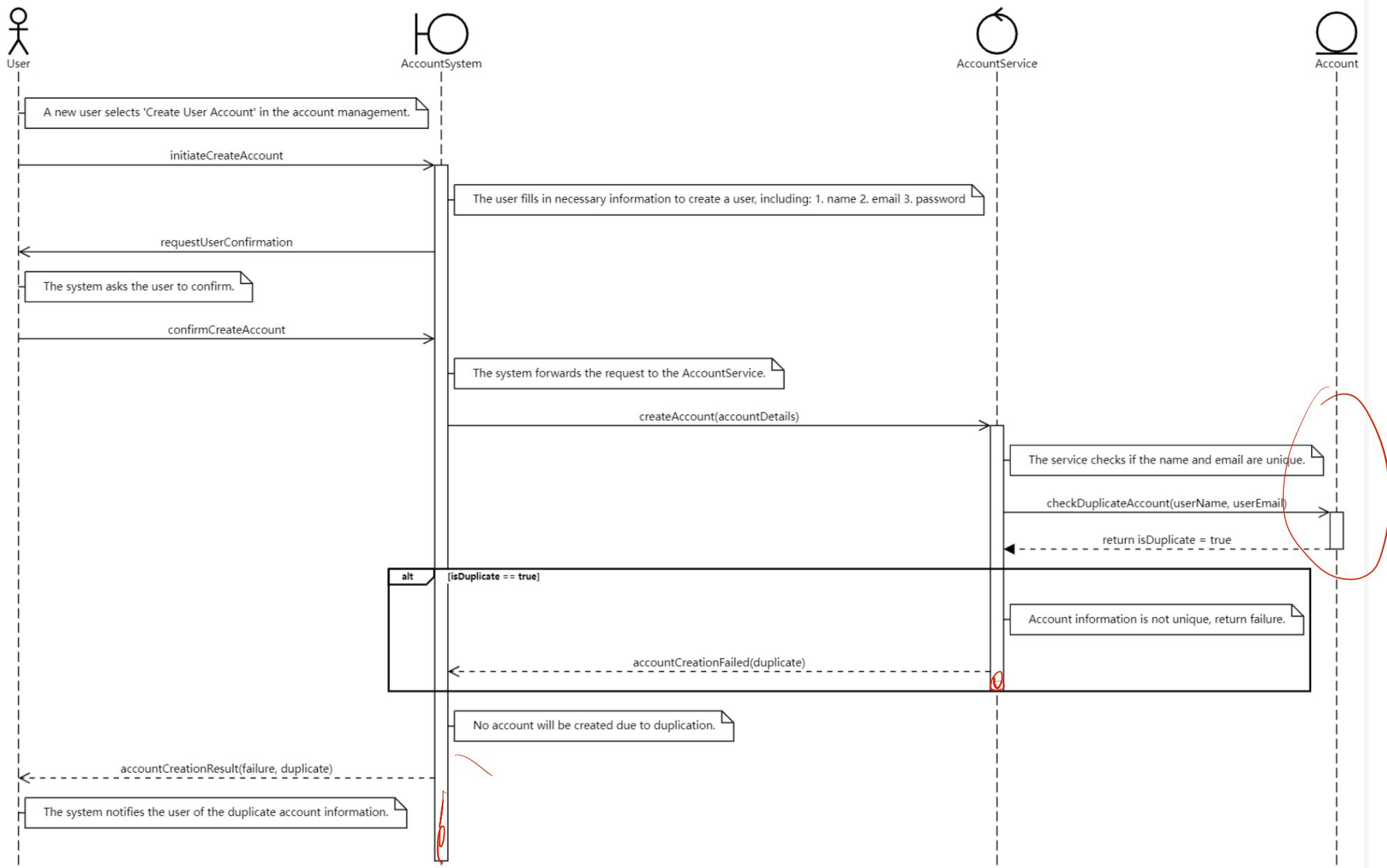


- A new user select ‘Create User Account’ in the account management.
- The user fill in necessary information to create a user, including:

1. name
  2. email
  3. password
- The user selects the ‘Create’.
  - The system asks the user to confirm.
  - The user select **Create**.
  - The service checks if the name and email are unique.
  - Account information is not unique, return failure.

## Sequence Diagram – Alternate Course of Events

Create User Account Sequence Diagram (with Duplicate Check)



## **UI Sketches**

### **Login**

This is the page that the user must be on at the start to complete the use case.

# Login

Email:

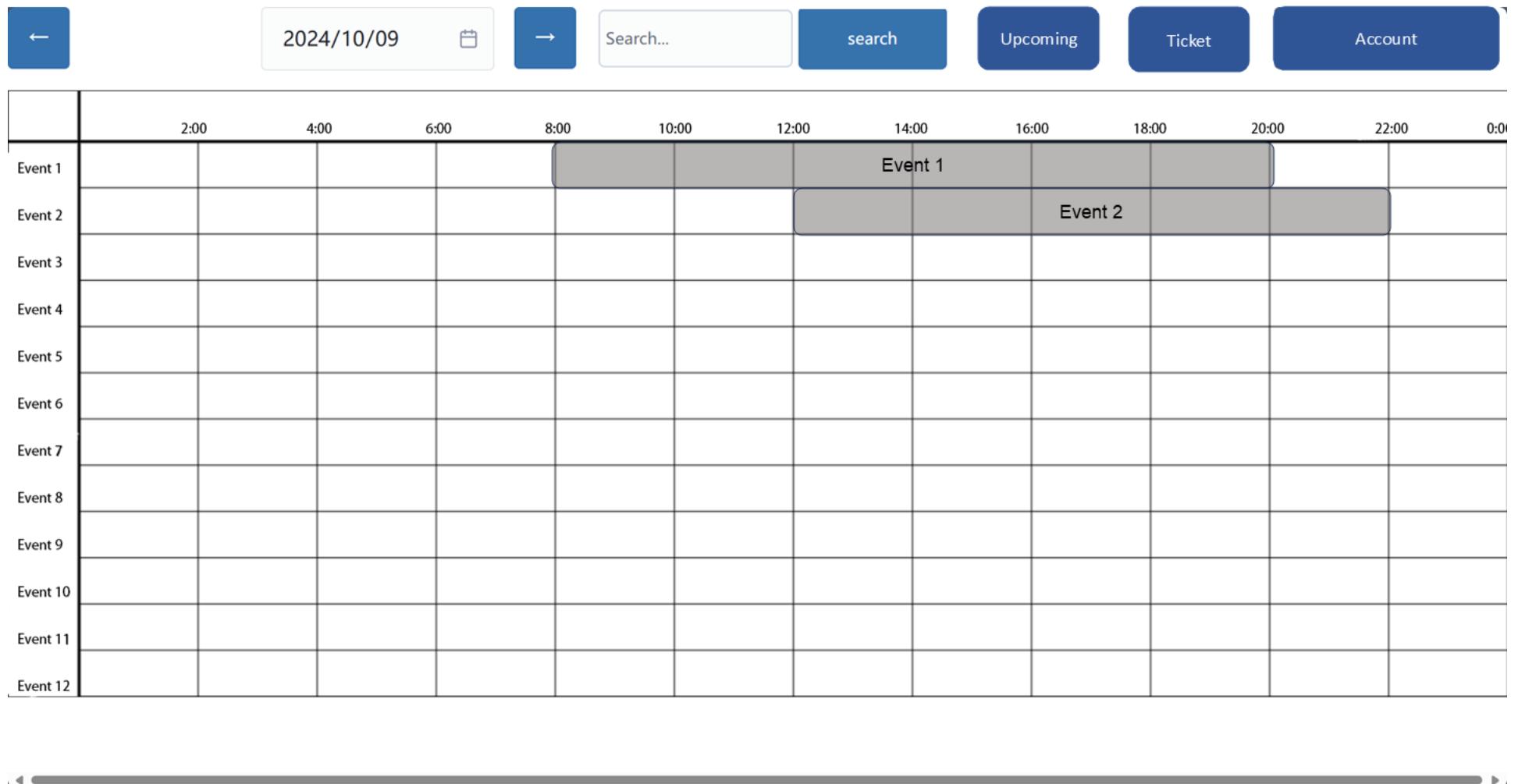
Password:

**Login**

Don't have an account? [Register here](#)

