

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*

Team Members

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| TM8 | Qin Chenle | chenle.qin@ucdconnect.ie | @22207284 |

Design

This phase continues the development process by performing further realisations on the courses of events that we described in the analysis phase. This requires the creation of new sequence diagrams for each course of events. These diagrams will be more detailed in that they will contain all parameter and type information. Additionally, the diagrams will now include the UI and database components of the system.

Decisions made while constructing these diagrams are also documented in the class diagram.

Use Case Realisations

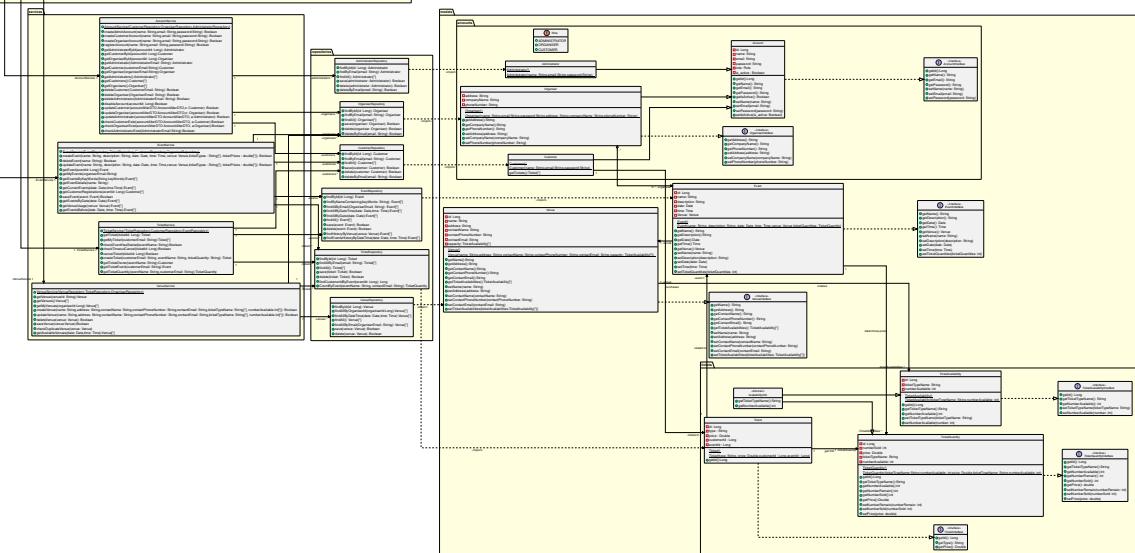
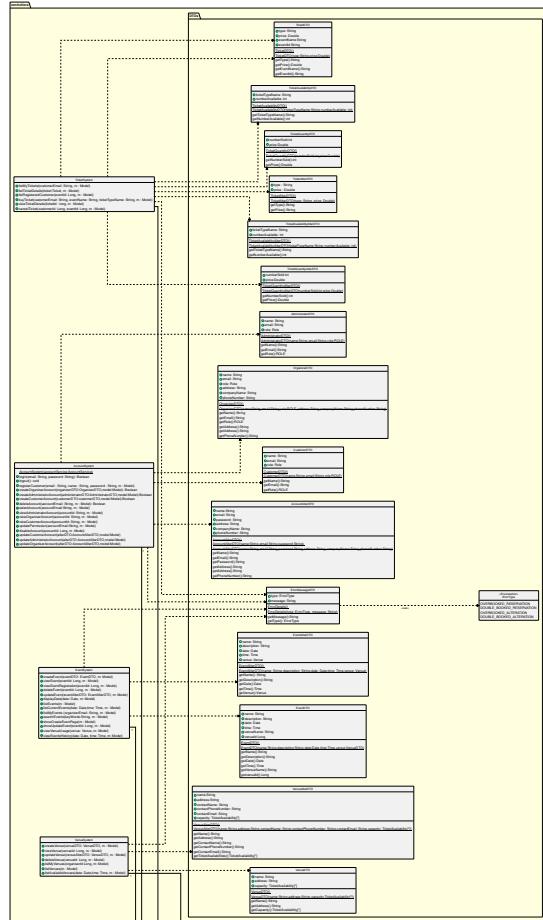
The software includes the following use cases, grouped by topic for convenience. Each is defined in a separate markdown file and is linked below.

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. View All Venues
18. Delete Venue
19. View Venue History
20. View Events History
21. List My Events
22. Create Event
23. Edit Event
24. List My Venues
25. View Venue Bookings
26. Register Account
27. List Upcoming Events
28. Tickets List
29. Purchase Ticket
30. View Ticket Details
31. Cancel Ticket

Class Diagram

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



Description of Database

Description of Database

Milestone 3 Design

Distribution of work on this milestone

Overall Distribution of Work

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

Task Allocation Special note: the task of each use case includes: sequence diagrams(png and txt files).

| Item | Primary Author | Contributor | Contributor | Reviewer |
|---|----------------|-------------|-------------|-------------|
| Class Diagram | TM2 | TM3 | TM4 | TM2&TM3&TM4 |
| Responsibilities of Classes | TM8 | TM3 | | TM2 |
| Description of Database | TM2 | TM3 | | TM4 |
| Final README file | TM7 | TM2 | TM1 | TM1 |
| Use Case 00: "Login" | TM4 | TM2 | | TM2 |
| Use Case 01: "View All Events" | TM4 | TM2 | | TM2 |
| Use Case 02: "Delete Event" | TM4 | TM5 | | TM2 |
| Use Case 03: "View Event Details" | TM5 | TM6 | | TM2 |
| Use Case 04: "View Event Registrations" | TM5 | TM6 | | TM2 |
| Use Case 05: "Create Venue" | TM5 | TM6 | | TM2 |
| Use Case 06: "Edit Venue" | TM5 | TM2 | | TM2 |
| Use Case 07: "View Venue Details" | TM3 | TM7 | | TM2 |
| Use Case 08: "Modify Account" | TM3 | TM2 | | TM2 |
| Use Case 09: "View Account" | TM3 | TM7 | | TM2 |
| Use Case 10: "Search Filter Events" | TM2 | | | TM2 |
| Use Case 11: "Display date" | TM1 | | | TM2 |
| Use Case 12: "Create Account" | TM8 | | | TM2&TM3 |
| Use Case 13: "View All Accounts" | TM8 | TM3 | | TM2&TM3 |
| Use Case 14: "Disable Account" | TM8 | TM3 | | TM2&TM3 |
| Use Case 15: "Delete Account" | TM8 | TM3 | | TM2&TM3 |
| Use Case 16: "View All Venues" | TM7 | | | TM2&TM3 |
| Use Case 17: "Delete Venue" | TM7 | | | TM2&TM3 |
| Use Case 18: "View Venue Usage History" | TM7 | | | TM2 |
| Use Case 19: "View Events History" | TM7 | | | TM2 |
| Use Case 20: "List My Events" | TM6 | | | TM2 |
| Use Case 21: "Create Event" | TM6 | TM5 | | TM2 |
| Use Case 22: "Edit Event" | TM6 | TM5 | | TM2 |
| Use Case 23: "List My Venues" | TM6 | TM5 | | TM2 |
| Use Case 24: "View Venue Bookings" | TM6 | TM5 | | TM2 |

| Item | Primary Author | Contributor | Contributor | Reviewer |
|-------------------------------------|----------------|-------------|-------------|----------|
| Use Case 25: "Register Account" | TM1 | | | TM2 |
| Use Case 26: "List Upcoming Events" | TM1 | | | TM2 |
| Use Case 27: "Tickets List" | TM1 | | | TM2 |
| Use Case 28: "Purchase Ticket" | TM1 | | | TM2 |
| Use Case 29: "View Ticket Details" | TM2 | | | TM2 |
| Use Case 30: "Cancel Ticket" | TM2 | | | TM2 |

Reflection Statements

| Team Member | Contribution Reflection Statement |
|-------------|---|
| TM1 | <Required: Assist with final inspection. Completed the 11,25,26,27,28 use case. > |
| TM2 | <Required: Assign tasks to everyone and give regular feedback on all sequence diagrams. Completed the 10,30,11 use case, class diagram and database description.> |
| TM3 | <Required: Assist with final inspection. Completed the 07,08,09 use case and class diagram. > |
| TM4 | <Required: Completed the 00,01,02 use case, class diagram, database description, fix up classes description. > |
| TM5 | <Required: Completed the 03,04,05,06 use case. > |
| TM6 | <Required: Completed the 20,21,22,23,24 use case. > |
| TM7 | <Required: Assist with final inspection. Completed the 16,17,18,19 use case and write basic README file.> |
| TM8 | <Required: Completed the 12,13,14,15,16 use case. > |

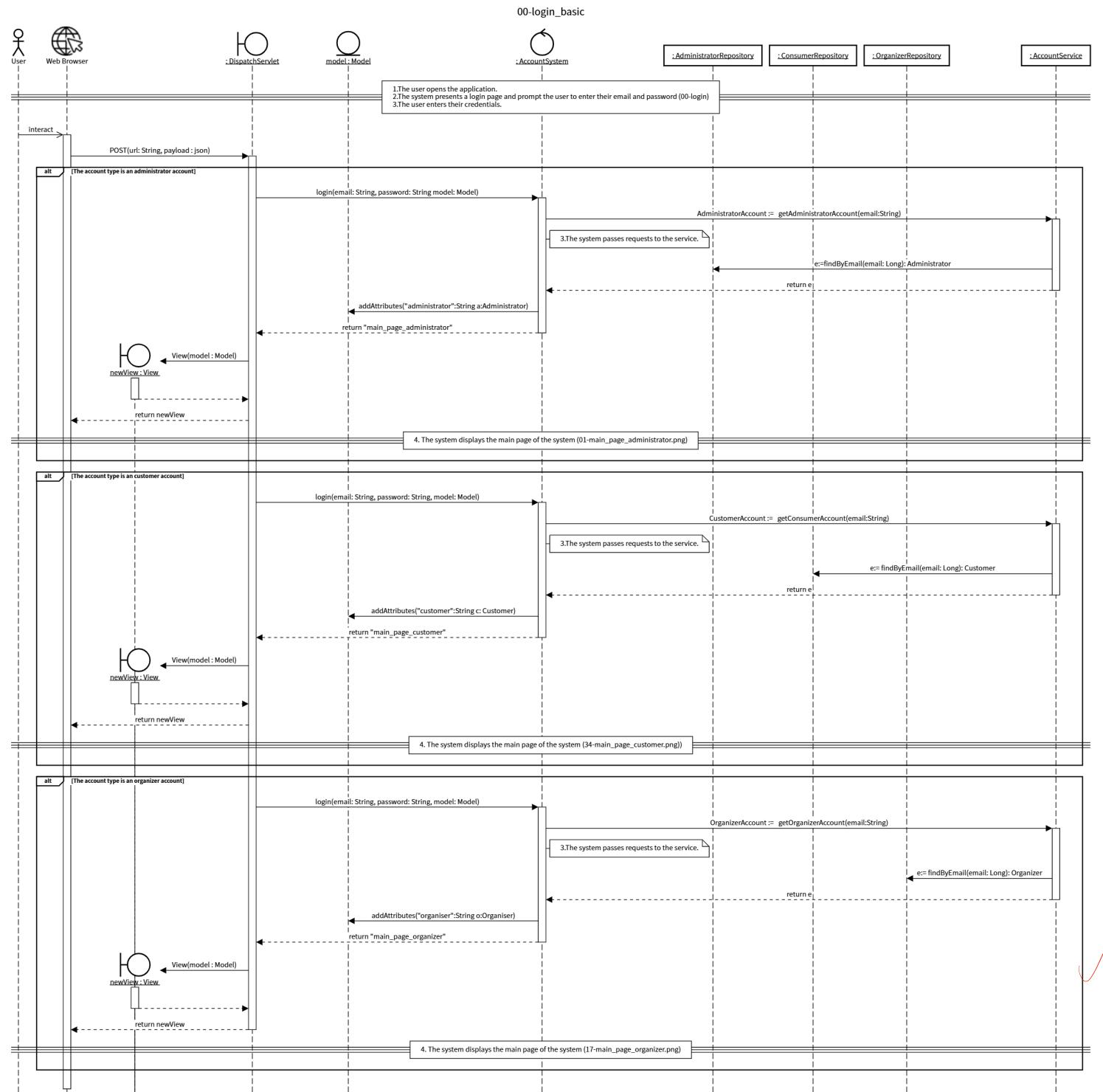
Filename - 03-design/usecases/docs/00-login.md

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-main_page_administrator.png). The organizer is on their main page(17-main_page_organiser.png). The customer is on their main page(34-main_page_customer.png).

Sequence Diagram

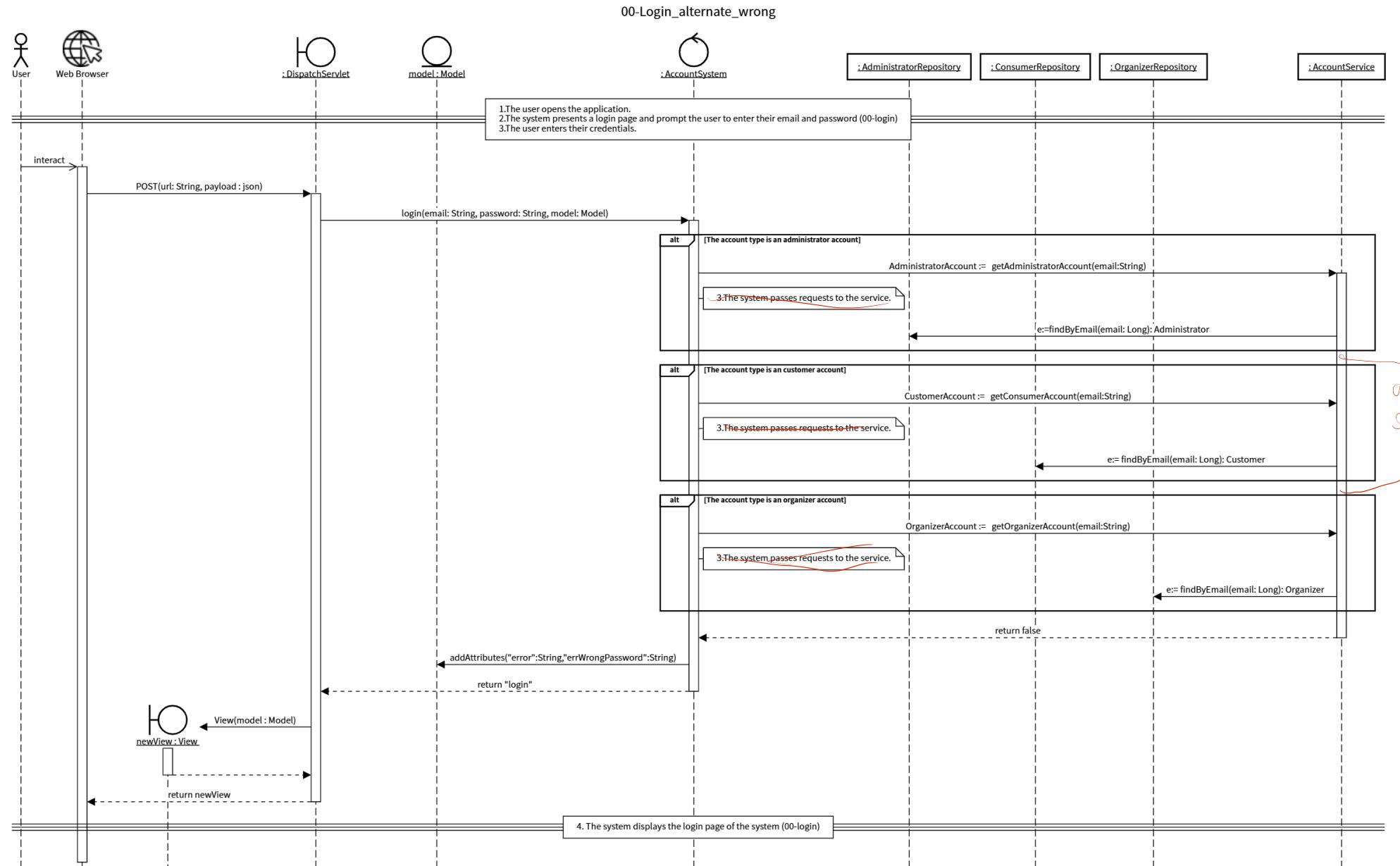


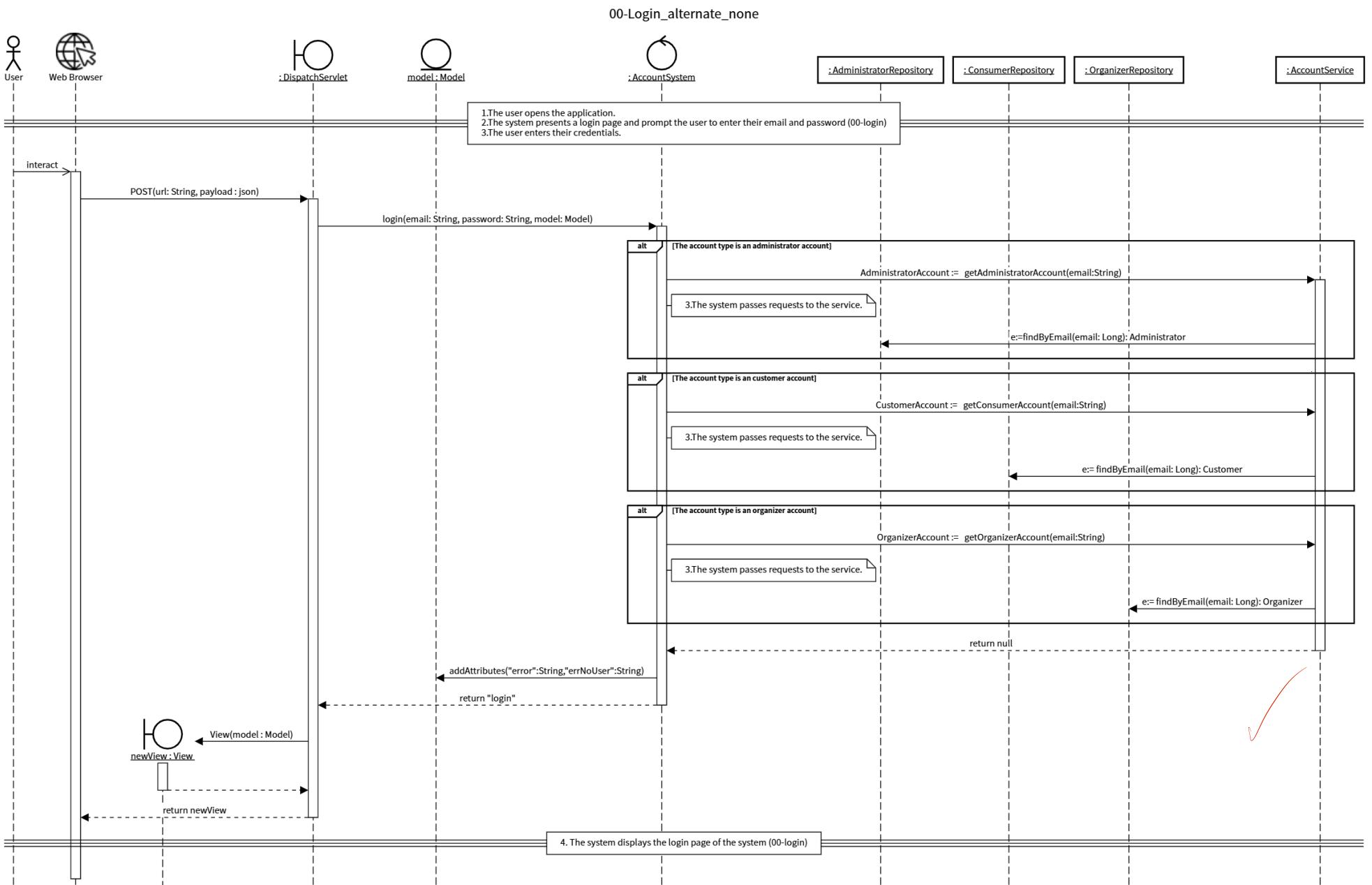
Alternate Course of Events

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





UI Sketches

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

Login

Email:

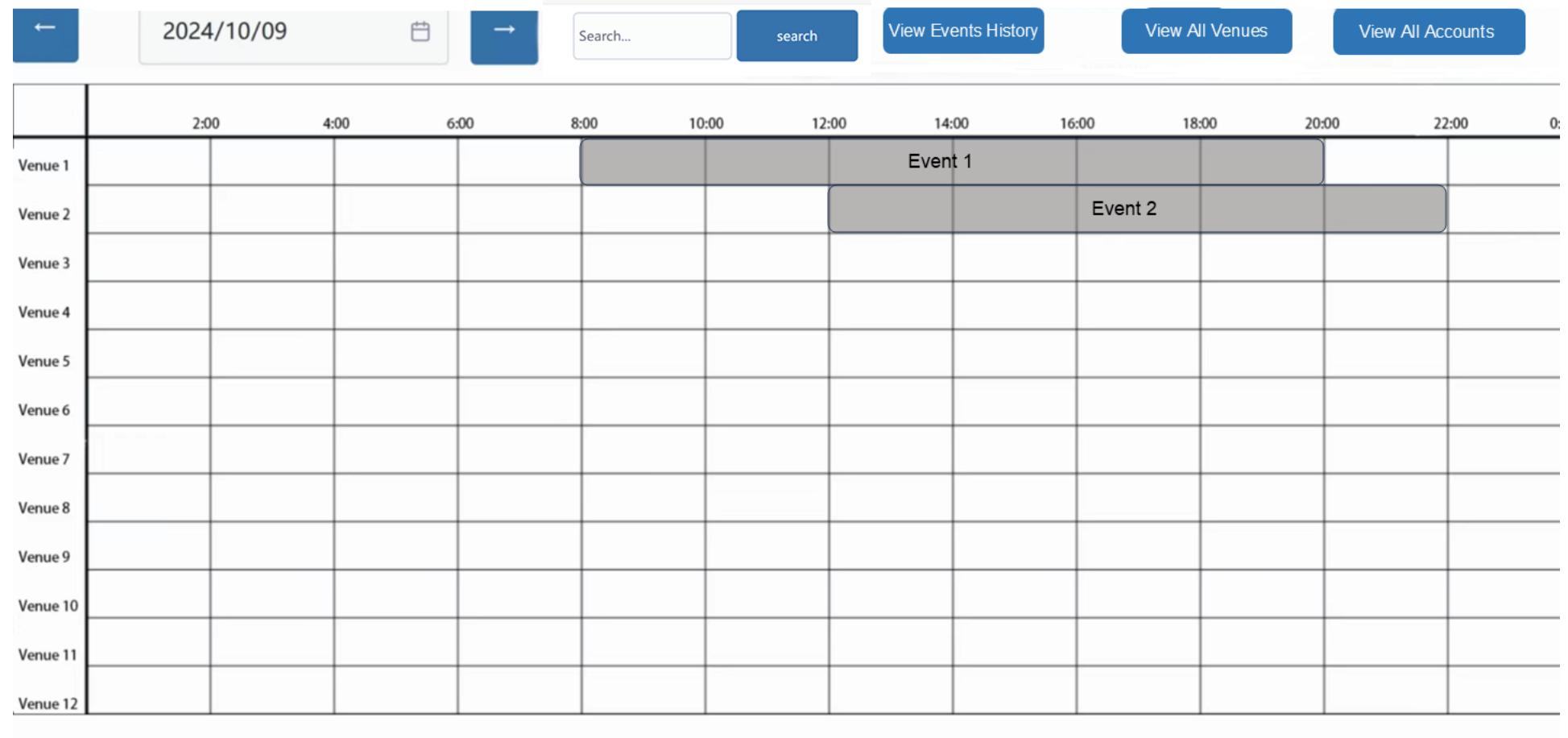
Password:

Login

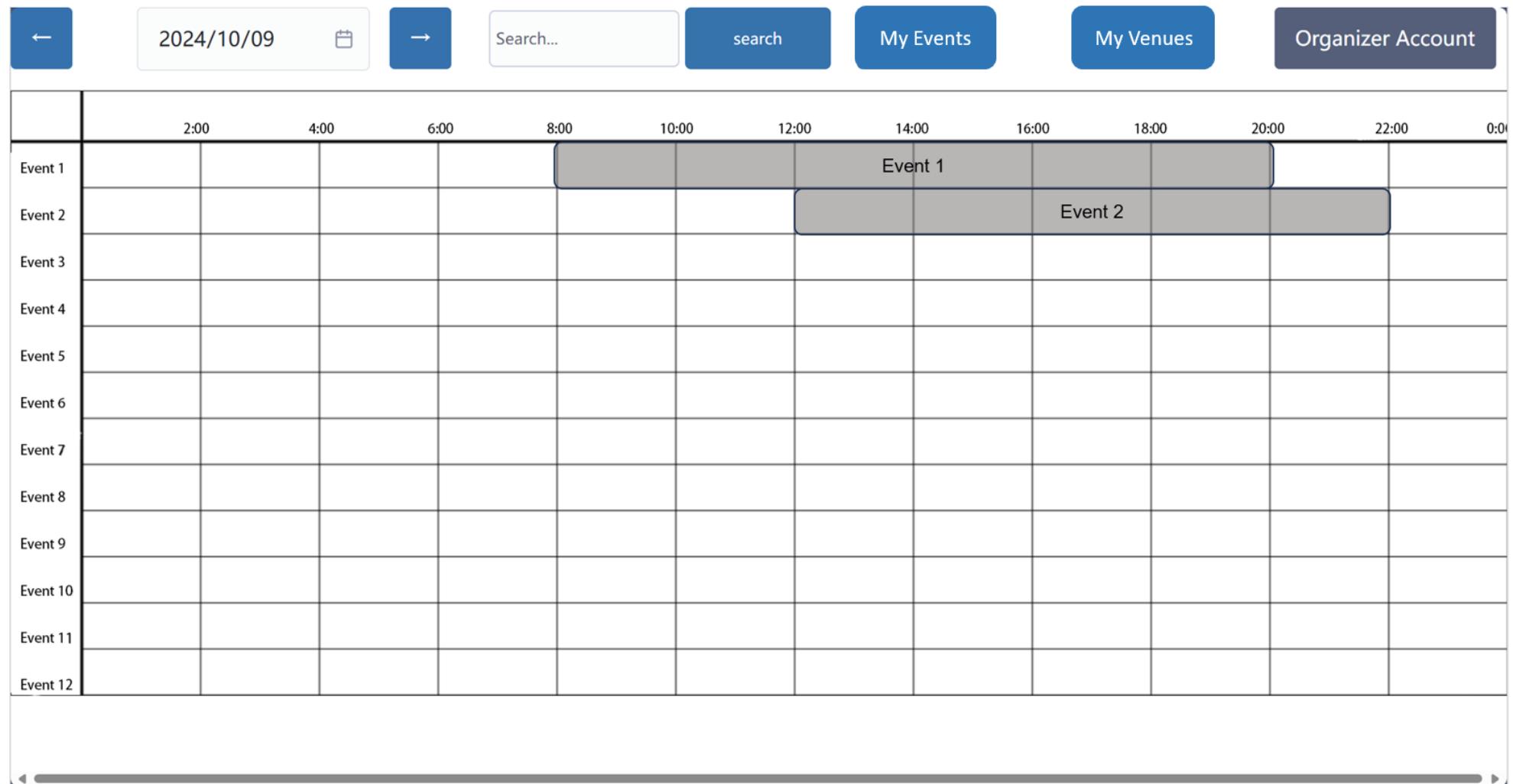
Don't have an account? [Register here](#)

Main Page

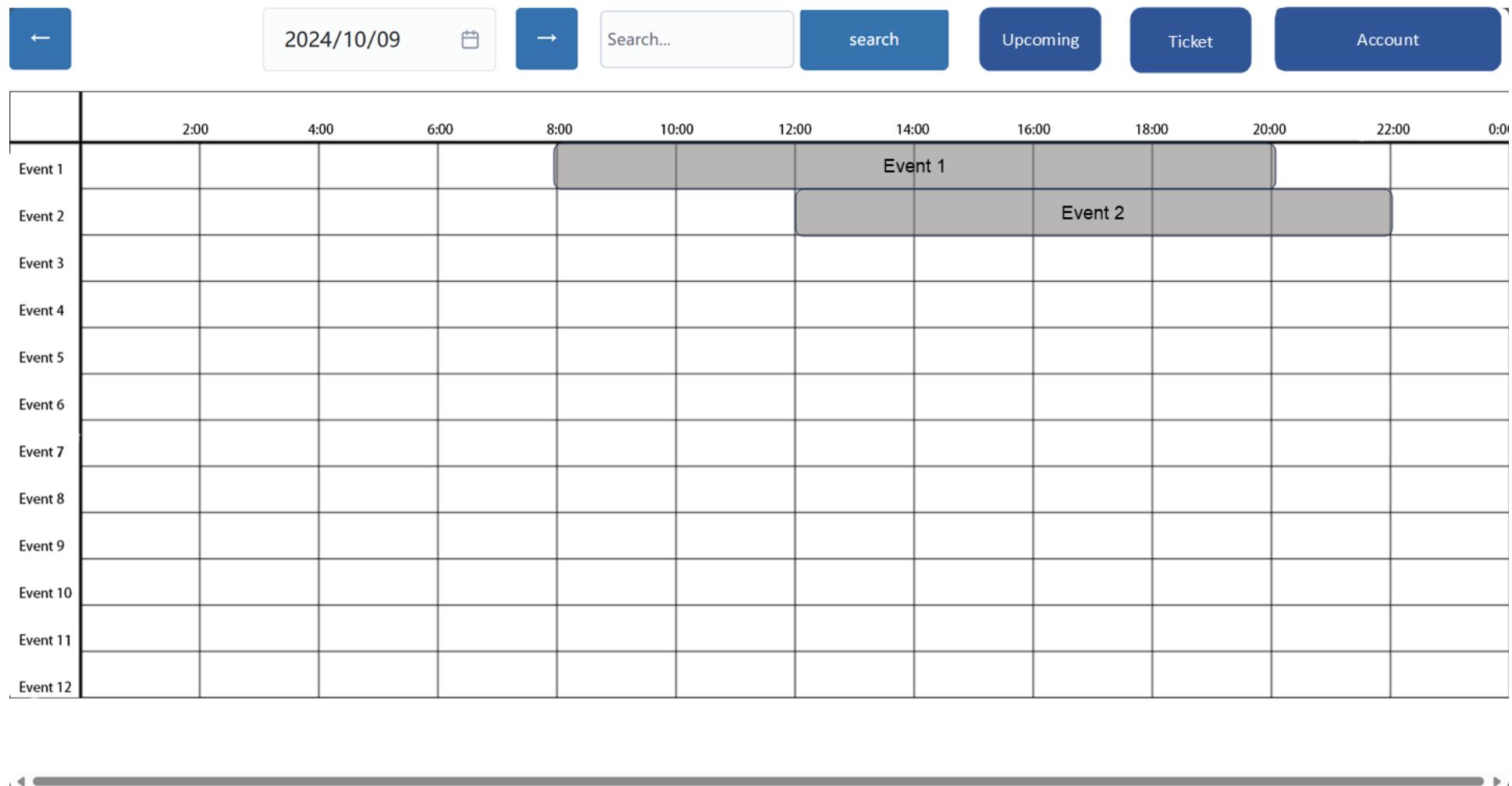
Administrator



Organizer



Customer



Data Outcome

- **READ** - The details of the selected account in the system will be read and display after login successfully.