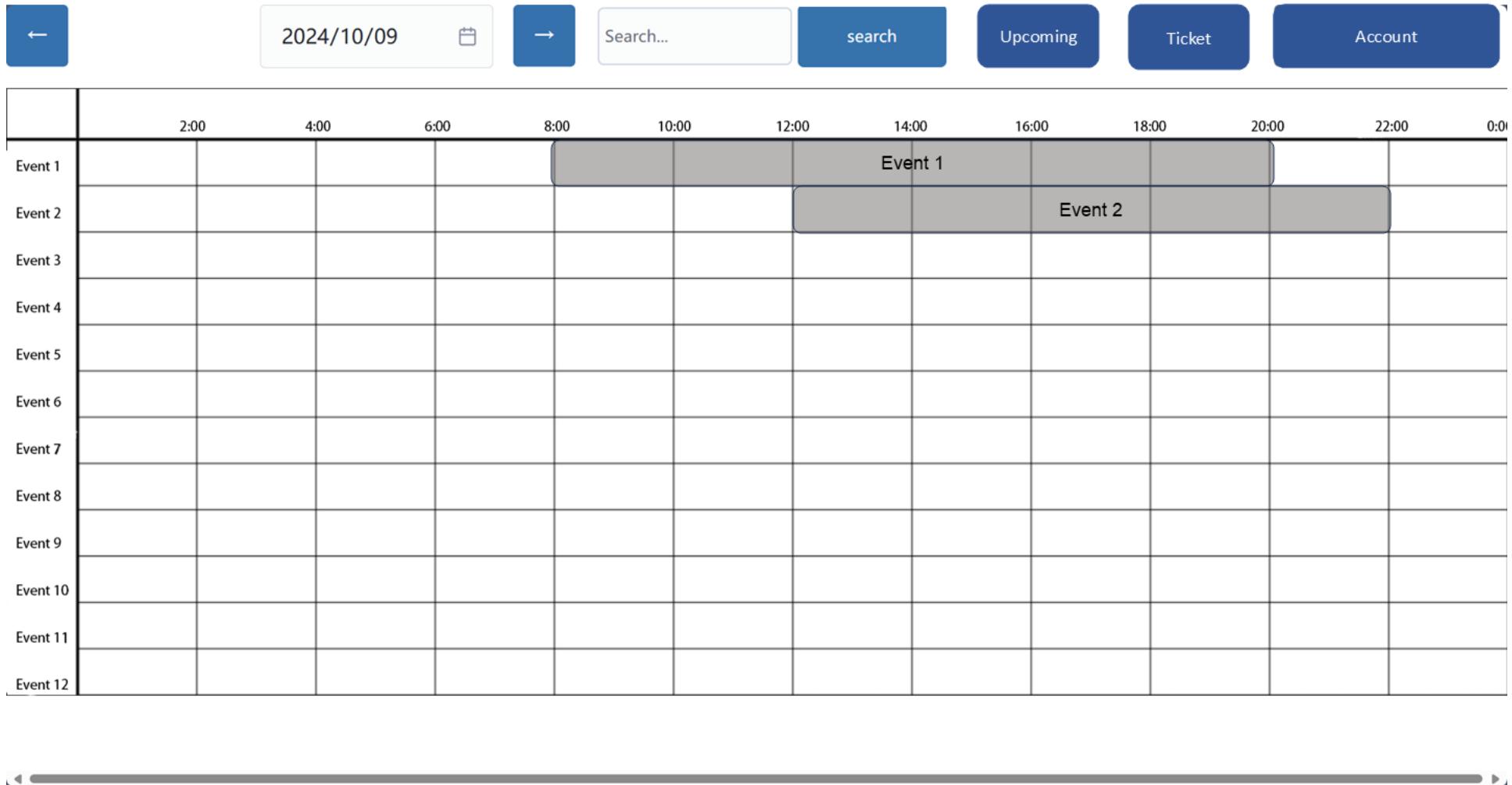
## Register Page

This page is taken to when the user has successfully registered.



## Main Page

This page is taken to when the user has successfully registered.



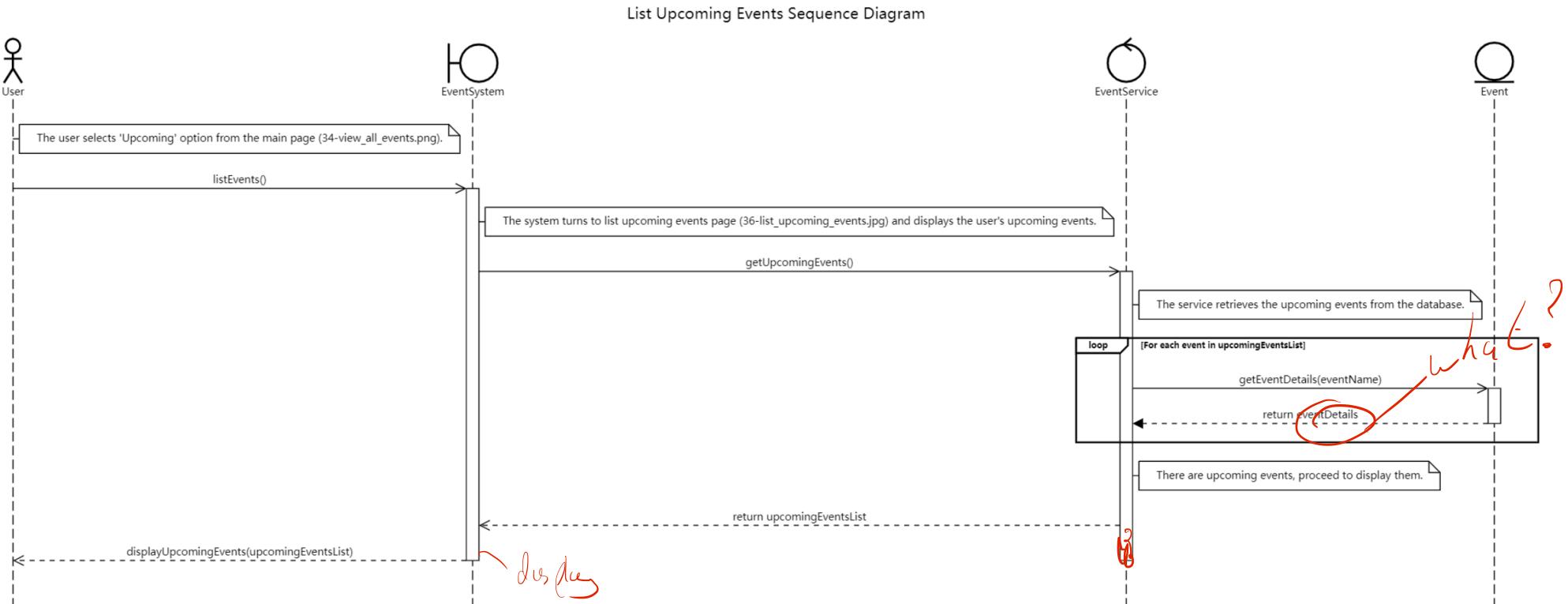
Filename - 02-analysis/usecases/docs/27-list\_upcoming\_events.md

## 27 List Upcoming Events

### Basic Course of Events

- The user selects ‘Upcoming’ option from the main page (34-view\_all\_events.png).
- The system turns to the list upcoming events page (36-list\_upcoming\_events.jpg) and displays the user’s upcoming events.
- The system retrieves the upcoming events from the database.
- For each event in the upcoming events list, the system fetches event details.
- If there are upcoming events, the system proceeds to display them.