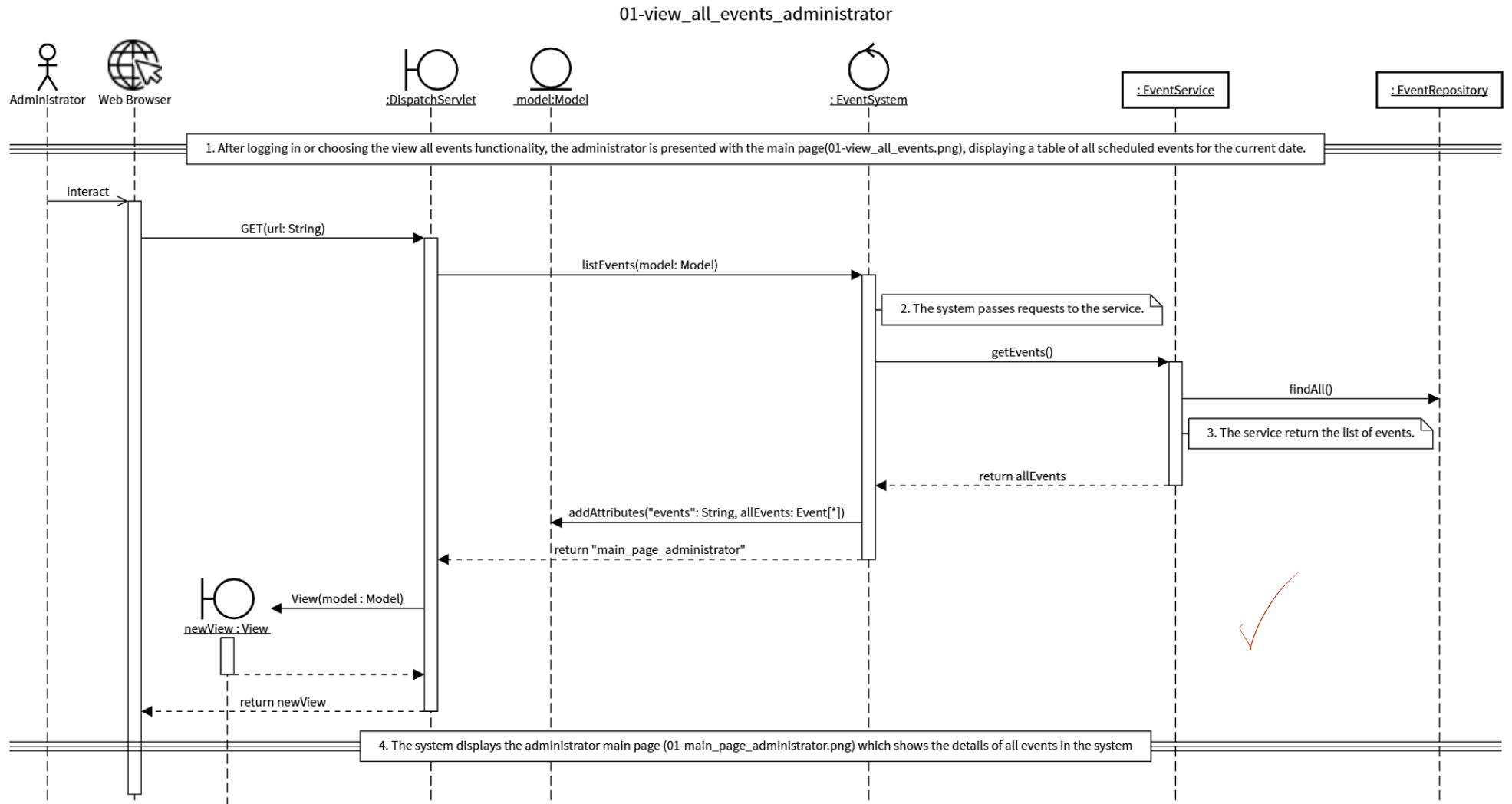
01 View All Events

Basic Course of Events

Course of Events – Administrator

1. After logging in or choosing the view all events functionality, 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

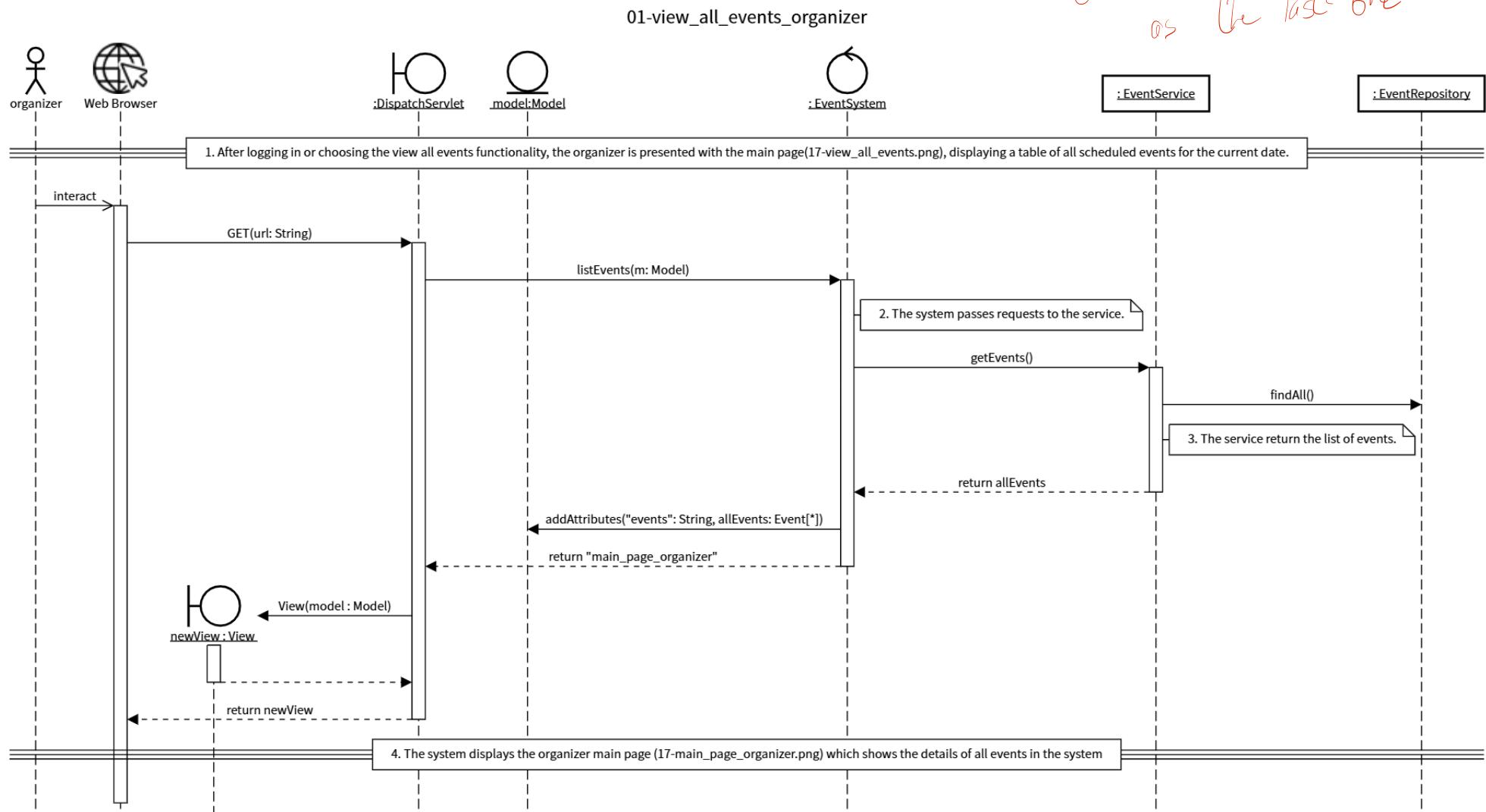


Course of Events – Organizer

1. After logging in or choosing the view all events functionality, 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.

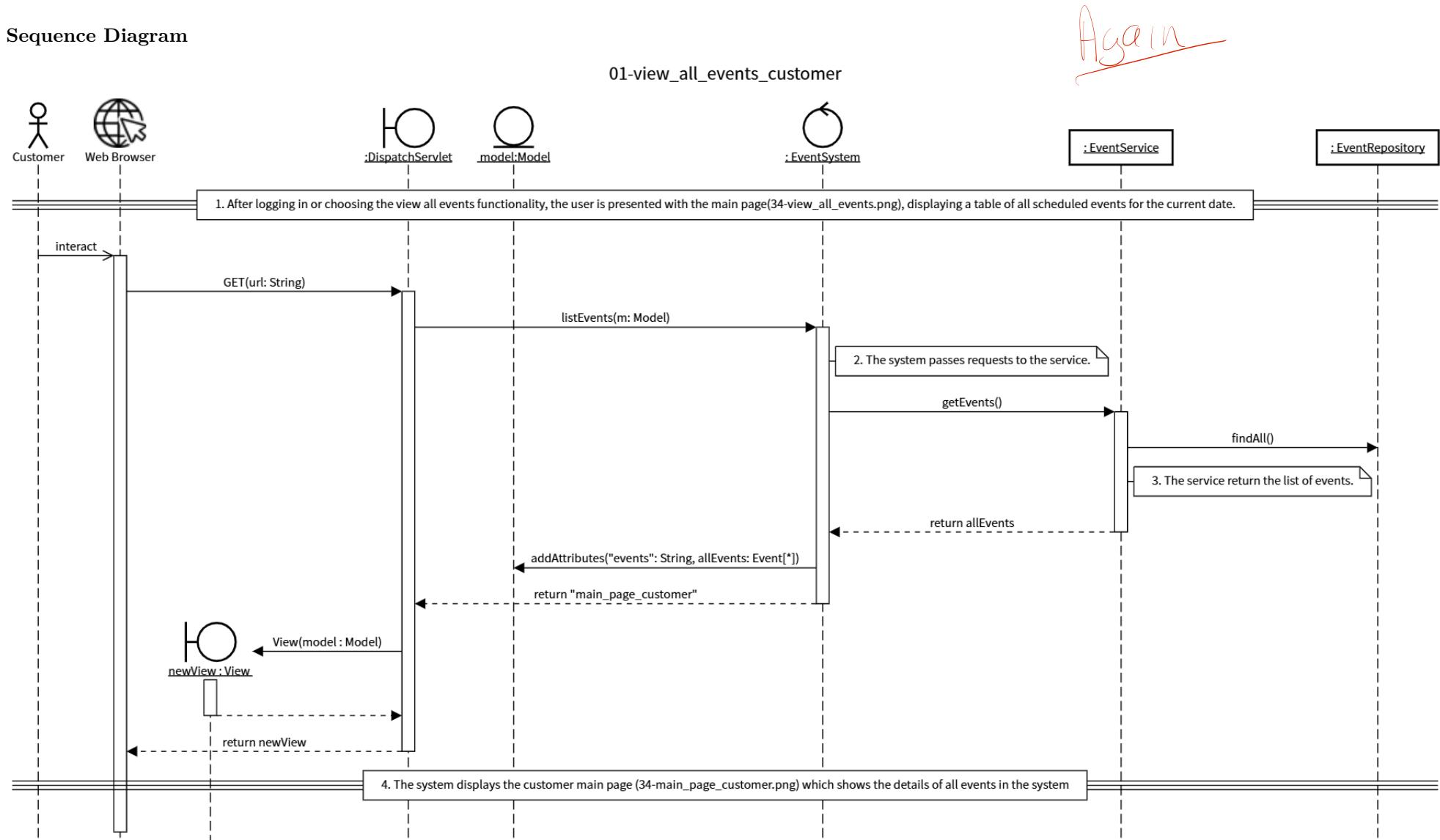
Sequence Diagram



Course of Events – Customer

1. After logging in or choosing the view all events functionality, the customer 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 customer 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 customer 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

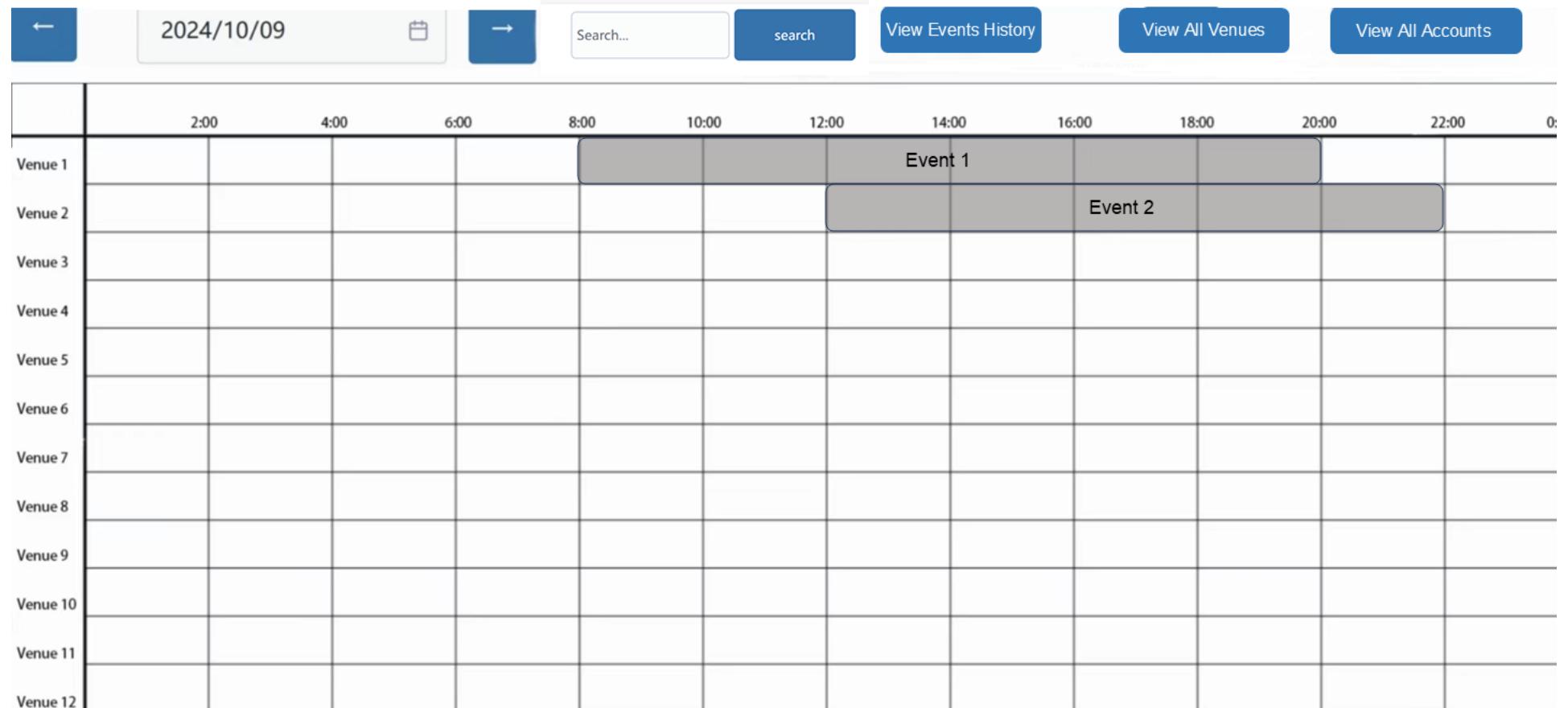
- None

UI Sketches

Administrator

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

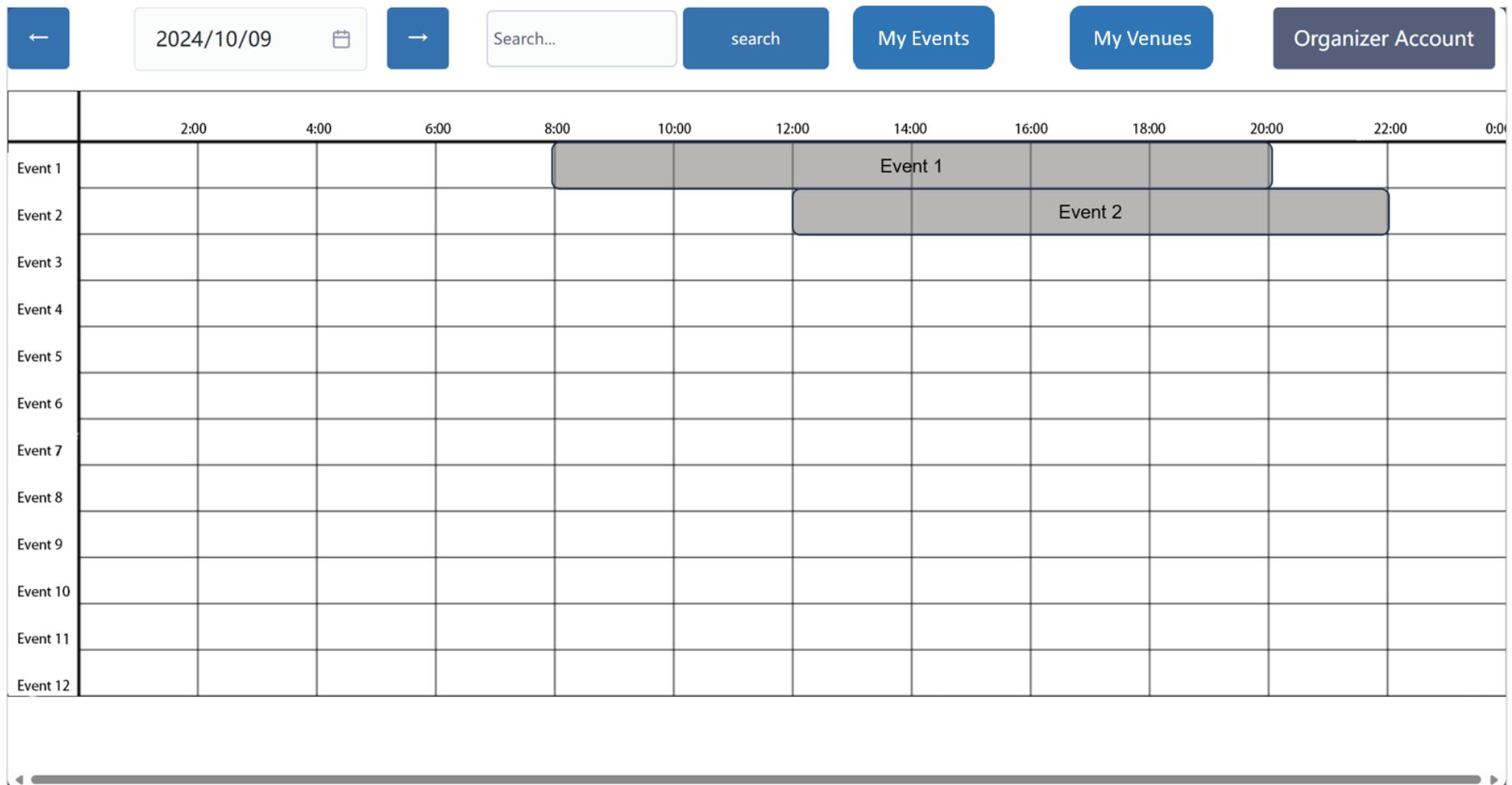
Main Page



Organizer

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

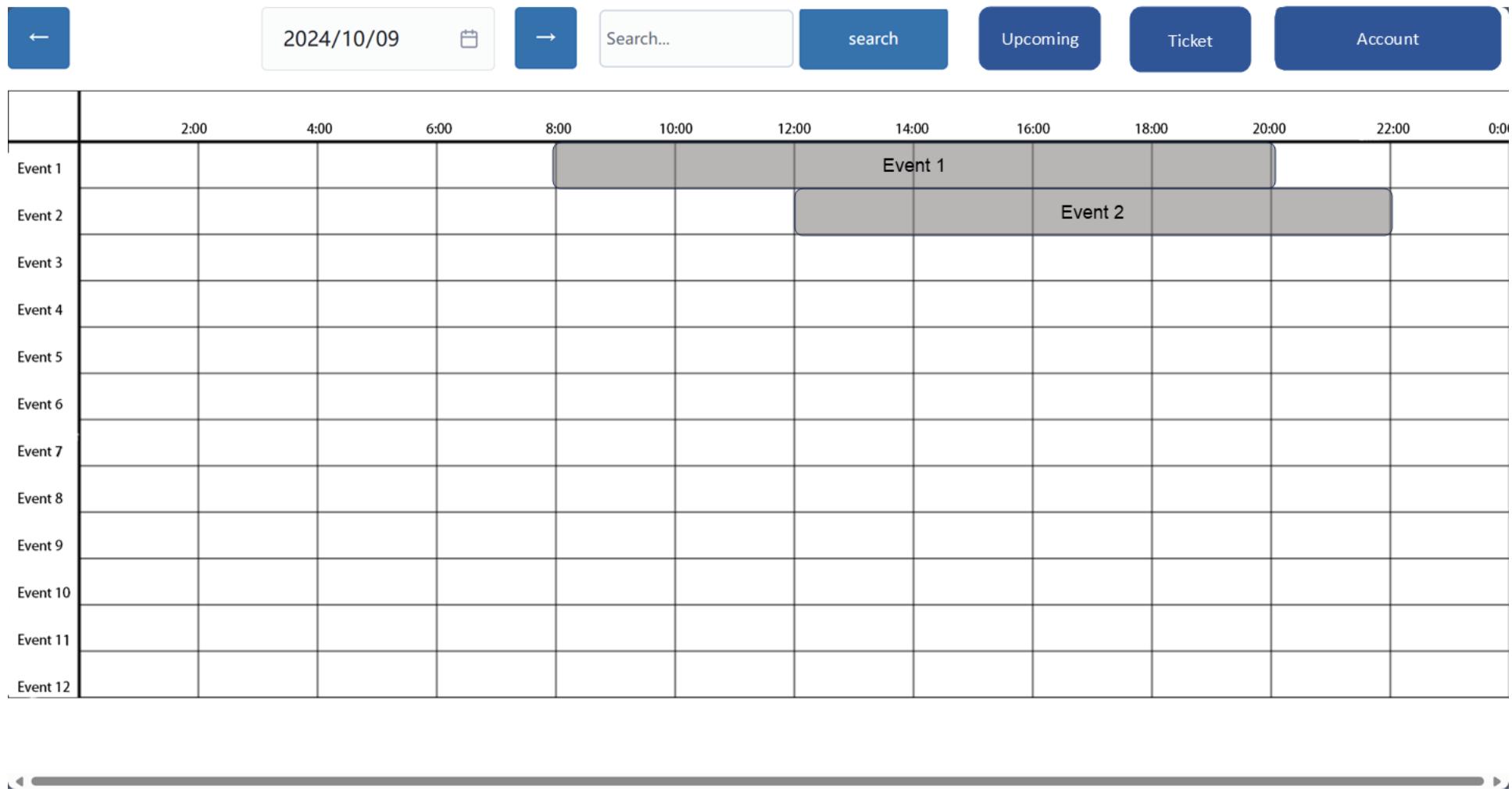
Main Page



Customer

There 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 user can read it.