## Sequence Diagram

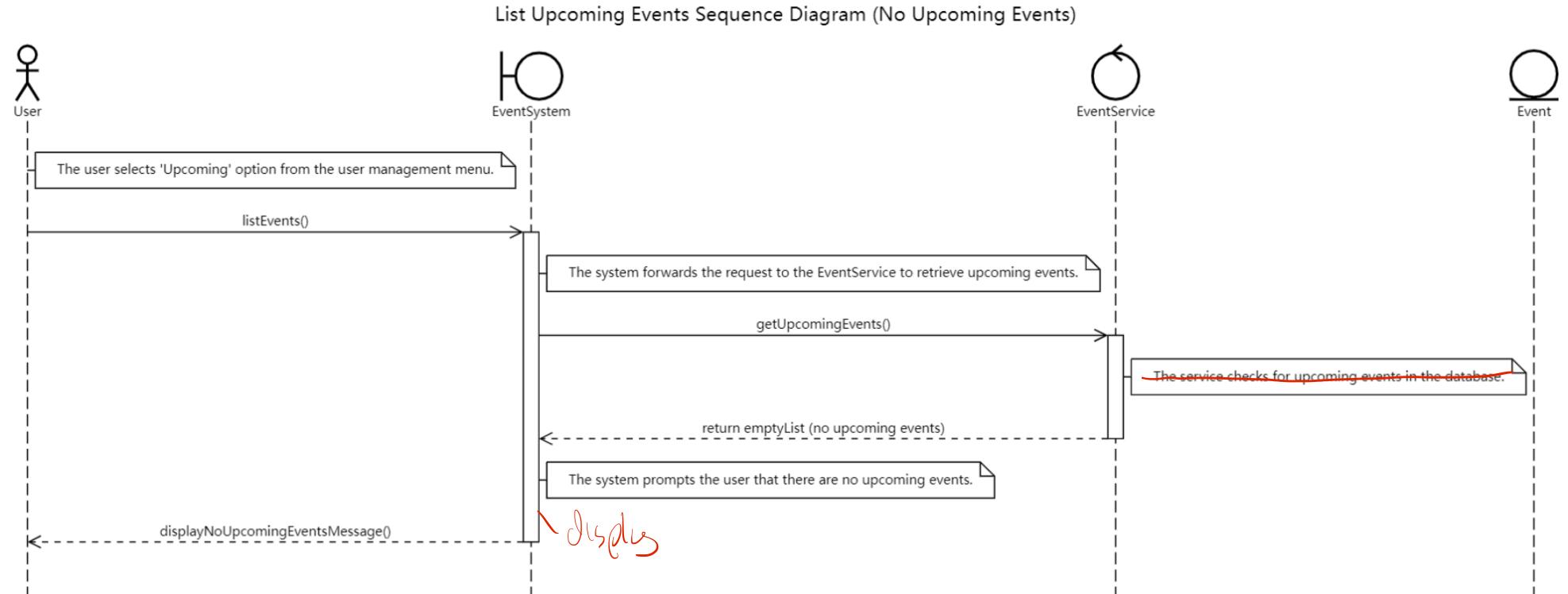


## Alternate Course of Events

### No Upcoming Events

- The user selects 'Upcoming' option from the user management menu.
- The system forwards the request to the EventService to retrieve upcoming events.
- The service checks for upcoming events in the database and finds none.
- The system prompts the user that there are no upcoming events.

## Sequence Diagram – Alternate Course of Events



## UI Sketches

### Main Page

This is the page where the user selects the 'Upcoming' option to view their upcoming events.



2024/10/09



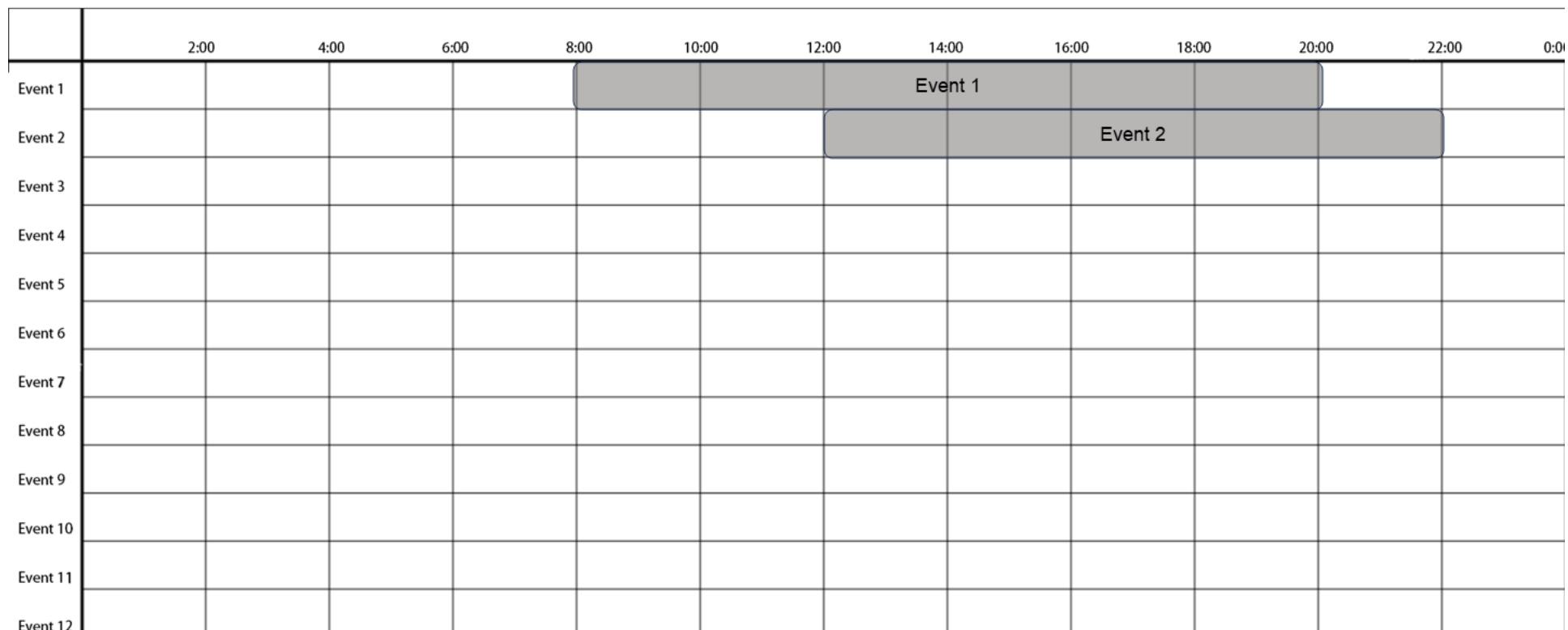
Search...

search

Upcoming

Ticket

Account



## List Upcoming Events Page

This page displays the user's upcoming events if available. If there are no upcoming events, a message will be shown indicating that no events are available.

## Available Events

- |                |            |               |                     |                         |
|----------------|------------|---------------|---------------------|-------------------------|
| <b>Event 1</b> | 01/01/2024 | 123 Main St   | 50 people reserved  | <a href="#">Buy it!</a> |
| <b>Event 2</b> | 02/01/2024 | 456 Broadway  | 100 people reserved | <a href="#">Buy it!</a> |
| <b>Event 3</b> | 03/01/2024 | 789 Market St | 75 people reserved  | <a href="#">Buy it!</a> |
| <b>Event 4</b> | 04/01/2024 | 987 Center St | 150 people reserved | <a href="#">Buy it!</a> |