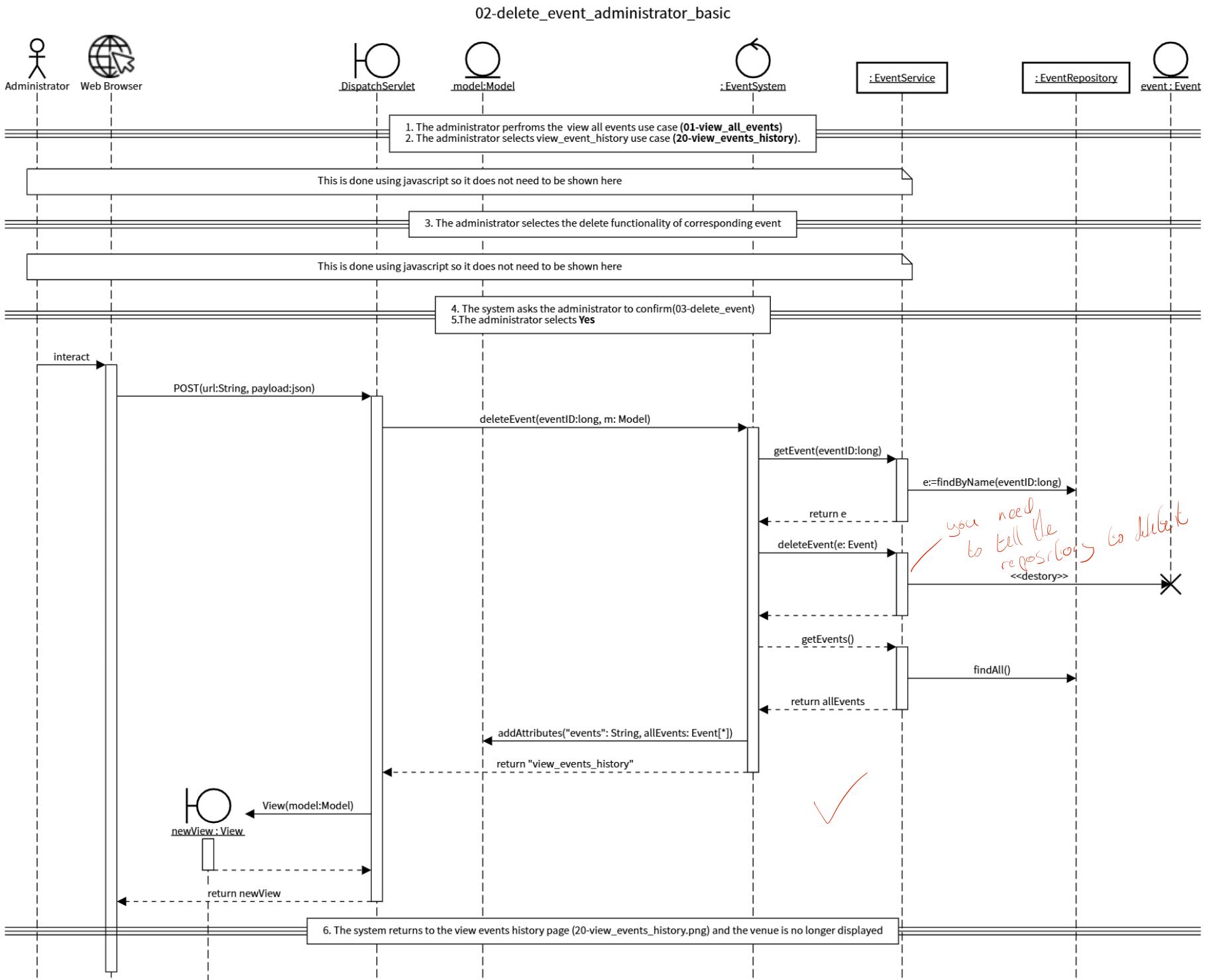
02 Delete Event

Basic Course of Events

Course of Events – Administrator

- 1. The administrator performs the view all events use case (01-view_all_events)
- 2. The administrator selects view_event_history use case (20-view_events_history)
- 3. The administrator selects the delete functionality of corresponding event
- 4. The system asks the administrator to confirm(03-delete_event)
- 5. The administrator selects “Yes”
- 6. The system returns to the list events page (20-view_events_history.png) and the venue is no longer displayed

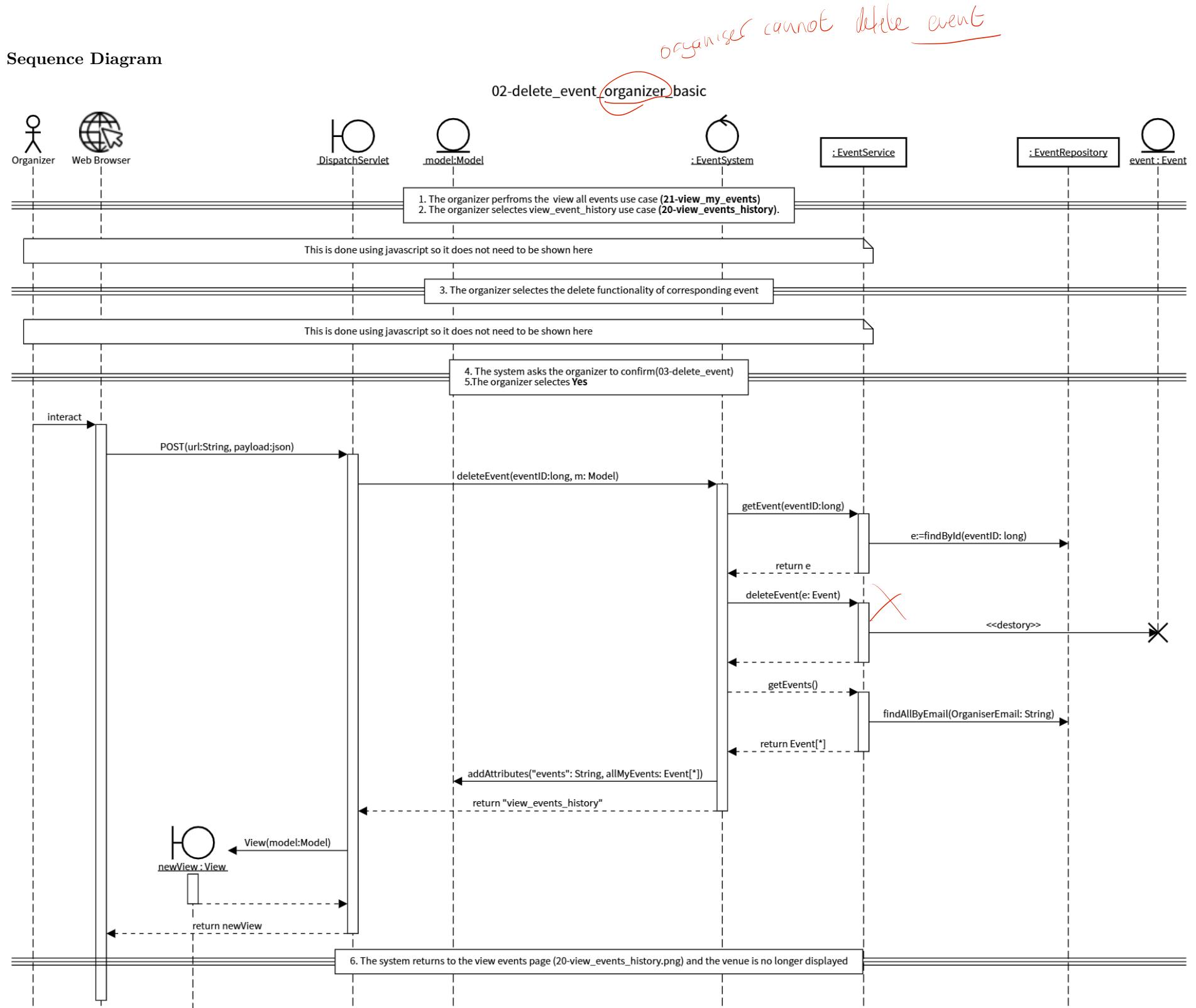
Sequence Diagram



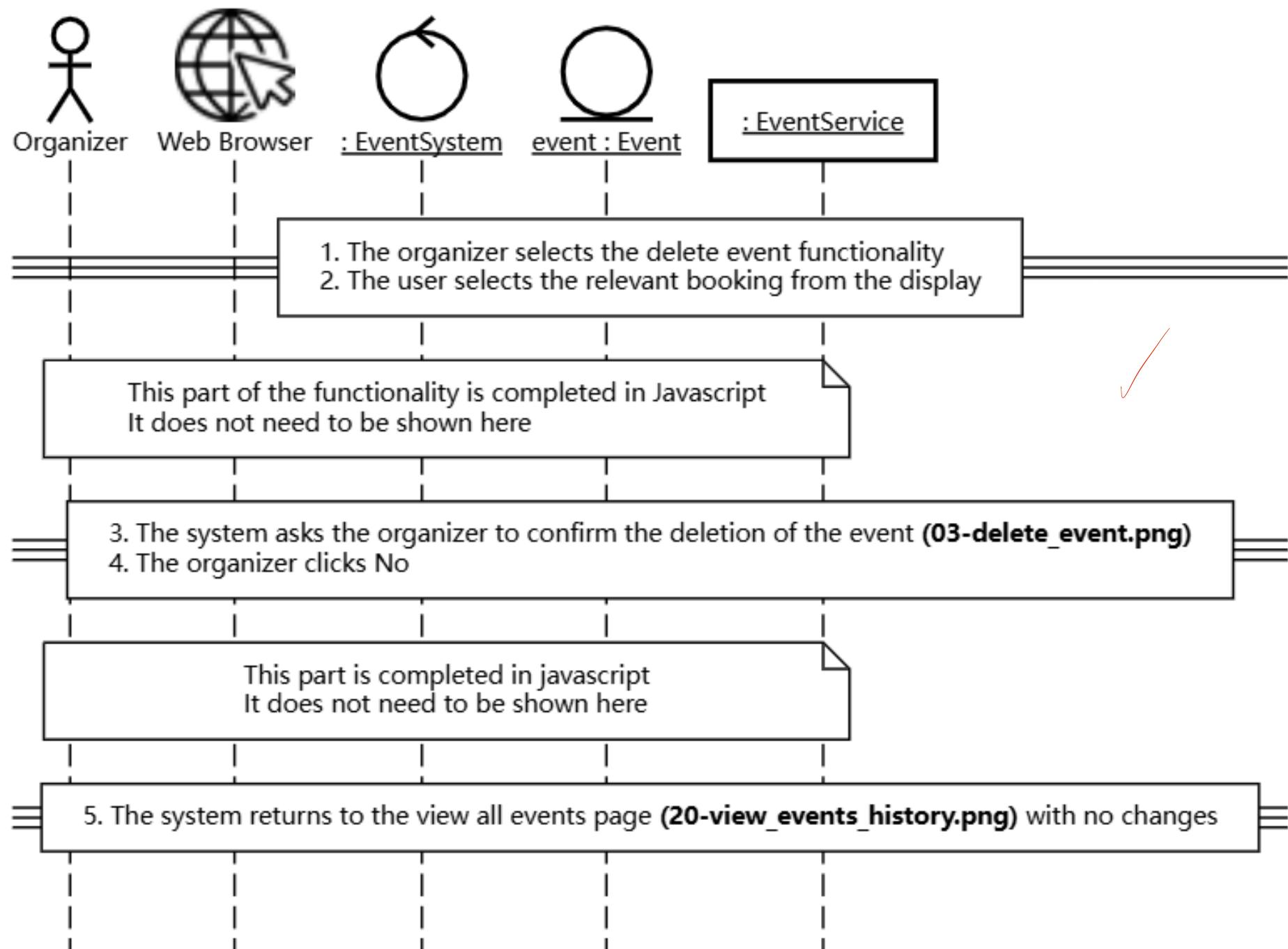
Course of Events – Organizer

- 1. The organizer performs the view all events use case (21-view_my_events)
- 2. The organizer selects view_event_history use case (20-view_events_history)
- 3. The organizer selects the delete functionality of corresponding event
- 4. The system asks the organizer to confirm(03-delete_event)
- 5. The organizer selects “Yes”
- 6. The system returns to the view events page (20-view_events_history.png) and the venue is no longer displayed

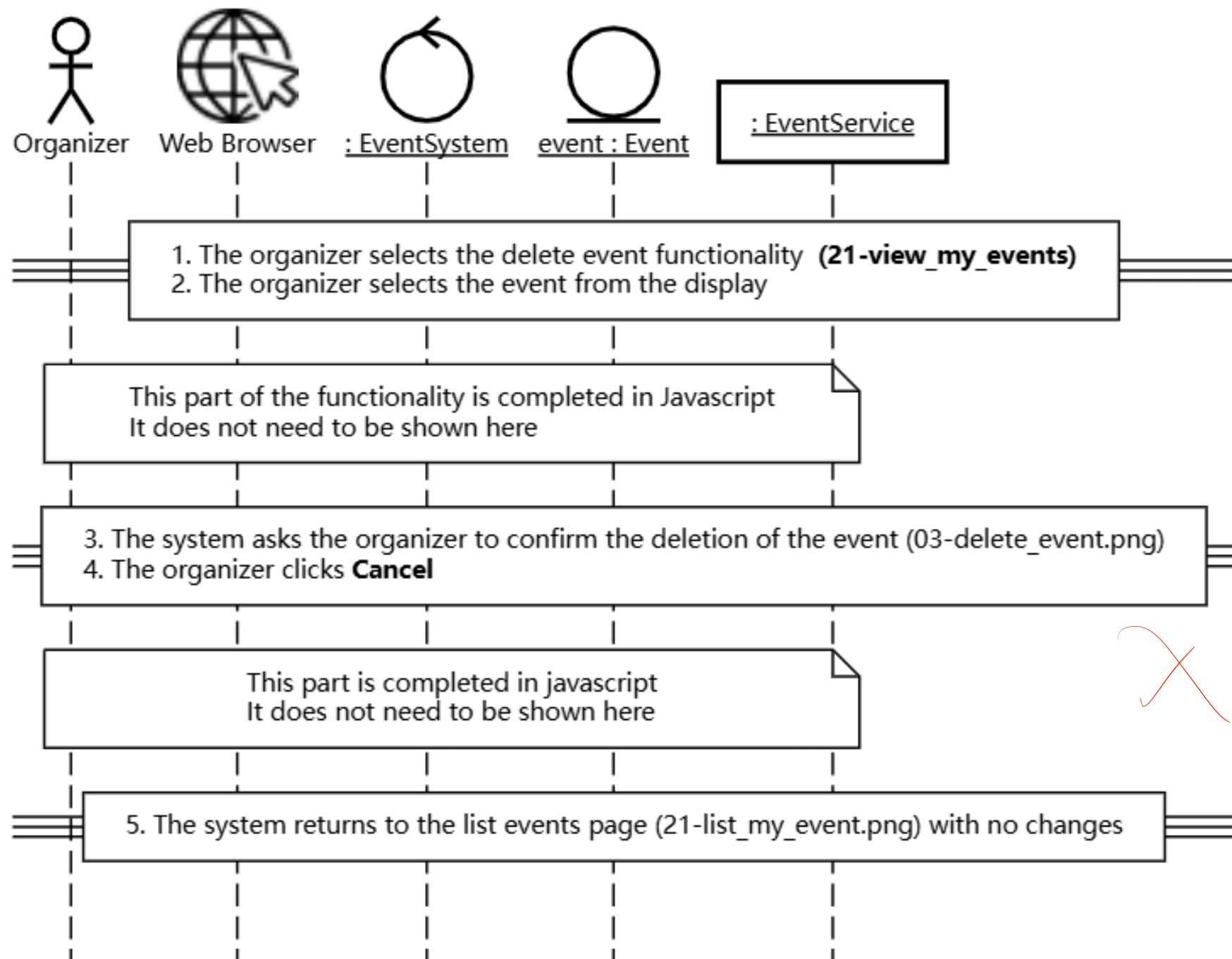
Sequence Diagram



02-delete_event_administrator_alternate



02-delete_event_organizer_alternate



Do Not Delete

- 1.The Administrator(organizer) selects the delete event functionality adjacent to the event they want to remove on the list events page
- 2.The system asks the Administrator(organizer) to confirm the deletion of the event (03-delete_event.png)
- 3.The Administrator(organizer) clicks No
- 4.The system returns to the list events page (20-view_events_history.png) with no changes

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.

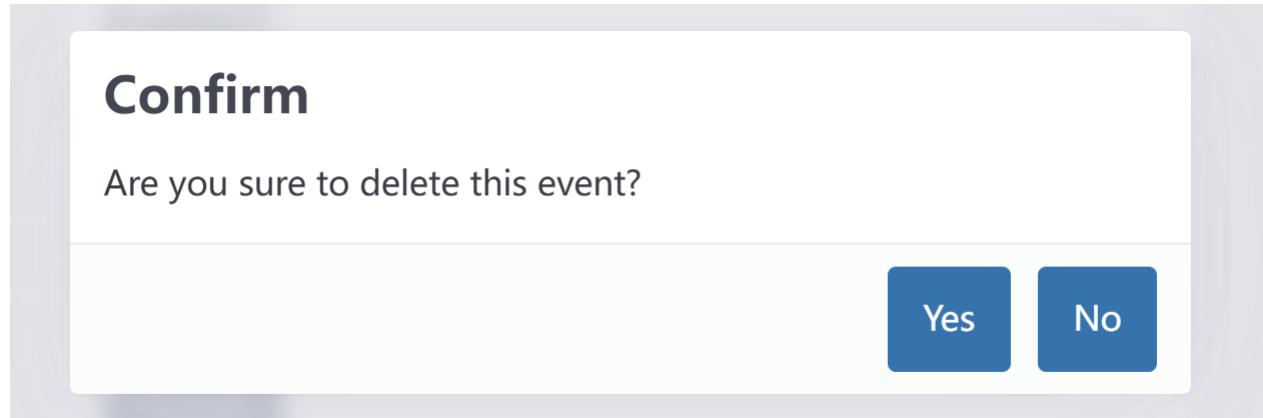
UI Sketches

- The administrator is on the event history page(20-view_events_history.png).
- The organizer is on their event page(21-view_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](#)

+

Delete Event

Confirm

Are you sure to delete this event?

Yes

No

Data Outcome

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

Filename - 03-design/usecases/docs/03-view_event_details.md

03 View Events Details

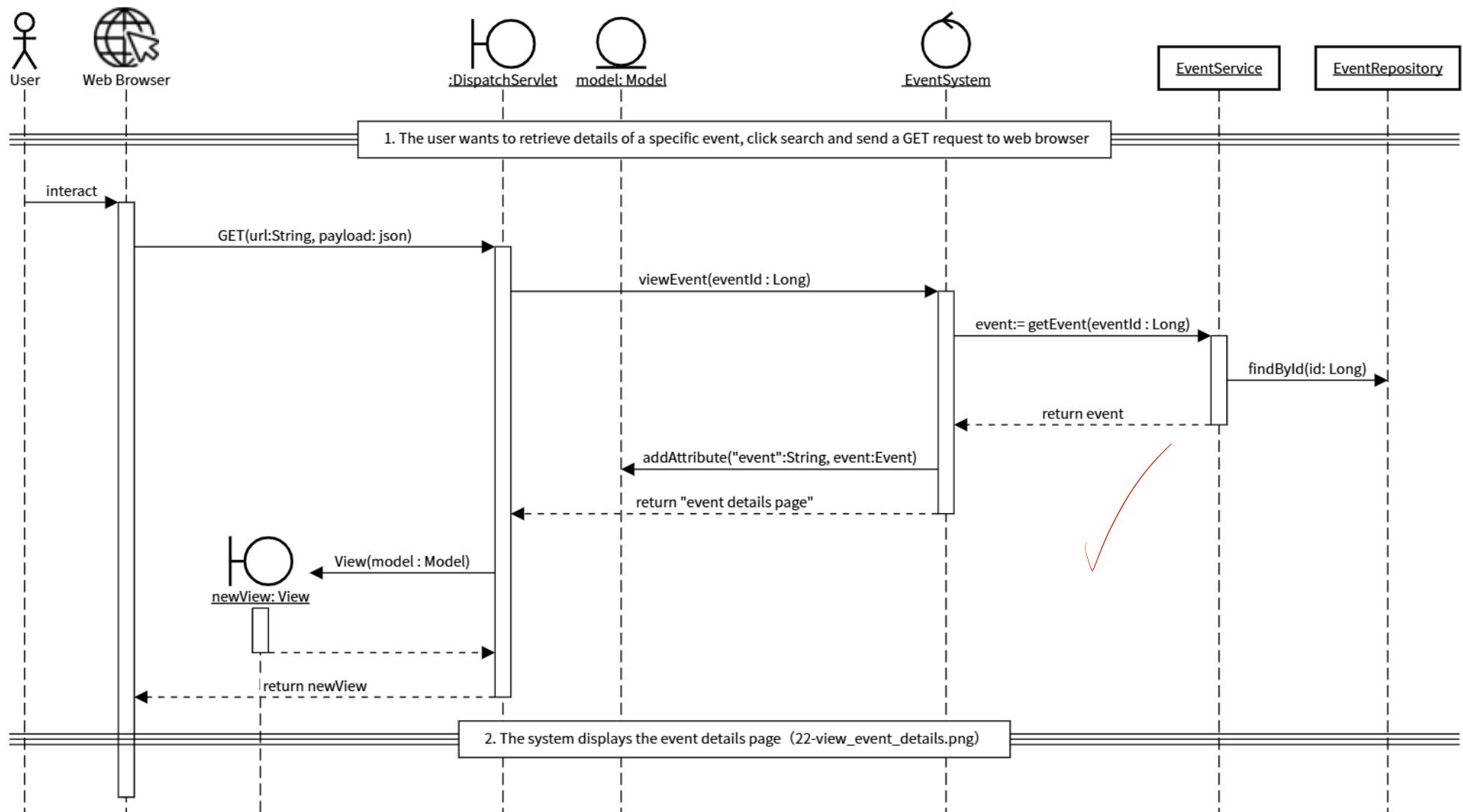
Basic Course of Events

Course of Events

- 1. The user wants to retrieve details of a specific event, click search and send a GET request to web browser
- 2. The system displays the event details page(22-view_event_details.png)

Sequence Diagram

03 - View_Event_Details - Basic



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

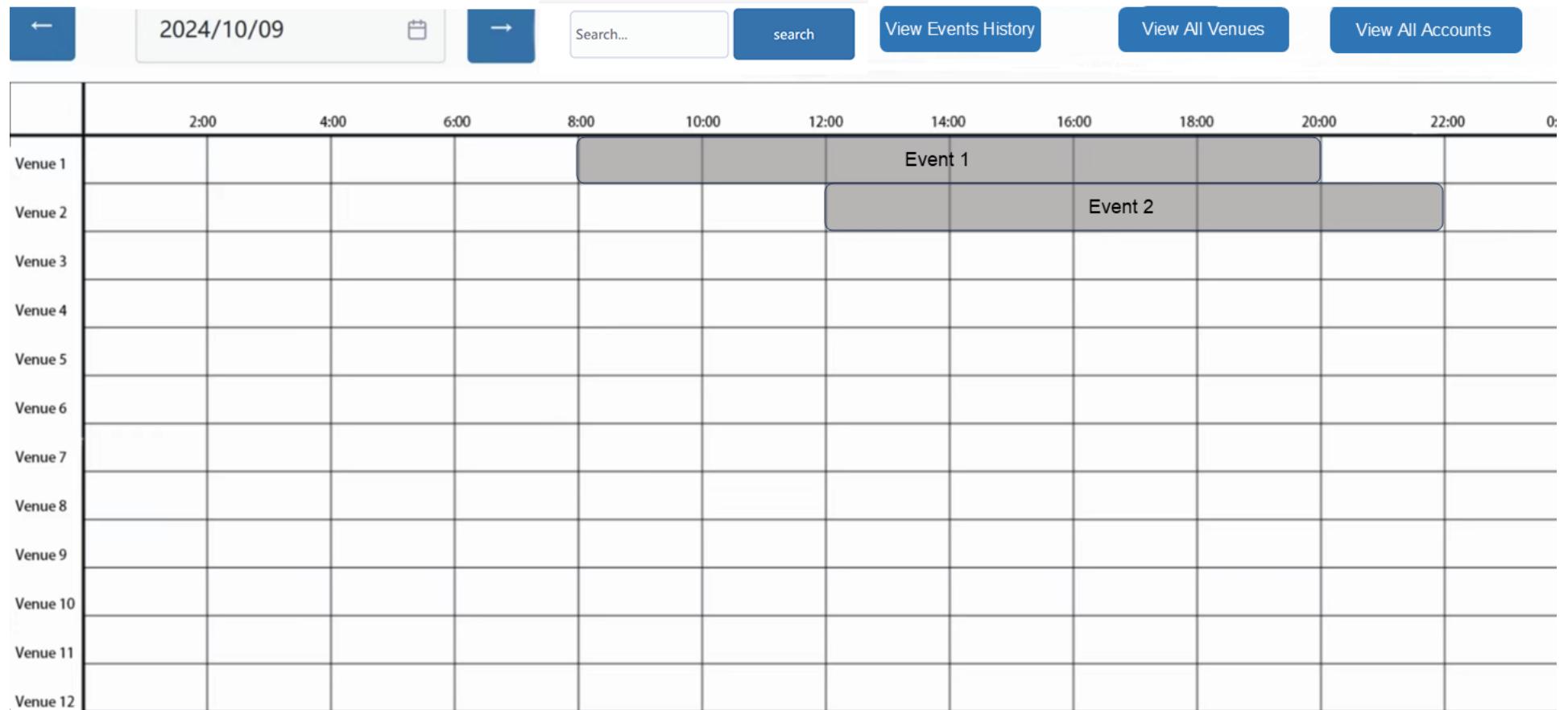
- In this case, all interactions are completed within the JS code of the page. No request is made to the server and no response is received.

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.



EVENT

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

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



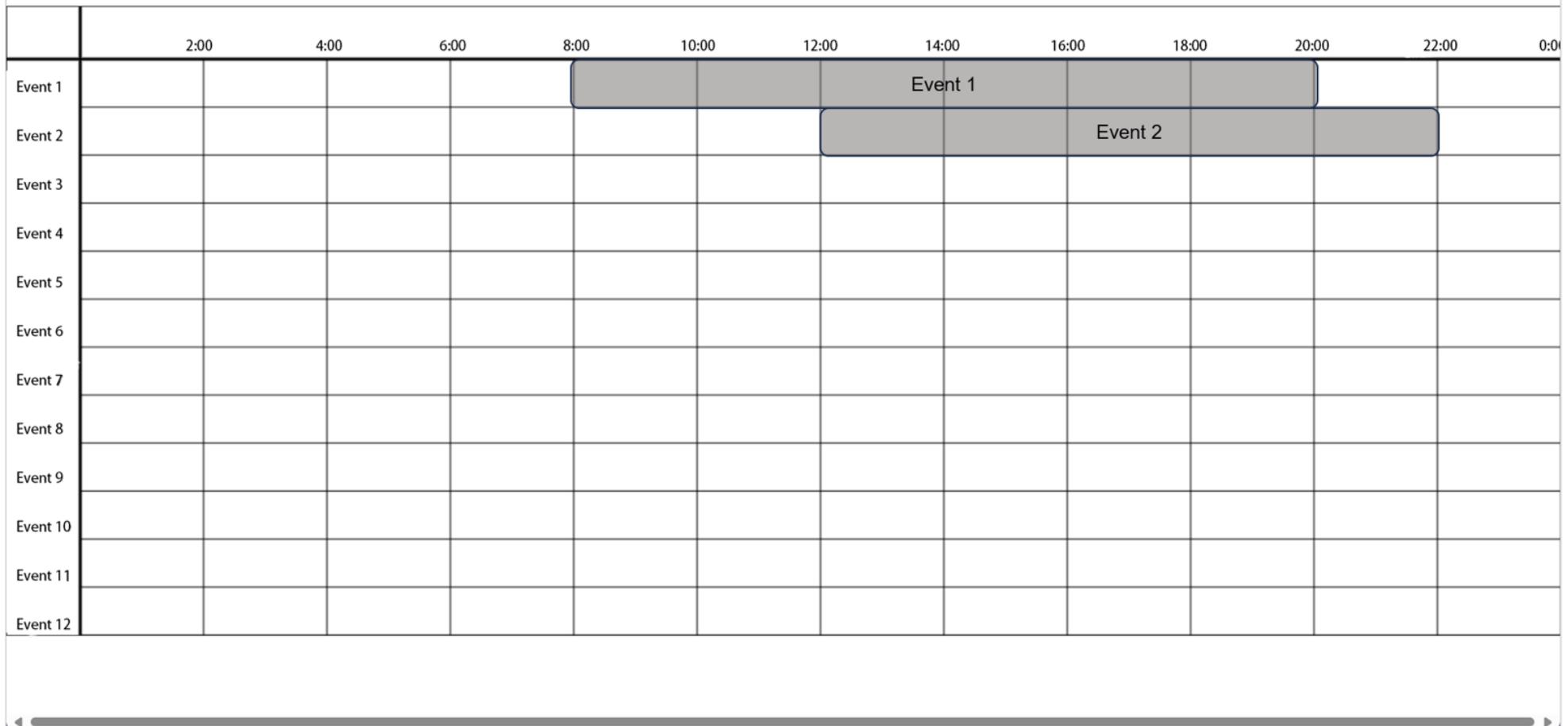
Search...

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](#)

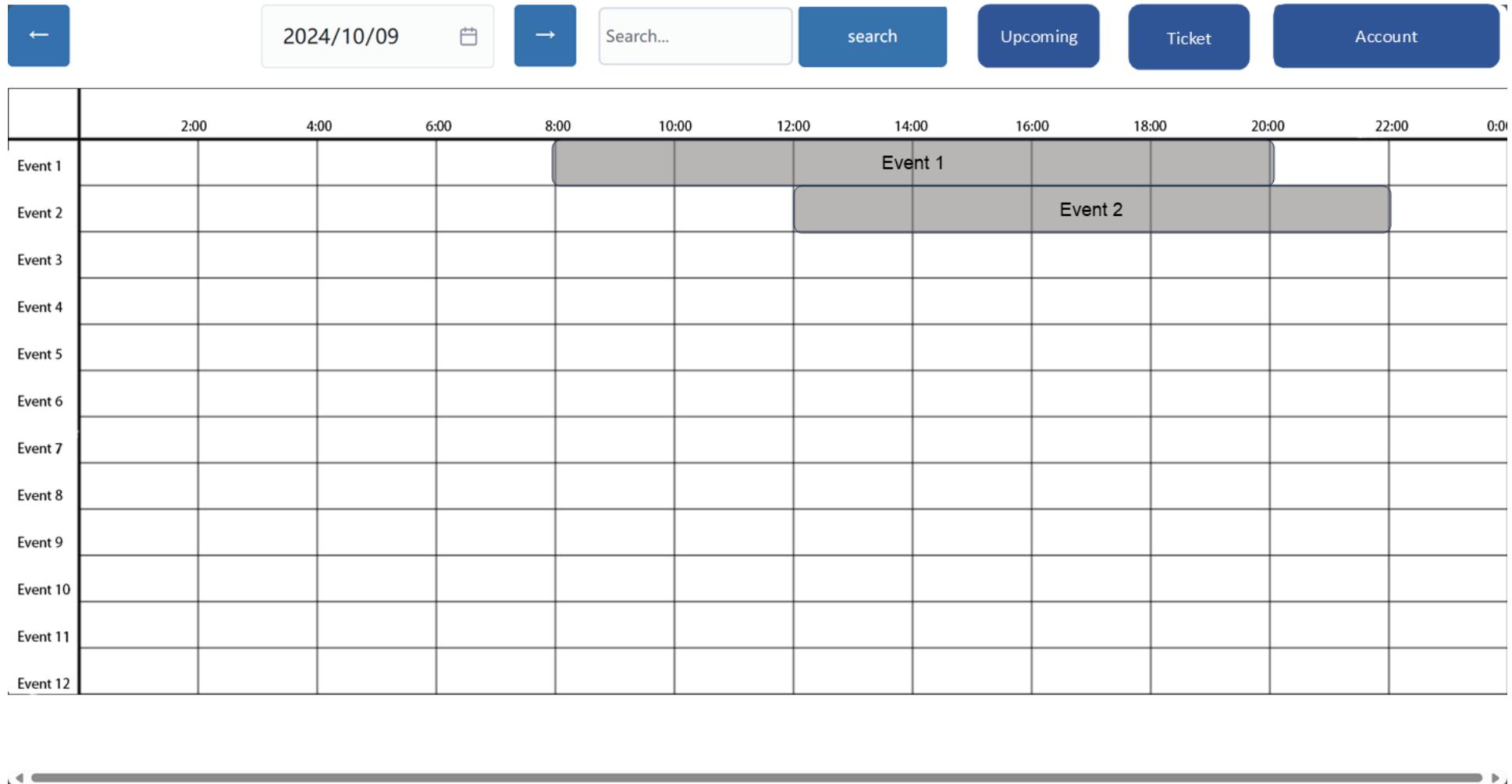
Event 3 03/01/2024 789 Market St 75 people reserved [Delete](#) [Edit](#)

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

+

Customer

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



Related UI Prototypes—Administrator, Organizer

[View Event Details Page](#)

[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

| | | | |
|------------------------------|--------------------|-----------------------|-----------------|
| 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 event registrations](#)

[View Event Details Page](#)

Related UI Prototypes– Customer

[View Event Details Page](#)

[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

| | | | |
|------------------------------|--------------------|-----------------------|-----------------|
| 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 |
|-----------------------------|---------------------|----------------------|-----------------|

Data Outcome

- **Read** - The event details will be shown on the system and the administrator, organizer or user can read it.