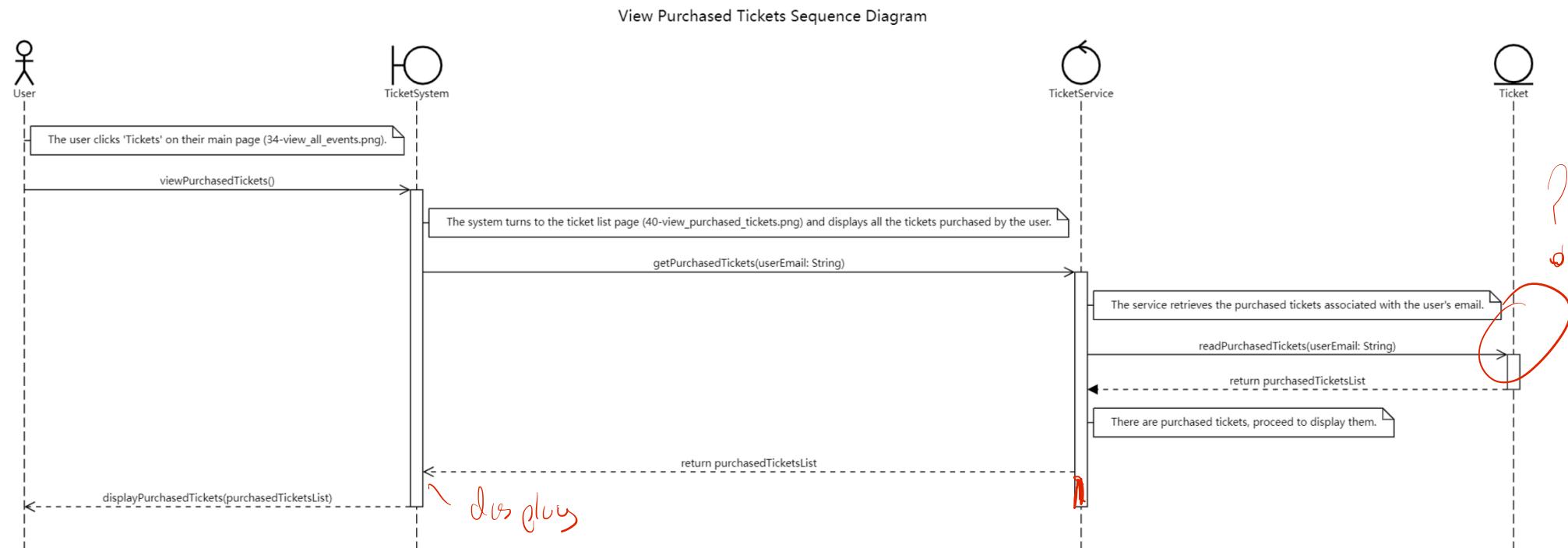
+

## 28 View Purchased Tickets

### Basic Course of Events

- The user clicks ‘Tickets’ on their main page (34-view\_all\_events.png).
- The system turns to the ticket list page (40-view\_purchased\_tickets.png) and displays all tickets purchased by the user.
- The system retrieves the purchased tickets associated with the user’s email from the database.
- If there are purchased tickets, the system proceeds to display them on the ticket list page.

### Sequence Diagram

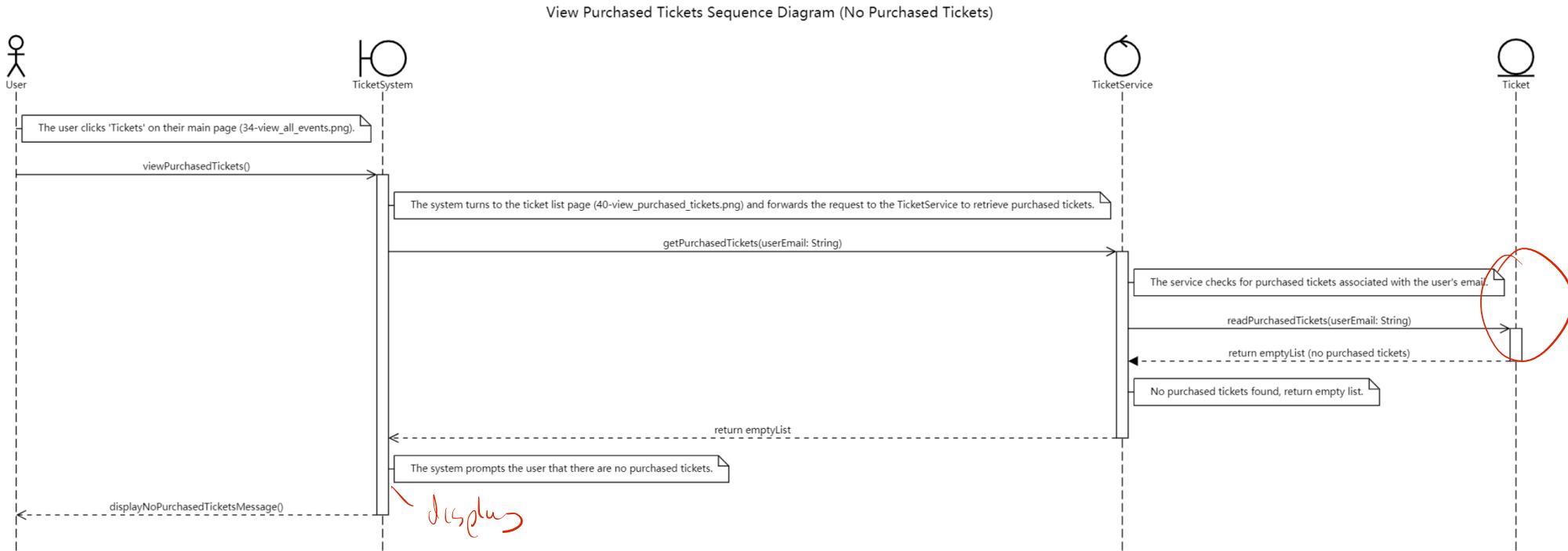


### Alternate Course of Events

#### No Purchased Tickets

- The user clicks ‘Tickets’ on their main page (34-view\_all\_events.png).
- The system turns to the ticket list page (40-view\_purchased\_tickets.png) and requests the purchased tickets associated with the user’s email.
- The service checks for any purchased tickets associated with the user and finds none.
- The system displays a message to the user indicating that there are no purchased tickets.

## Sequence Diagram – Alternate Course of Events



## UI Sketches

### Main Page

This is the page where the user clicks on 'Tickets' to view their purchased tickets.



2024/10/09



Search...

search

Upcoming

Ticket

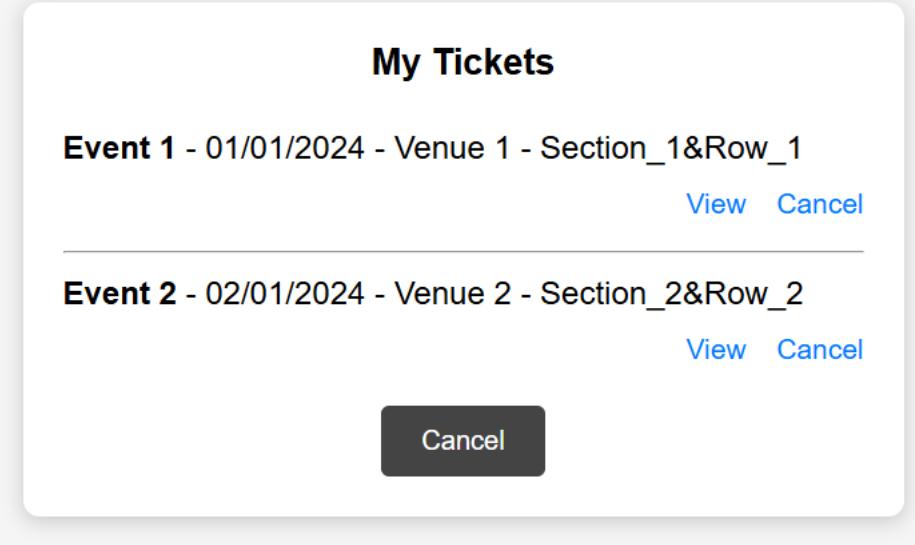
Account

	2:00	4:00	6:00	8:00	10:00	12:00	14:00	16:00	18:00	20:00	22:00	0:0
Event 1												
Event 2												
Event 3												
Event 4												
Event 5												
Event 6												
Event 7												
Event 8												
Event 9												
Event 10												
Event 11												
Event 12												



## Ticket List Page

This page displays all the tickets purchased by the user. If there are no purchased tickets, a message will indicate that there are no tickets available.



Filename - 02-analysis/usecases/docs/29-purchase\_ticket.md

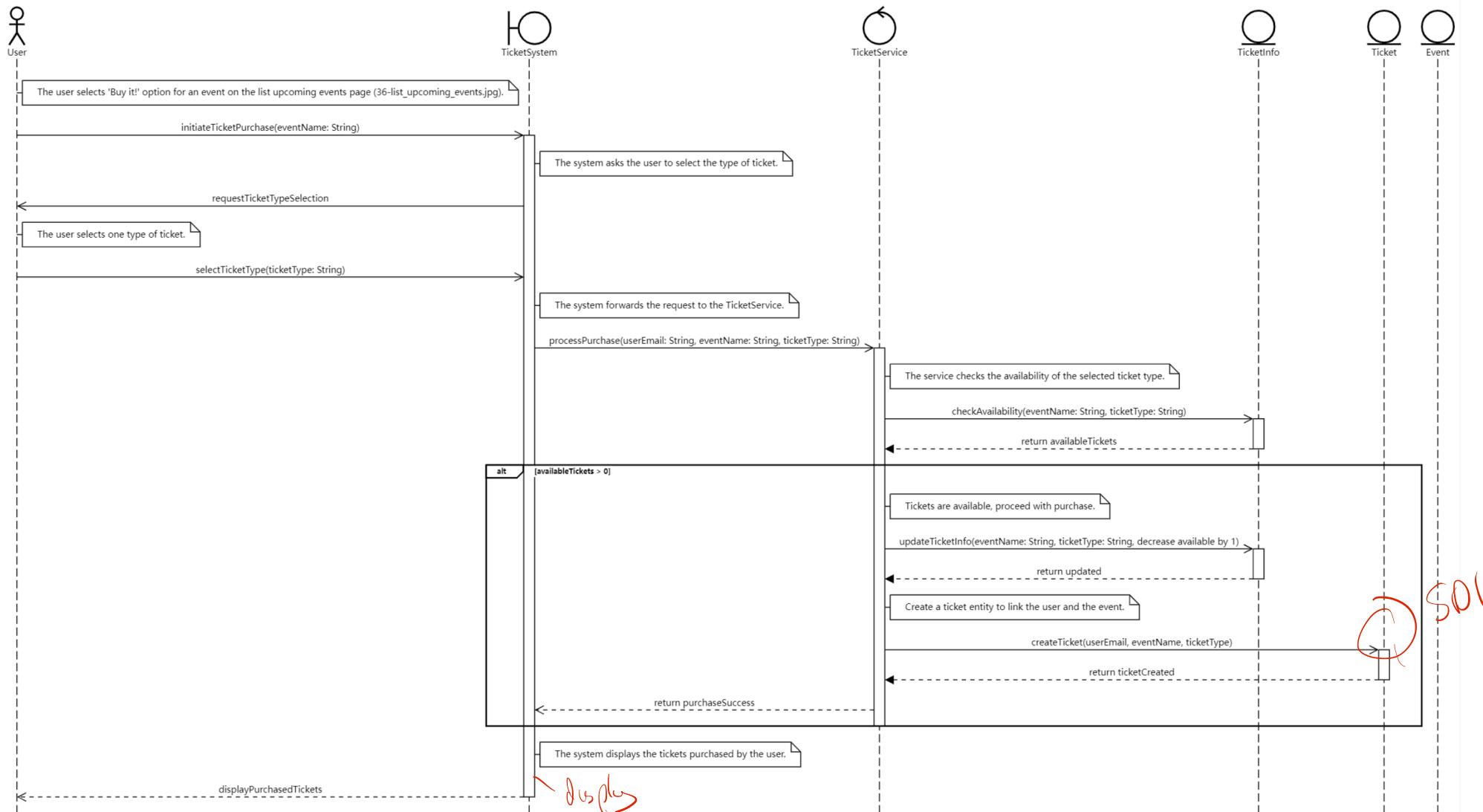
## 29 User Purchase Ticket

### Basic Course of Events

- The user selects 'Buy it!' option for an event on the list upcoming events page (36-list\_upcoming\_events.jpg).
- The system asks the user to select the type of ticket.
- The user selects a type of ticket.
- The system forwards the purchase request to the TicketService.
- The service checks the availability of the selected ticket type.
- If tickets are available, the system proceeds with the purchase by updating ticket information and creating a ticket entity.
- The system displays the tickets purchased by the user.

## Sequence Diagram

User Purchase Ticket Sequence Diagram



## Alternate Course of Events

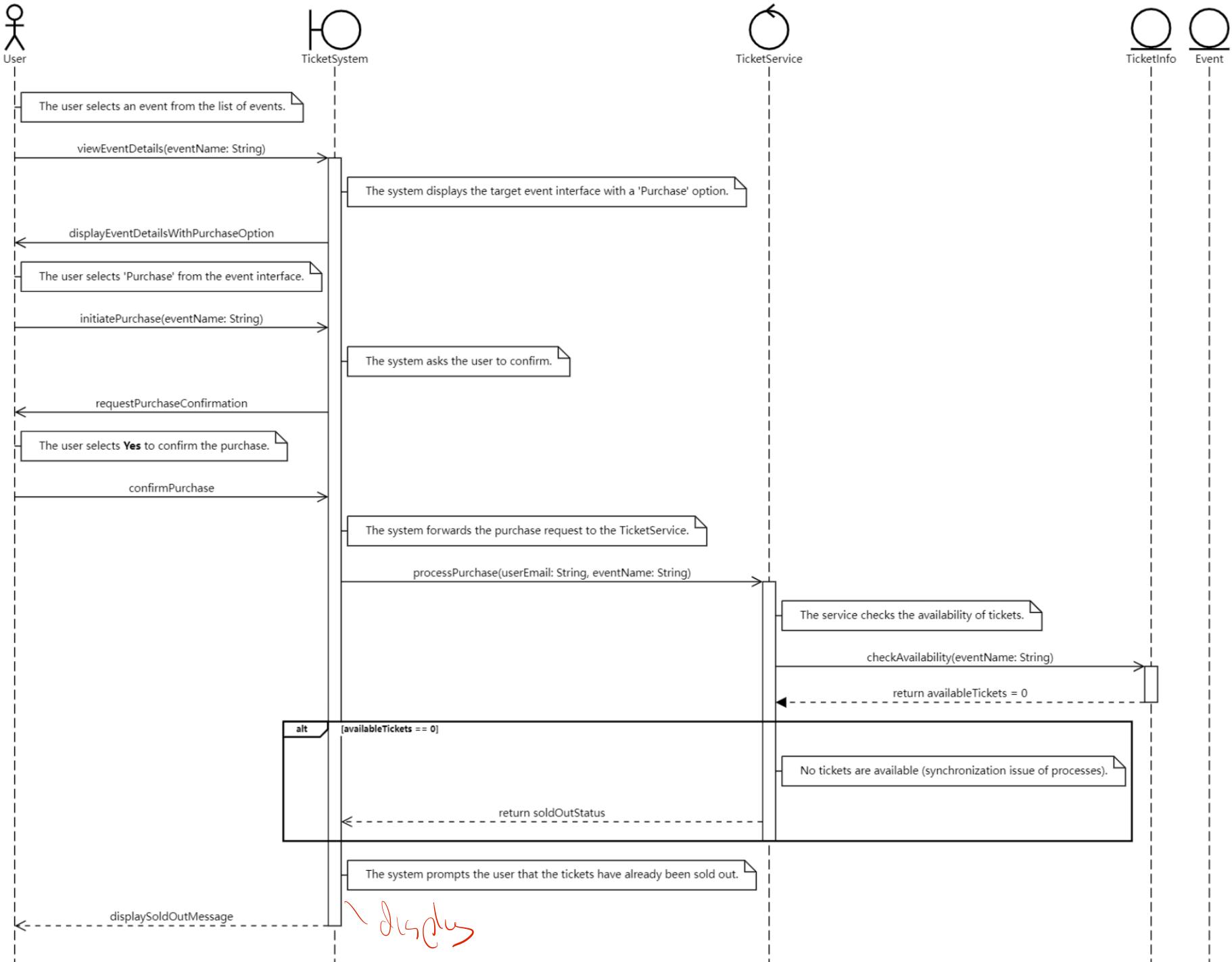
### Insufficient Tickets

- The user selects an event from the list of events.
- The system displays the event interface with a 'Purchase' option.
- The user selects 'Purchase'.
- The system asks the user to confirm.
- The user selects Yes to confirm the purchase.

- The service checks ticket availability and finds no tickets are available (due to synchronization issues).
- The system prompts the user that the tickets are sold out.