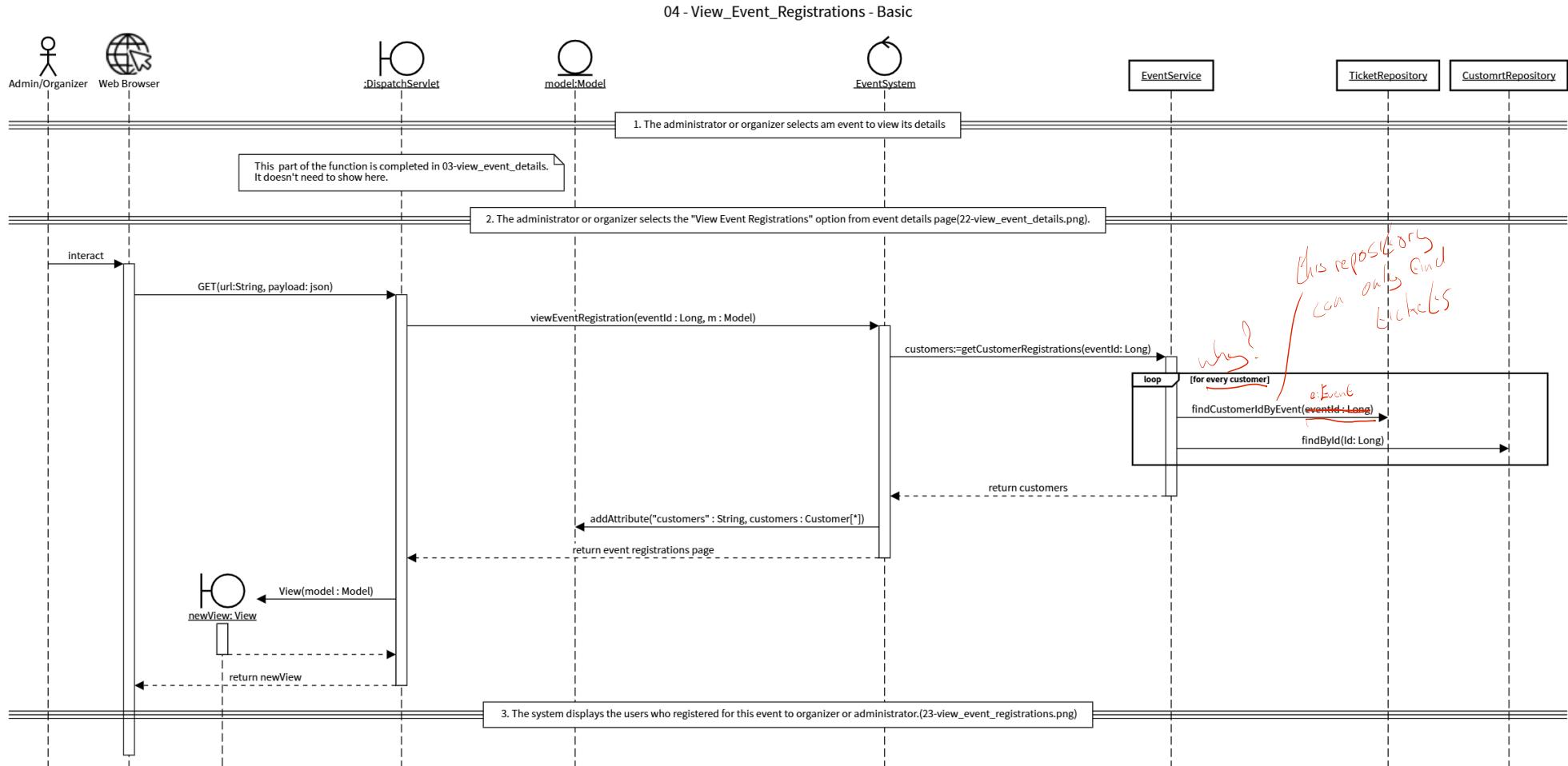
Filename - 03-design/usecases/docs/04-view_event_registrations.md

04 View Event Registrations

Basic Course of Events

- 1. The administrator or organizer selects an event to view its details
- 2. The administrator or organizer selects the “View Event Registrations” option from event details page(22-view_event_details.png).
- 3. The system displays the users who registered for this event to organizer or administrator.(23-view_event_registrations.png)

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

| | | | |
|------------------------------|--------------------|-----------------------|-----------------|
| 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 event registrations](#)

View Event Registration

[View Event Registration Page](#)

A screenshot of a user interface showing a list of registered users for an event. The list is contained within a white rounded rectangle with a thin gray border, which is itself centered on a larger light gray background area. The text "Users who have registered for this event:" is displayed in bold black font at the top left of the list area. Below this, five names are listed vertically: Ruixin, Shuhan, Zitong, Chenle, and Yuze. At the bottom center of the list area is a blue rectangular button with the word "Back" in white.

Data Outcome

- **Read** - The event registrations will be shown on the system and the administrator or organizer can read it.

Filename - 03-design/usecases/docs/05-create_venue.md

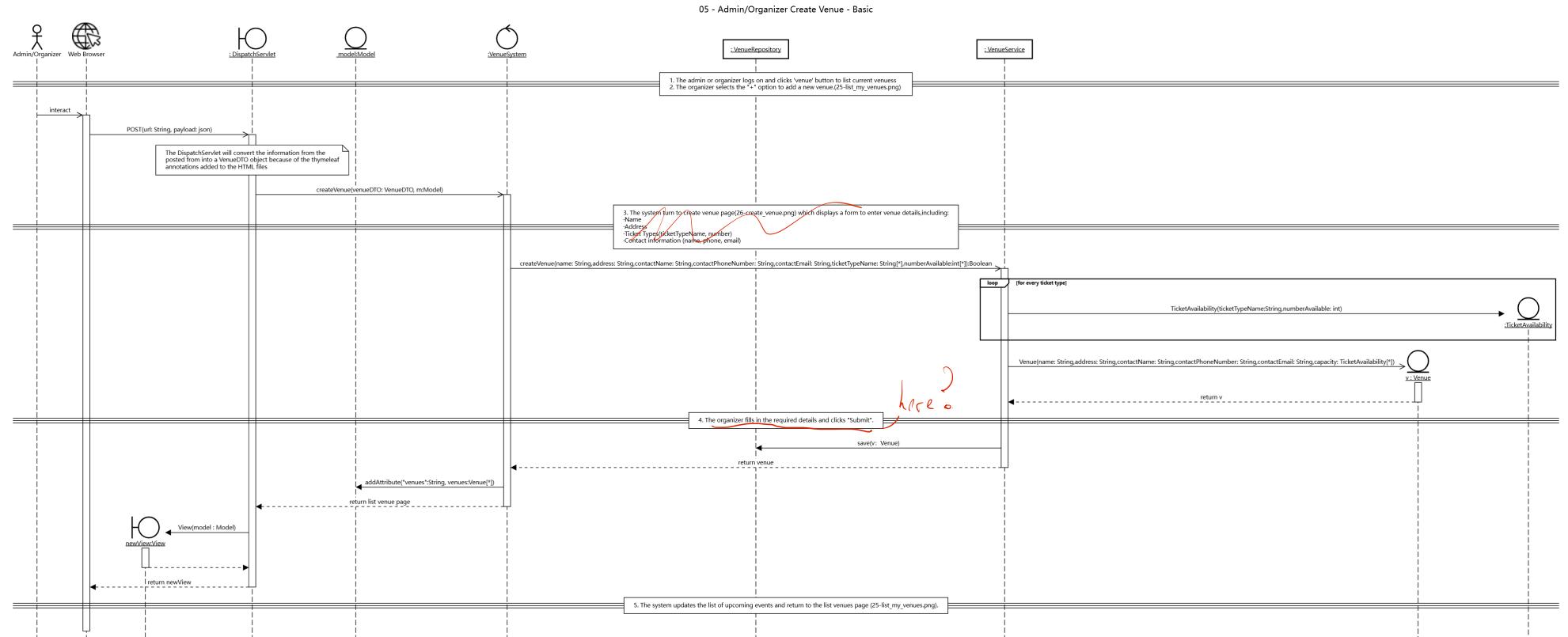
05 Create Venue

Basic Course of Events

- 1. The admin or organizer logs on and clicks ‘venue’ button to list current venues
- 2. The organizer selects the “+” option to add a new venue.(25-list_my_venues.png)

- 3. The system turns 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)
- 4. The organizer fills in the required details and clicks “Submit”.
- 5. 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

Create Venue Page

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 | Edit |
| Venue 2 | 456 Broadway | 100 people reserved | Edit |
| Venue 3 | 789 Market St | 75 people reserved | Edit |
| Venue 4 | 987 Center St | 150 people reserved | Edit |

[Create Venue](#)

Add Venue

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

Standing

Available Number

500

Ticket Type

Seated

Available Number

100

Ticket Type

Premium

Available Number

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](#)

Data Outcome

- **Create** - The venue will be created.
- **Update** - The number of venues will be updated

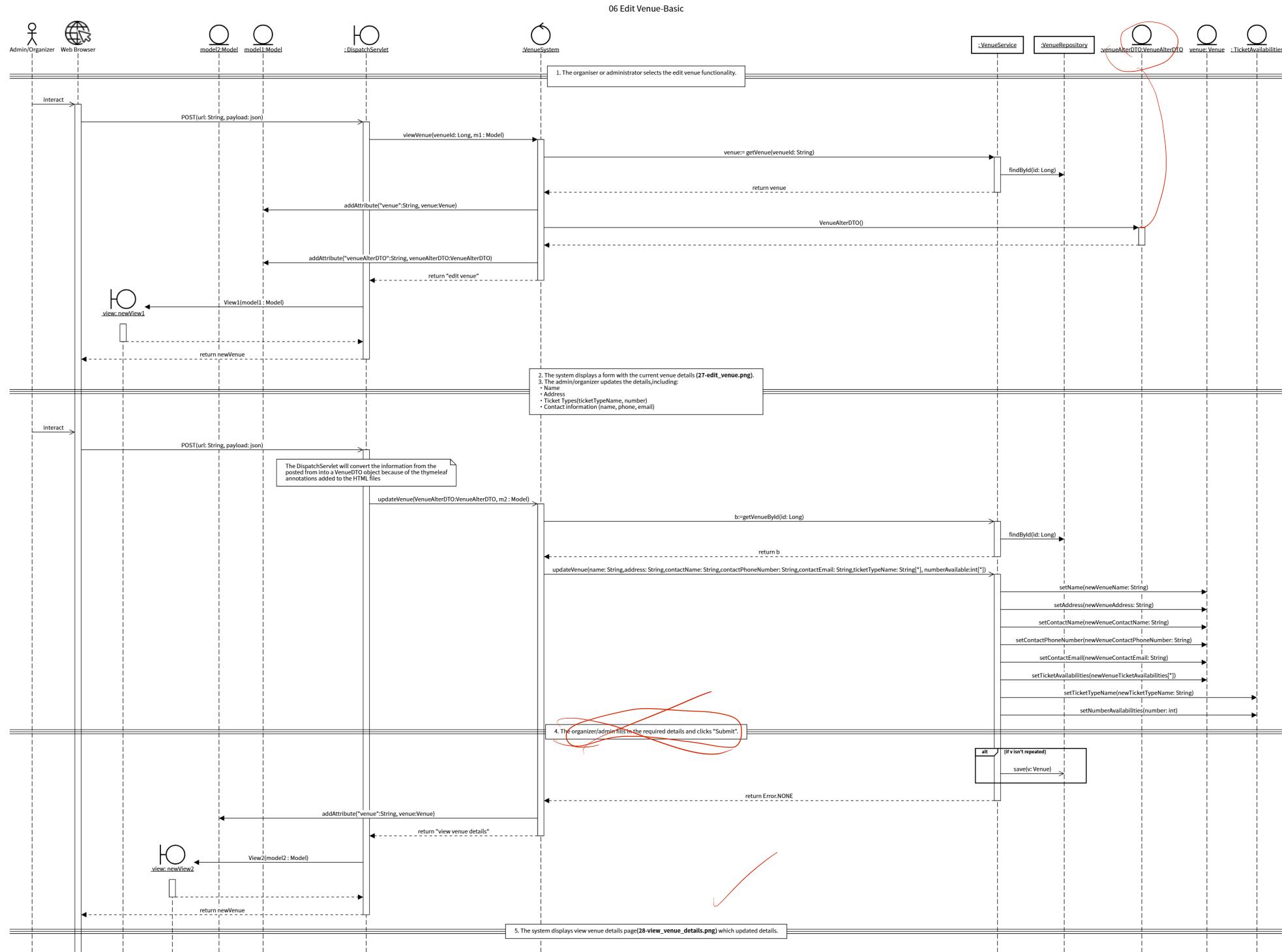
Filename - 03-design/usecases/docs/06-edit_venue.md

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 displays view venue details page(28-view_venue_details.png) which updated details.

Sequence Diagram



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 | Edit |
| Venue 2 | 456 Broadway | 100 people reserved | Edit |
| Venue 3 | 789 Market St | 75 people reserved | Edit |
| Venue 4 | 987 Center St | 150 people reserved | Edit |

[Create Venue](#)

All Venues

| Venue | Address | Reservations | Actions |
|---------|---------------|---------------------|--|
| Venue 1 | 123 Main St | 50 people reserved | Edit View History Delete |
| Venue 2 | 456 Broadway | 100 people reserved | Edit View History Delete |
| Venue 3 | 789 Market St | 75 people reserved | Edit View History Delete |
| Venue 4 | 987 Center St | 150 people reserved | Edit View History Delete |

[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**

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.

Error: Duplicate Venue

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

[Back](#)

Data Outcome

- **Update** - The details of selected venue will be updated.

Filename - 03-design/usecases/docs/07-view_venue_details.md

07 View Venue Details

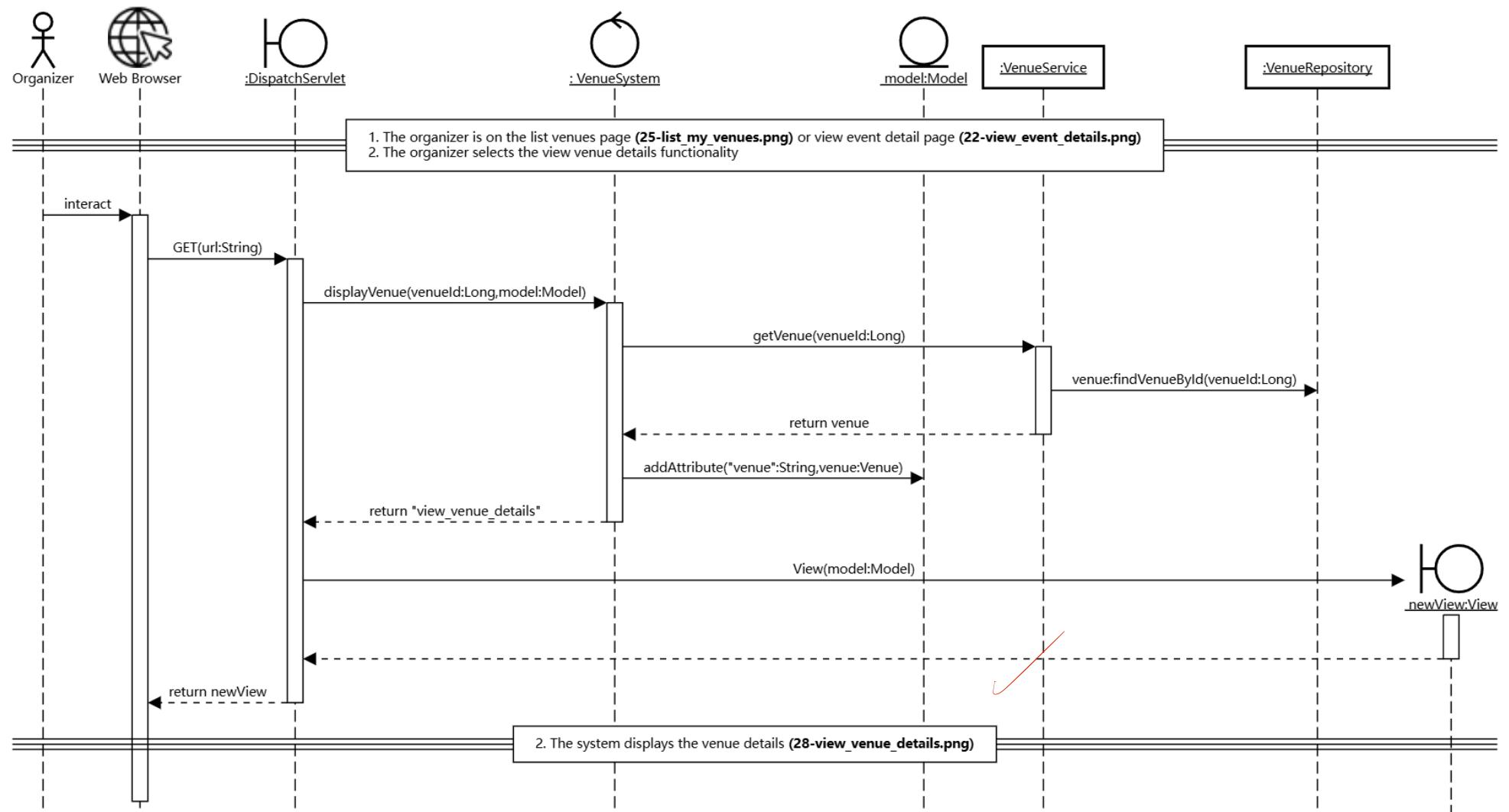
Basic Course of Events

1. The administrator, organizer or customer 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;

Sequence Diagram

Organizer

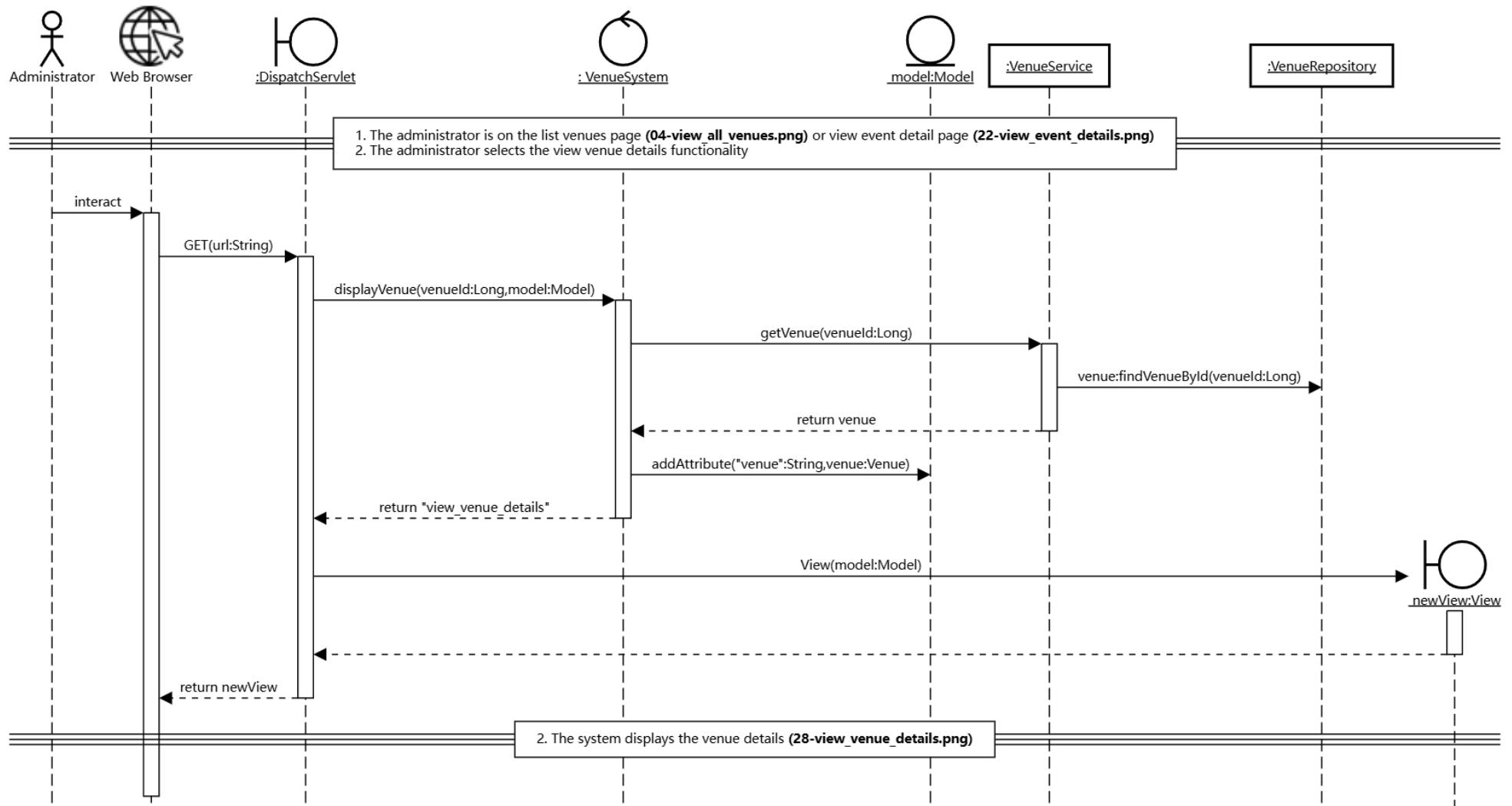
07 View venue details organizer basic



Administrator

07-View venue details administrator basic

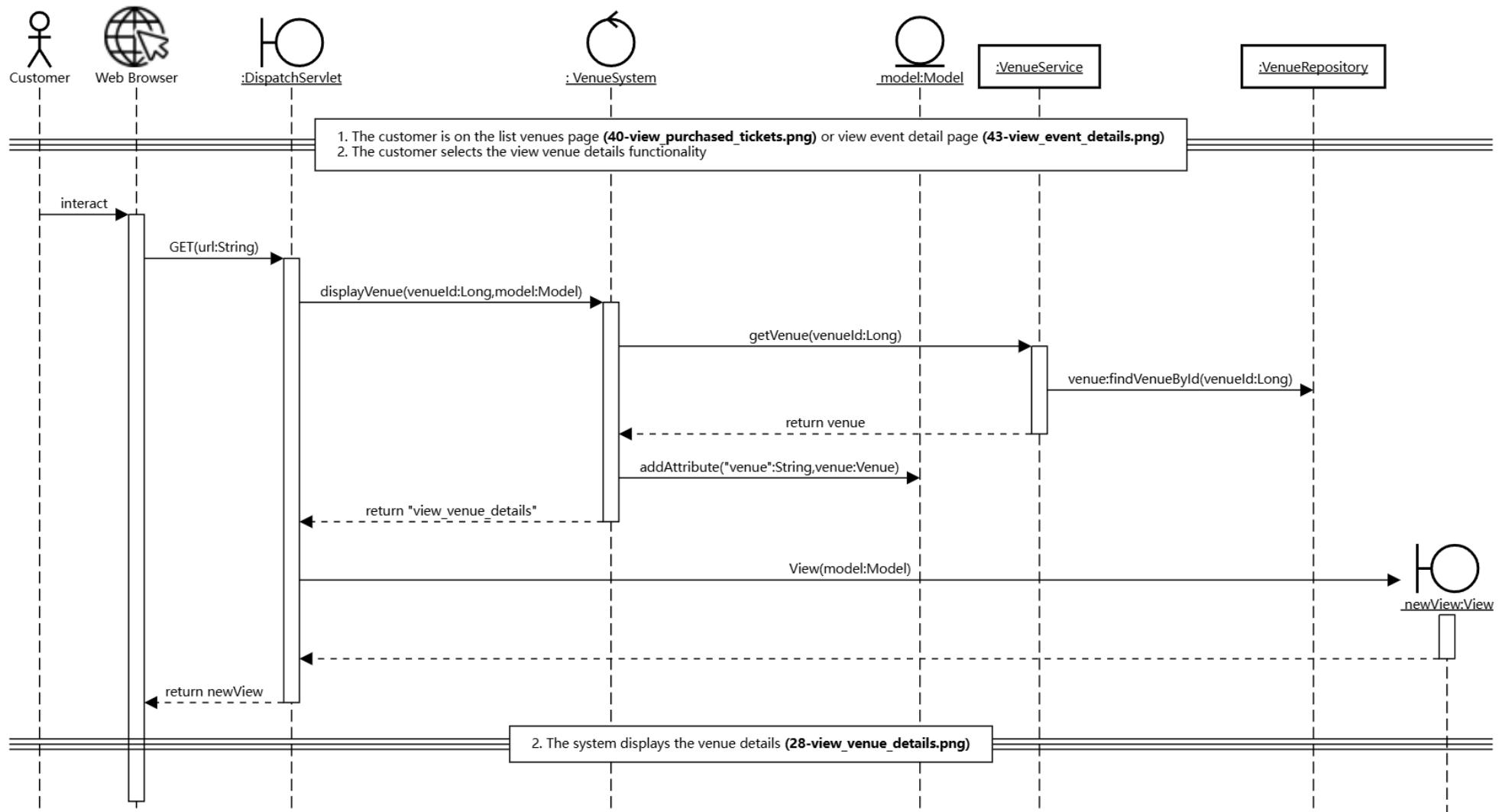
Same



Customer

07 View venue details customer basic

Same



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 | Edit View History Delete |
| Venue 2 | 456 Broadway | 100 people reserved | Edit View History Delete |
| Venue 3 | 789 Market St | 75 people reserved | Edit View History Delete |
| Venue 4 | 987 Center St | 150 people reserved | Edit View History Delete |

[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

| | | | |
|------------------------------|--------------------|-----------------------|-----------------|
| 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 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.

Customer

There are 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 | Edit |
| Venue 2 | 456 Broadway | 100 people reserved | Edit |
| Venue 3 | 789 Market St | 75 people reserved | Edit |
| Venue 4 | 987 Center St | 150 people reserved | Edit |

[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

| | | | |
|------------------------------|--------------------|-----------------------|-----------------|
| 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 event registrations](#)

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.

Data Outcome

- Read - The details of selected venue will be shown.

08 Modify Account

Basic Course of Events

Course of Events– Administrator Modifying Administrator Account

- The administrator is on the view all accounts page(07-view_all_accounts_administrators.png), the default selection area is “Administrator” part.
- The administrator selects “edit” option of an administrator account from list.
- The system displays the modify account page (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_administrators.png) and show the updated account.

Course of Events– Administrator Modifying Customer Account

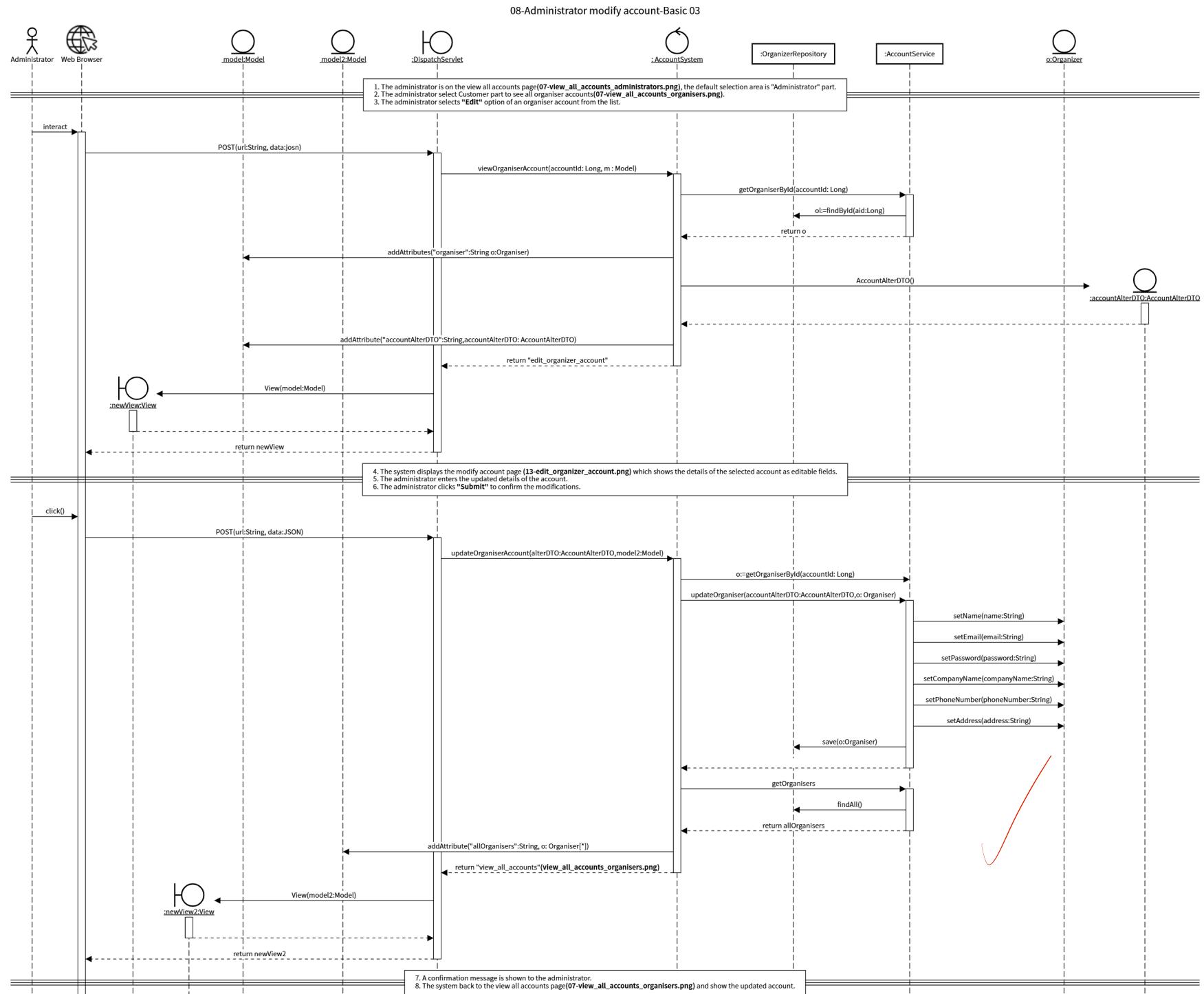
- The administrator is on the view all accounts page(07-view_all_accounts_administrators.png), the default selection area is “Administrator” part.
- The administrator select Customer part to see all customer accounts(07-view_all_accounts_customers.png).
- The administrator selects “edit” option of a customer account from the list.
- The system displays the modify account page (12-edit_customer_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_customers.png) and show the updated account.

Course of Events– Administrator Modifying Organiser Account

- The administrator is on the view all accounts page(07-view_all_accounts_administrators.png), the default selection area is “Administrator” part.
- The administrator select Customer part to see all organiser accounts(07-view_all_accounts_organisers.png).
- The administrator selects “edit” option of an organiser account from the list.
- The system displays the modify account page (13-edit_organizer_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_organisers.png) and show the updated account.