## Sequence Diagram – Alternate Course of Events

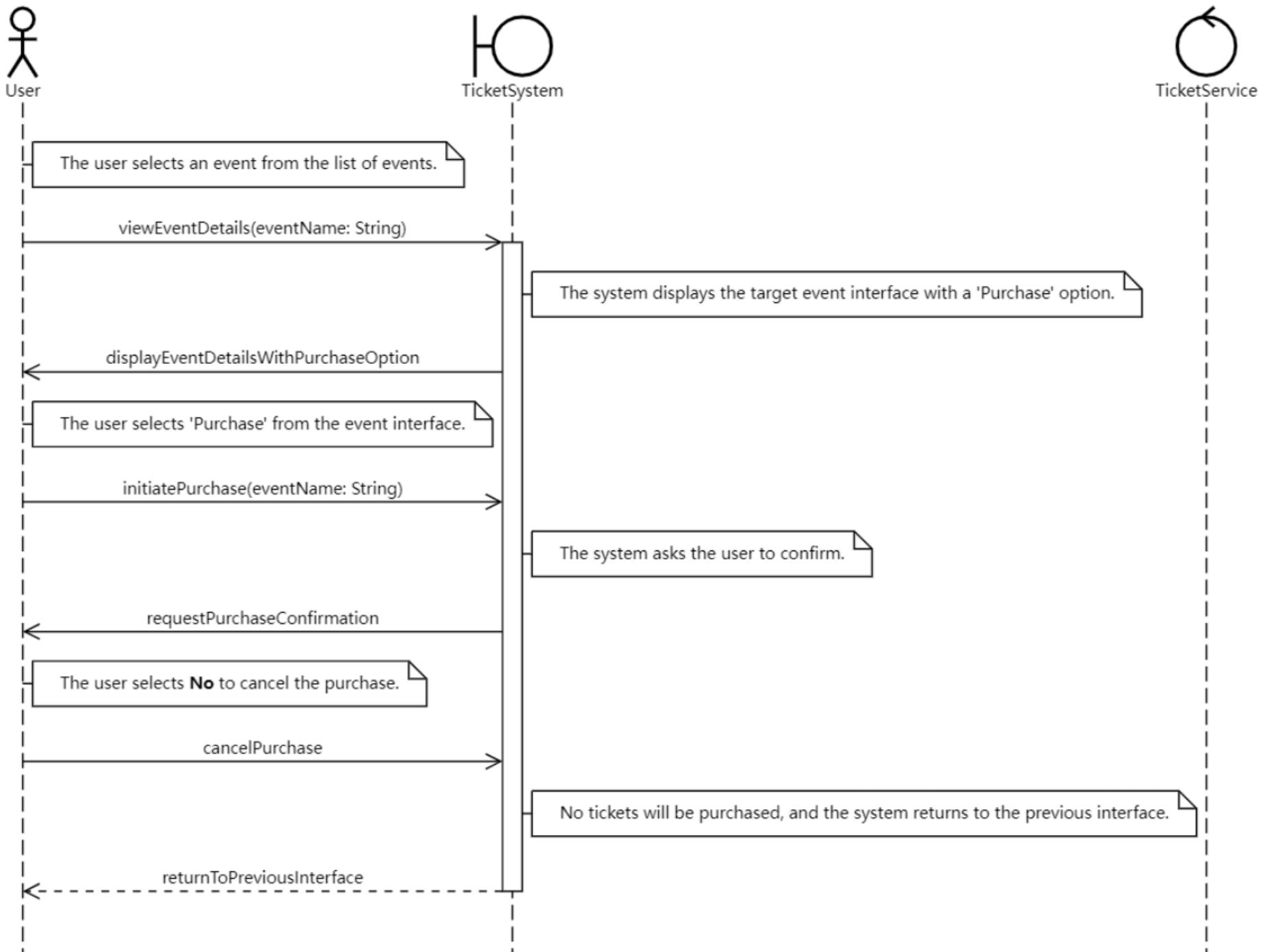
User Purchase Ticket Sequence Diagram (Insufficient Tickets)



### Select No

- The user selects an event from the list of events.
- The system displays the event interface with a 'Purchase' option.
- The user selects 'Purchase'.
- The system asks the user to confirm.
- The user selects **No** to cancel the purchase.
- The system returns to the previous interface without purchasing a ticket.

## User Purchase Ticket Sequence Diagram (Select No)



## UI Sketches

### List Upcoming Events Page

This page displays a list of upcoming events, allowing the user to select 'Buy it!' for ticket purchase.

## Available Events

**Event 1** 01/01/2024 123 Main St 50 people reserved [Buy it!](#)

**Event 2** 02/01/2024 456 Broadway 100 people reserved [Buy it!](#)

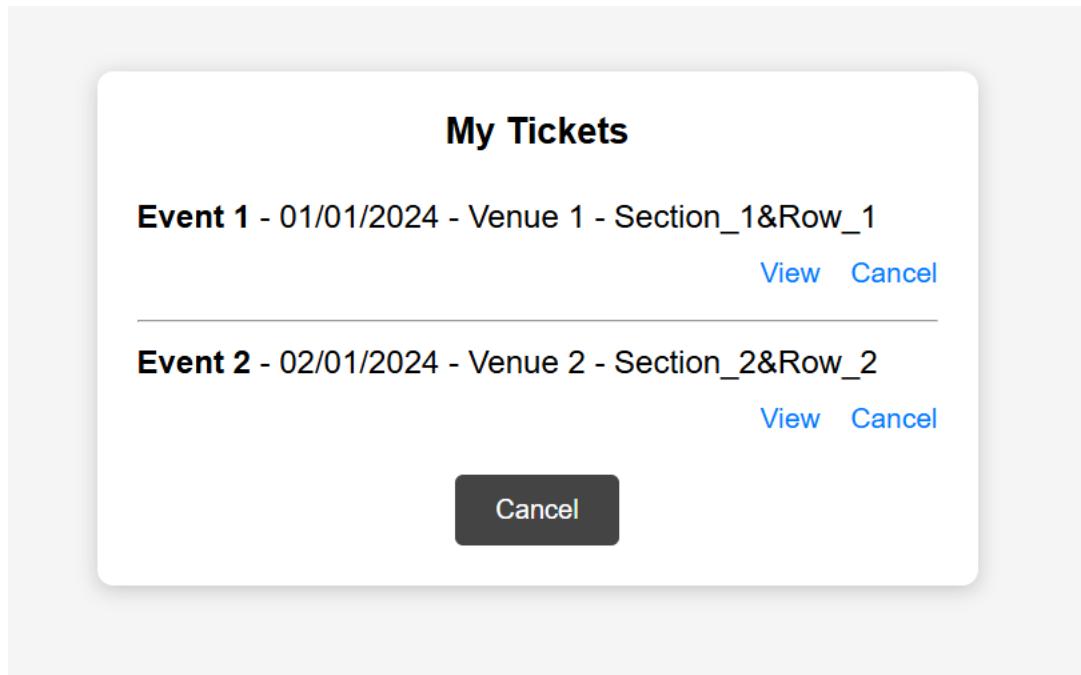
**Event 3** 03/01/2024 789 Market St 75 people reserved [Buy it!](#)

**Event 4** 04/01/2024 987 Center St 150 people reserved [Buy it!](#)



## Ticket List Page

This page shows the tickets purchased by the user after a successful purchase.



Filename - 02-analysis/usecases/docs/30-view\_ticket\_details.md

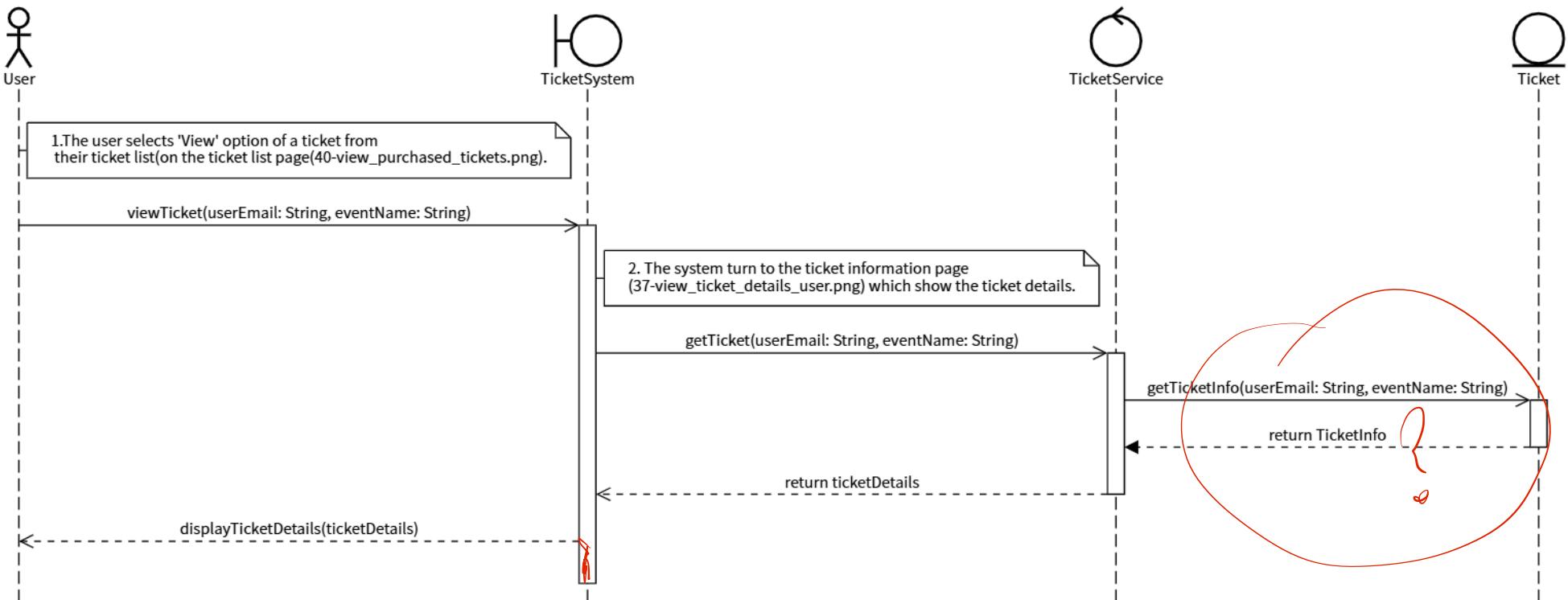
## 30 View Ticket Details

### Basic Course of Events

- The user selects 'View' option of a ticket from their ticket list(on the ticket list page(40-view\_purchased\_tickets.png)).
- The system turn to the ticket information page(37-view\_ticket\_details\_user.png) which show the ticket details.

## Sequence Diagram

View Ticket Details Sequence Diagram



## Alternate Course of Events

-None

## Sequence Diagram— Alternate Course of Events

-None

## UI Sketches

This is the page that the user must be on at the start to complete the use case.

## My Tickets

**Event 1 - 01/01/2024 - Venue 1 - Section\_1&Row\_1**

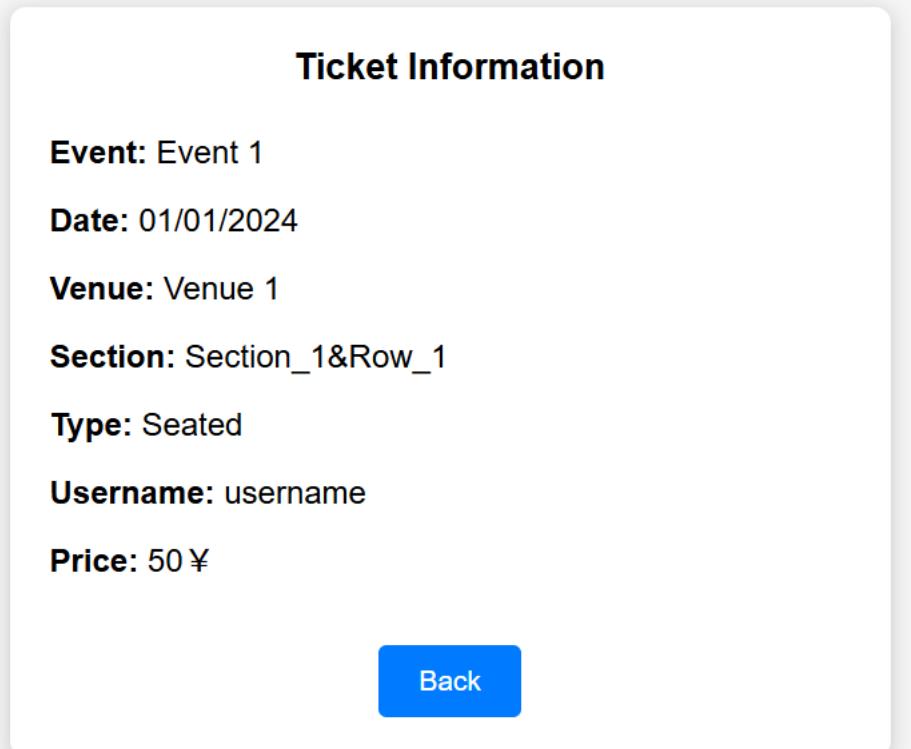
[View](#) [Cancel](#)

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**Event 2 - 02/01/2024 - Venue 2 - Section\_2&Row\_2**

[View](#) [Cancel](#)

[Cancel](#)



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Filename - 02-analysis/usecases/docs/31-cancel\_ticket.md

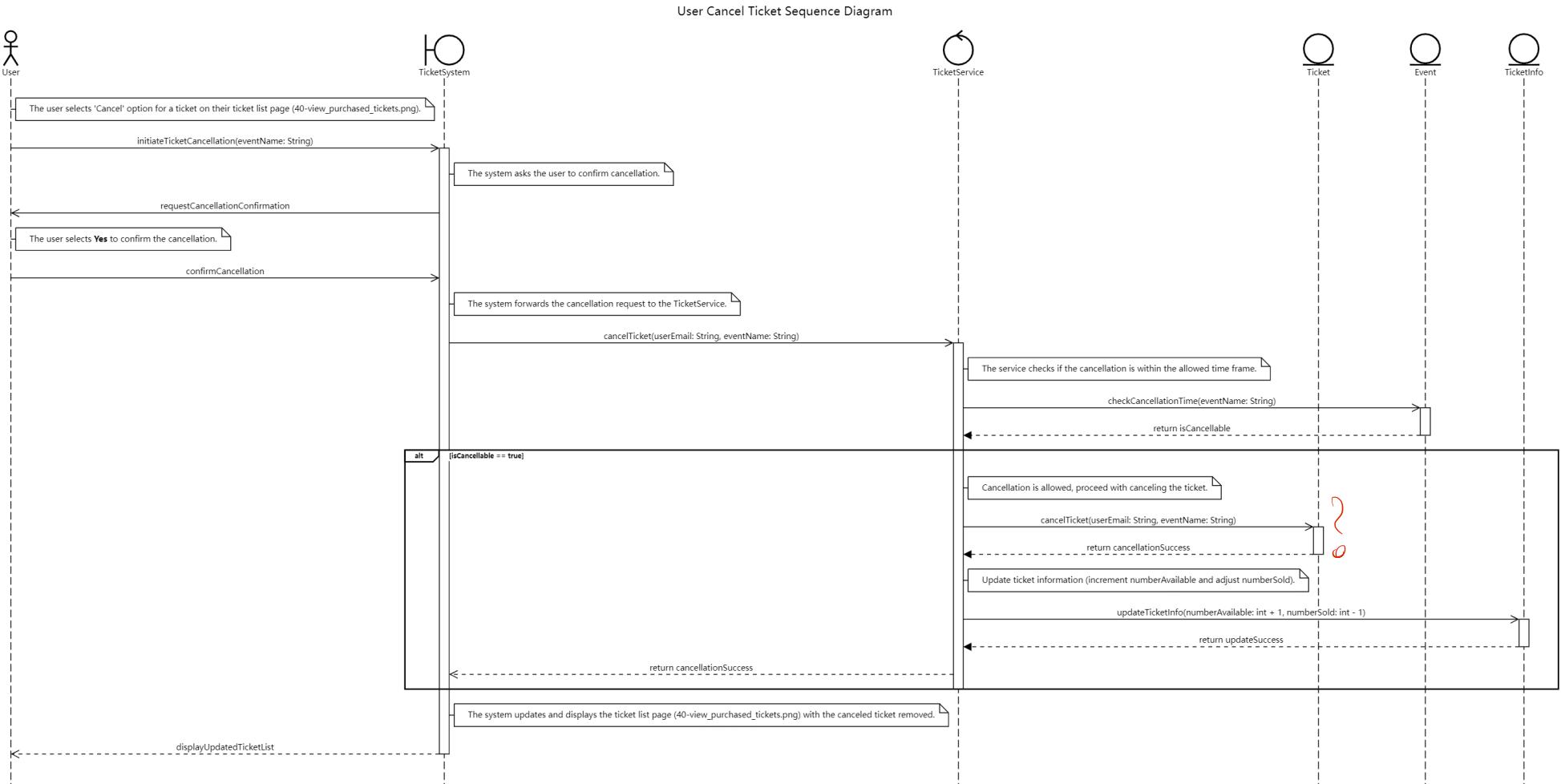
## 30 User Cancel Ticket

### Basic Course of Events

- The user selects ‘Cancel’ option for a ticket on their ticket list page (40-view\_purchased\_tickets.png).
- The system asks the user to confirm cancellation.
- The user selects **Yes** to confirm the cancellation.
- The system forwards the cancellation request to the TicketService.
- The service checks if the cancellation is within the allowed time frame.
- If cancellation is allowed, the system proceeds to cancel the ticket, update ticket availability, and adjust the sold count.

- The system updates and displays the ticket list page with the canceled ticket removed.

## Sequence Diagram



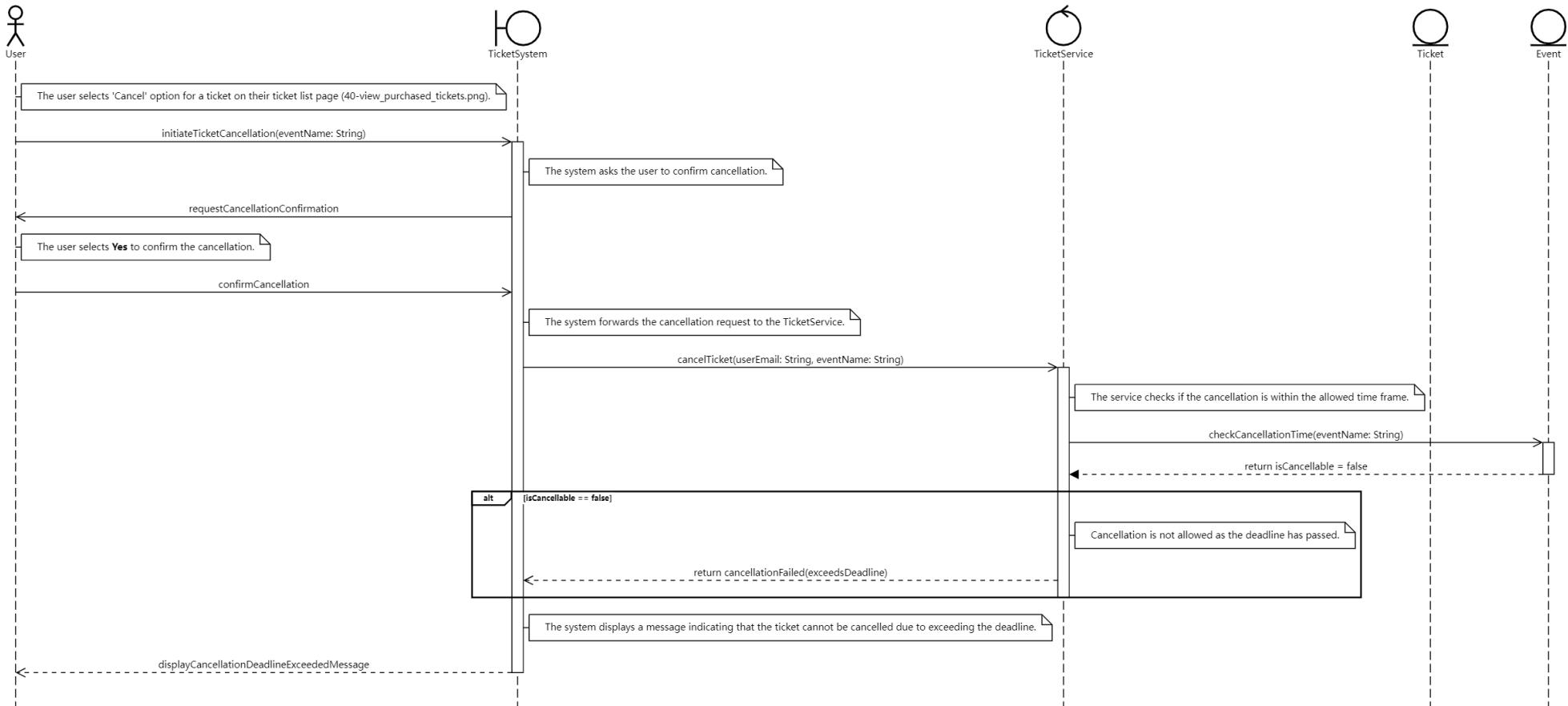
## Alternate Course of Events

### Exceeds Cancellation Deadline

- The user selects ‘Cancel’ option for a ticket on their ticket list page.
- The system asks the user to confirm cancellation.
- The user selects **Yes** to confirm.
- The service checks if the cancellation is within the allowed time frame and finds the deadline has passed.
- The system displays a message indicating that the ticket cannot be cancelled due to exceeding the deadline.

## Sequence Diagram – Alternate Course of Events

User Cancel Ticket Sequence Diagram (Exceeds Cancellation Deadline)

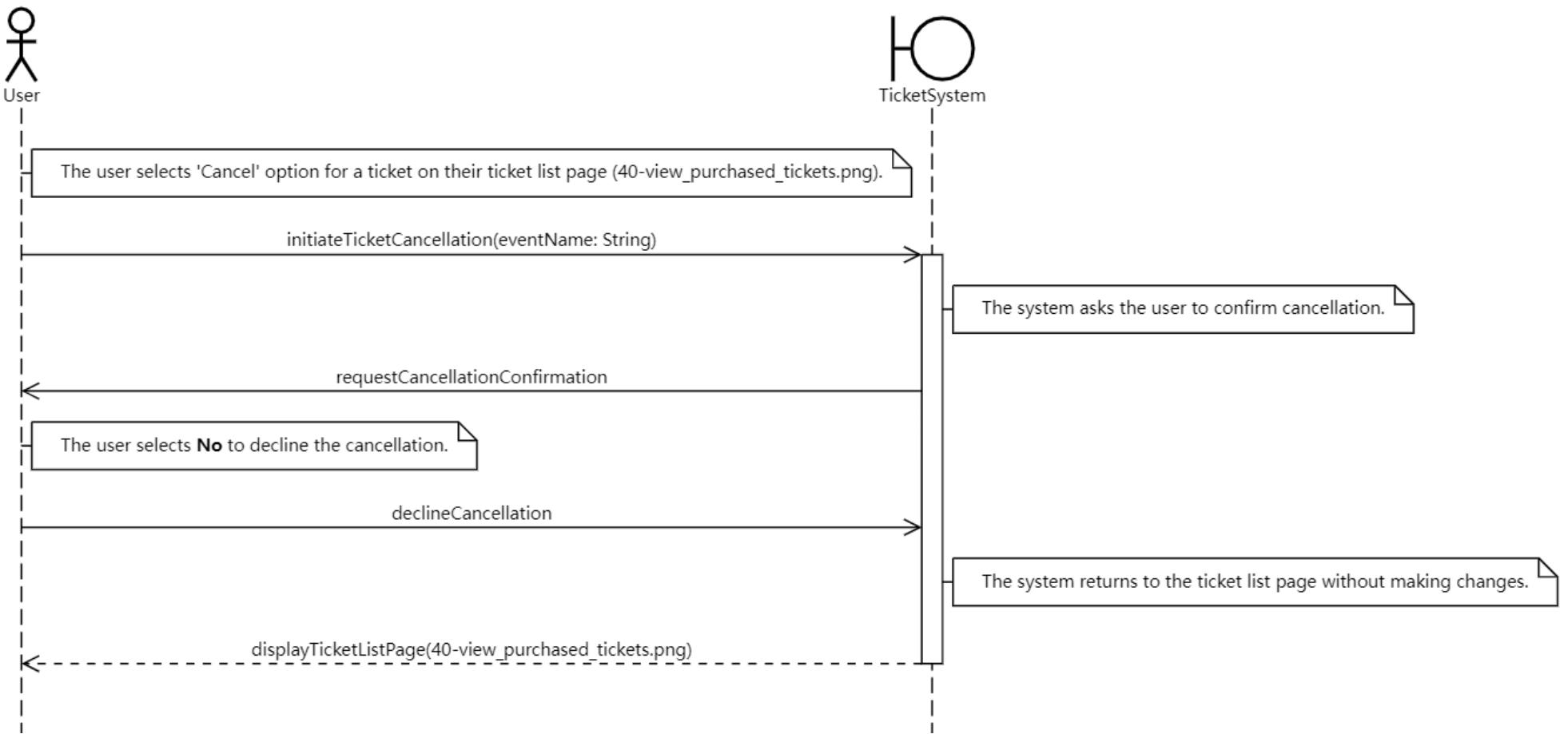


### Do Not Cancel

- The user selects 'Cancel' option for a ticket on their ticket list page.
- The system asks the user to confirm cancellation.
- The user selects **No** to decline the cancellation.
- The system returns to the ticket list page without making any changes.

## Sequence Diagram – Alternate Course of Events

### User Cancel Ticket Sequence Diagram (Do Not Cancel)



## UI Sketches

### Ticket List Page

This is the page where the user can see their purchased tickets and select the 'Cancel' option to remove a ticket if needed.

## My Tickets

**Event 1 - 01/01/2024 - Venue 1 - Section\_1&Row\_1**

[View](#) [Cancel](#)

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**Event 2 - 02/01/2024 - Venue 2 - Section\_2&Row\_2**

[View](#) [Cancel](#)

[Cancel](#)