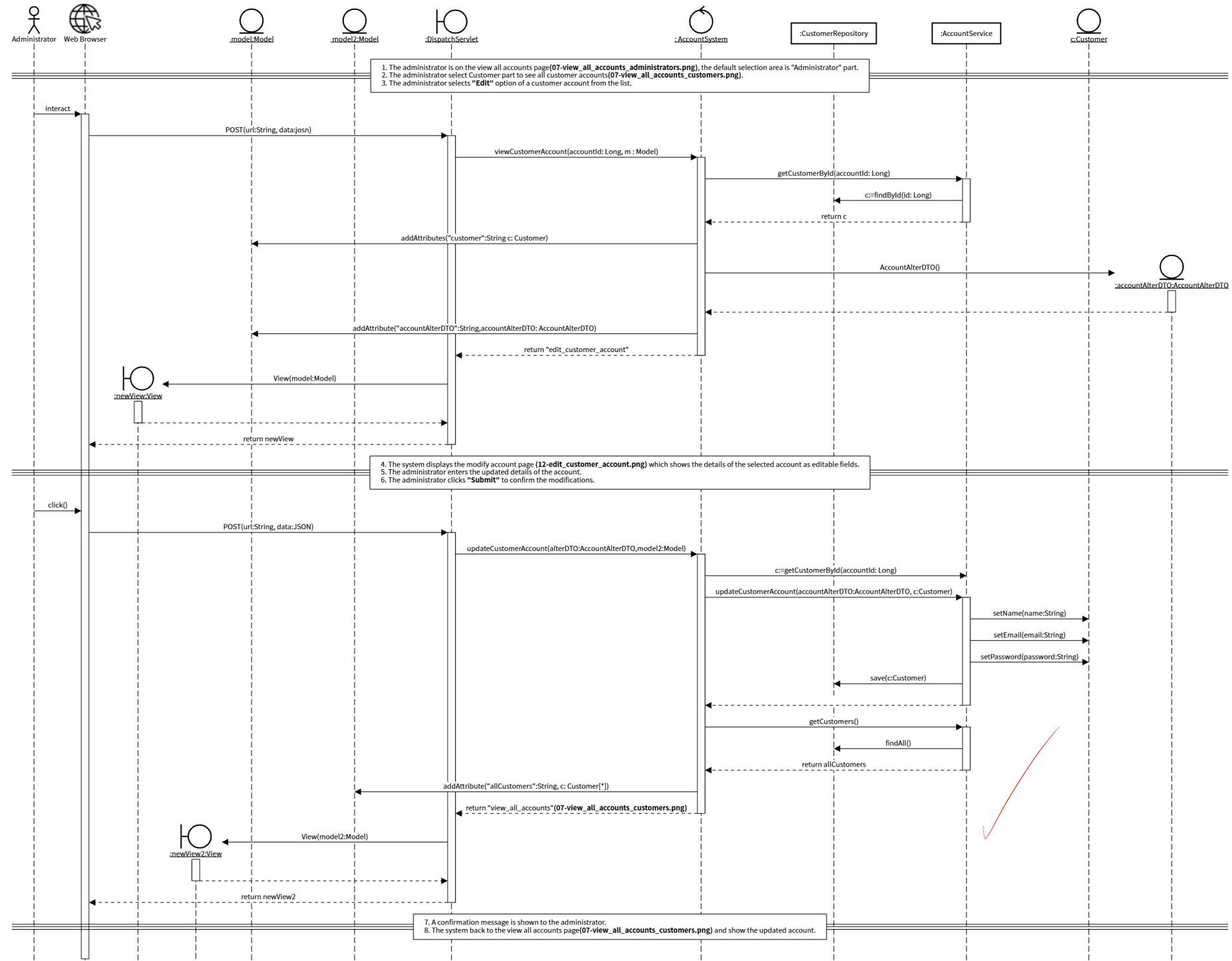
Sequence Diagram

Administrator Modifying Organizer Account



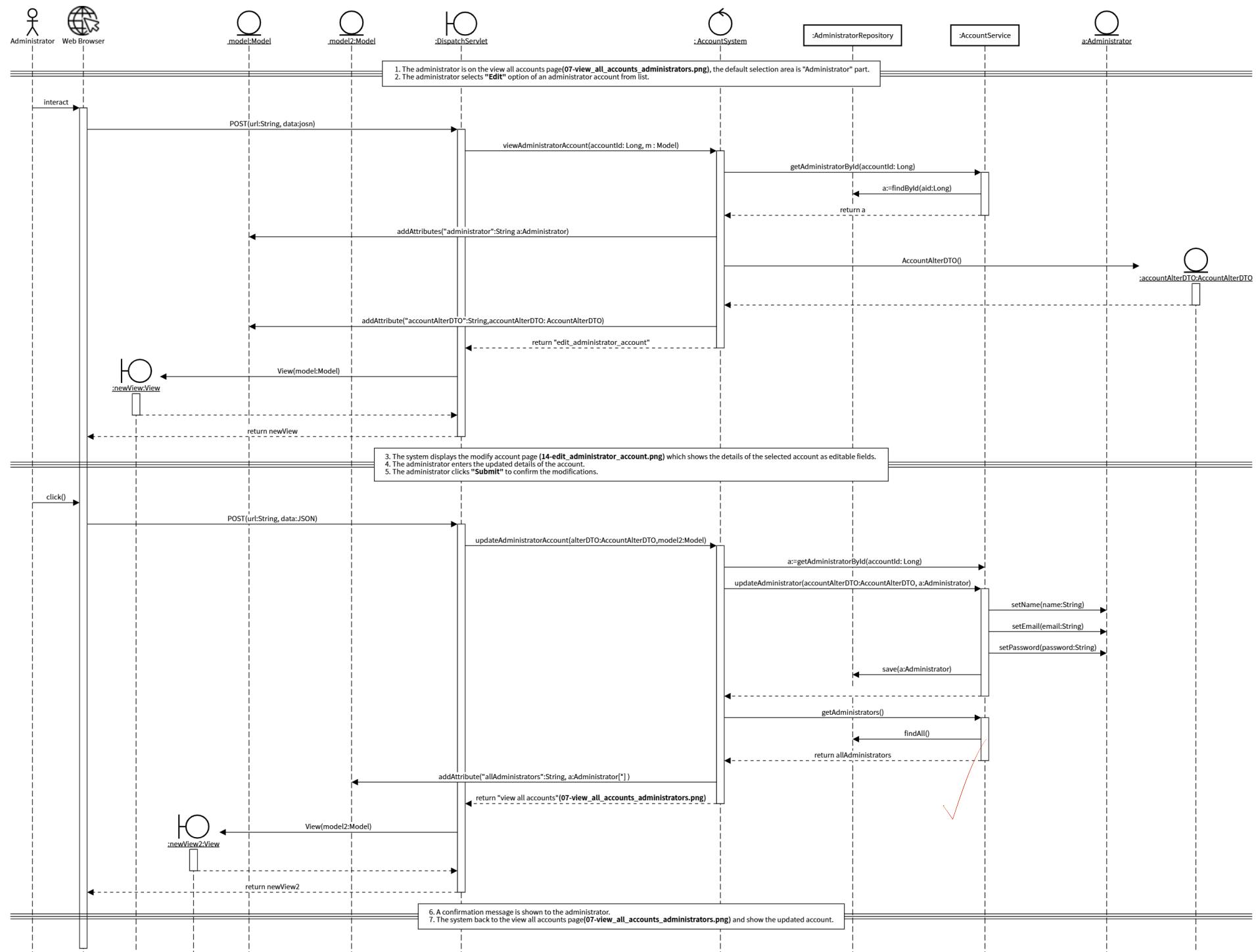
Administrator Modifying Customer Account

08-Administrator modify account-Basic 02



Administrator Modifying Administrator Account

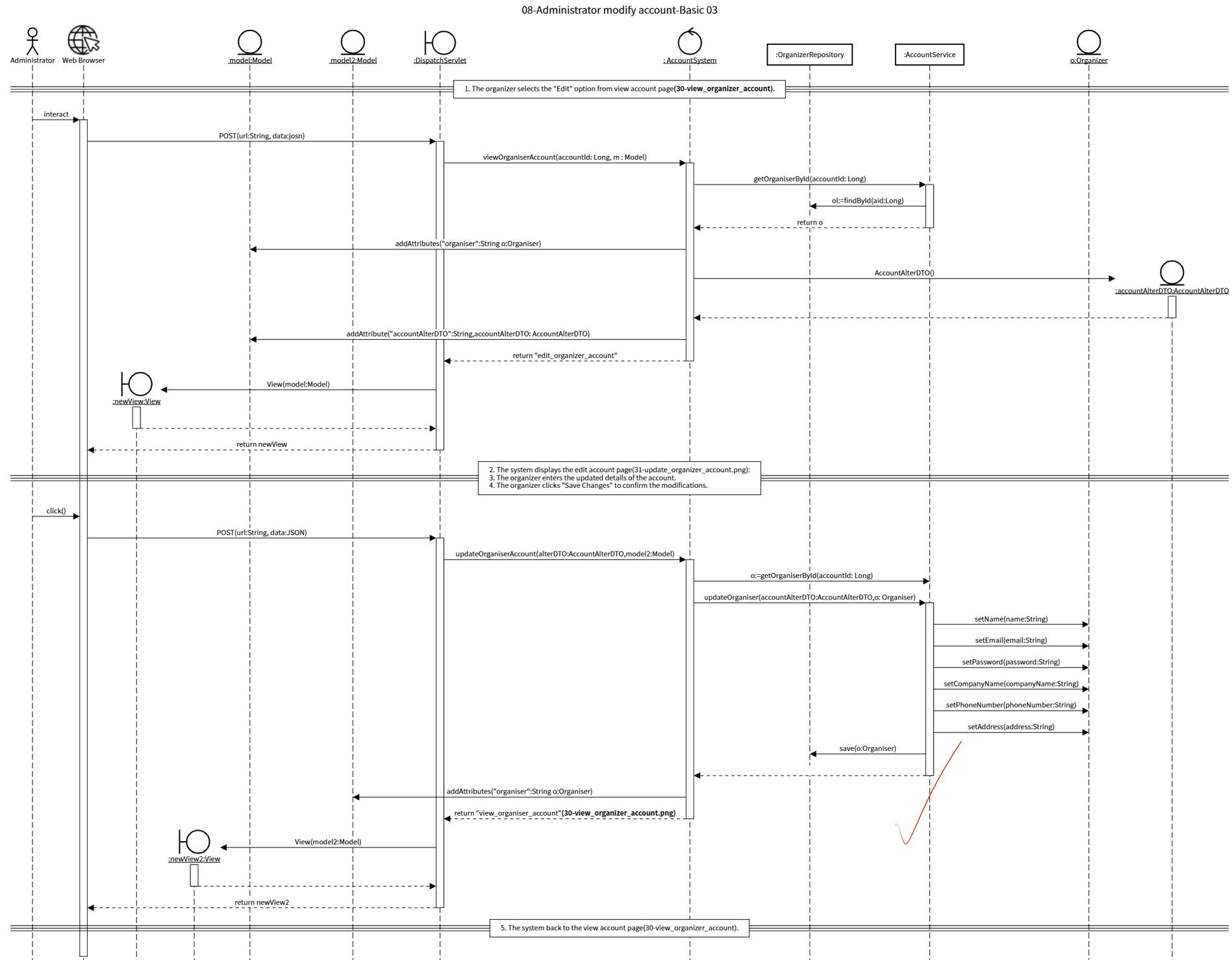
08-Administrator modify account-Basic 01



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).

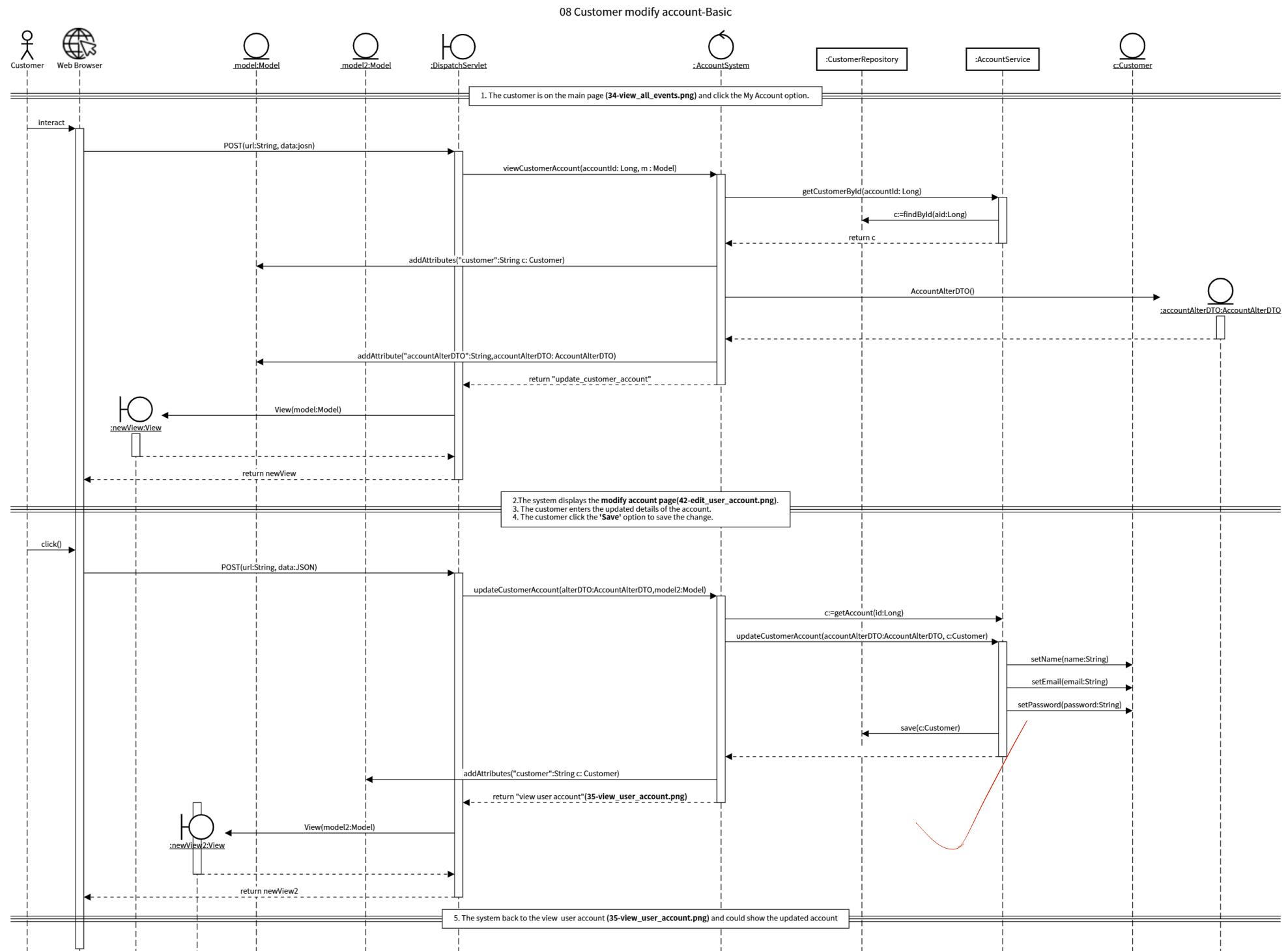
Sequence Diagram



Course of Events– Customer Modifying Their Accounts

- The customer 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 customer enters the updated details of the account.
- The customer 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 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 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 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 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 administrator must be on at the start to complete the use case.

The administrator is on the “view all accounts” page, which has 3 lists of different types.

Account Management - Customer

Customer Organiser Administrator

| Username | Role | Permission | Edit | Disable | Delete |
|----------|---------------|----------------------------|----------------------|-------------------------|------------------------|
| Oliver | Administrator | Permission | Edit | Disable | Delete |
| Oscar | Administrator | Permission | Edit | Disable | Delete |
| Peter | Administrator | Permission | Edit | Disable | Delete |
| Quinn | Administrator | Permission | Edit | Disable | Delete |
| Rachel | Administrator | Permission | Edit | Disable | Delete |
| Sam | Administrator | Permission | Edit | Disable | Delete |
| Tina | Administrator | Permission | Edit | Disable | Delete |
| Uma | Administrator | Permission | Edit | Disable | Delete |
| Violet | Administrator | Permission | Edit | Disable | Delete |
| Will | Administrator | Permission | Edit | Disable | Delete |

[Back](#)

[New Account](#)

Account Management - Customer

Customer Organiser Administrator

| Username | Role | Permission | Edit | Disable | Delete |
|----------|-----------|----------------------------|----------------------|-------------------------|------------------------|
| Oliver | Organiser | Permission | Edit | Disable | Delete |
| Oscar | Organiser | Permission | Edit | Disable | Delete |
| Peter | Organiser | Permission | Edit | Disable | Delete |
| Quinn | Organiser | Permission | Edit | Disable | Delete |
| Rachel | Organiser | Permission | Edit | Disable | Delete |
| Sam | Organiser | Permission | Edit | Disable | Delete |
| Tina | Organiser | Permission | Edit | Disable | Delete |
| Uma | Organiser | Permission | Edit | Disable | Delete |
| Violet | Organiser | Permission | Edit | Disable | Delete |
| Will | Organiser | Permission | Edit | Disable | Delete |

[Back](#)

[New Account](#)

Account Management - Customer

[Customer](#) [Organiser](#) [Administrator](#)

| Username | Role | Permission | Edit | Disable | Delete |
|----------|----------|----------------------------|----------------------|-------------------------|------------------------|
| Alice | Customer | Permission | Edit | Disable | Delete |
| Alice | Customer | Permission | Edit | Disable | Delete |
| Bob | Customer | Permission | Edit | Disable | Delete |
| Charlie | Customer | Permission | Edit | Disable | Delete |
| David | Customer | Permission | Edit | Disable | Delete |
| Emma | Customer | Permission | Edit | Disable | Delete |
| Frank | Customer | Permission | Edit | Disable | Delete |
| Grace | Customer | Permission | Edit | Disable | Delete |
| Hank | Customer | Permission | Edit | Disable | Delete |
| Ivy | Customer | Permission | Edit | Disable | Delete |
| Jack | Customer | Permission | Edit | Disable | Delete |

[Back](#)

[New Account](#)

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 organizer 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—Customer Modifying Their Accounts

This is the page that the customer 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 - 03-design/usecases/docs/09-view_account.md

09 View Account

Basic Course of Events

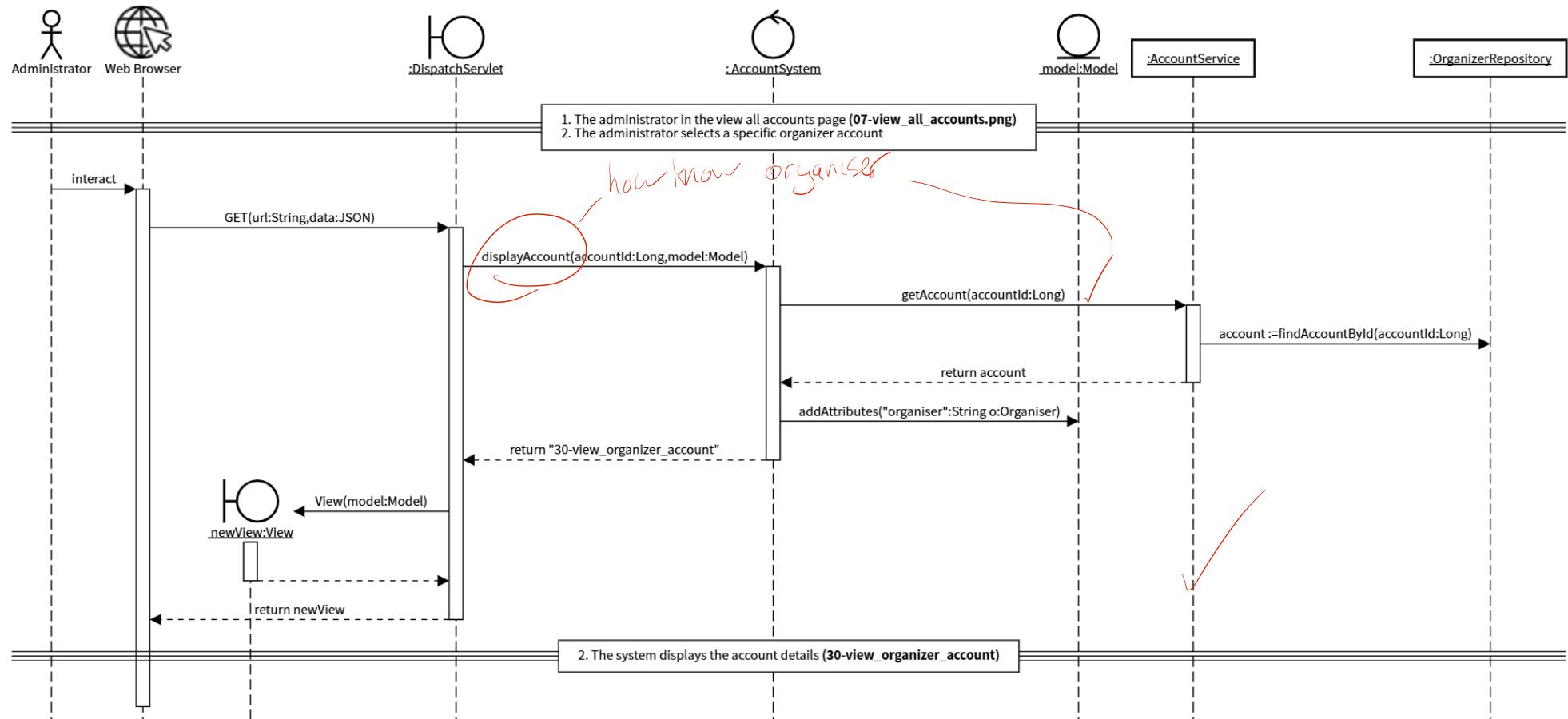
Course of Events– Administrator Viewing Other Accounts

- 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

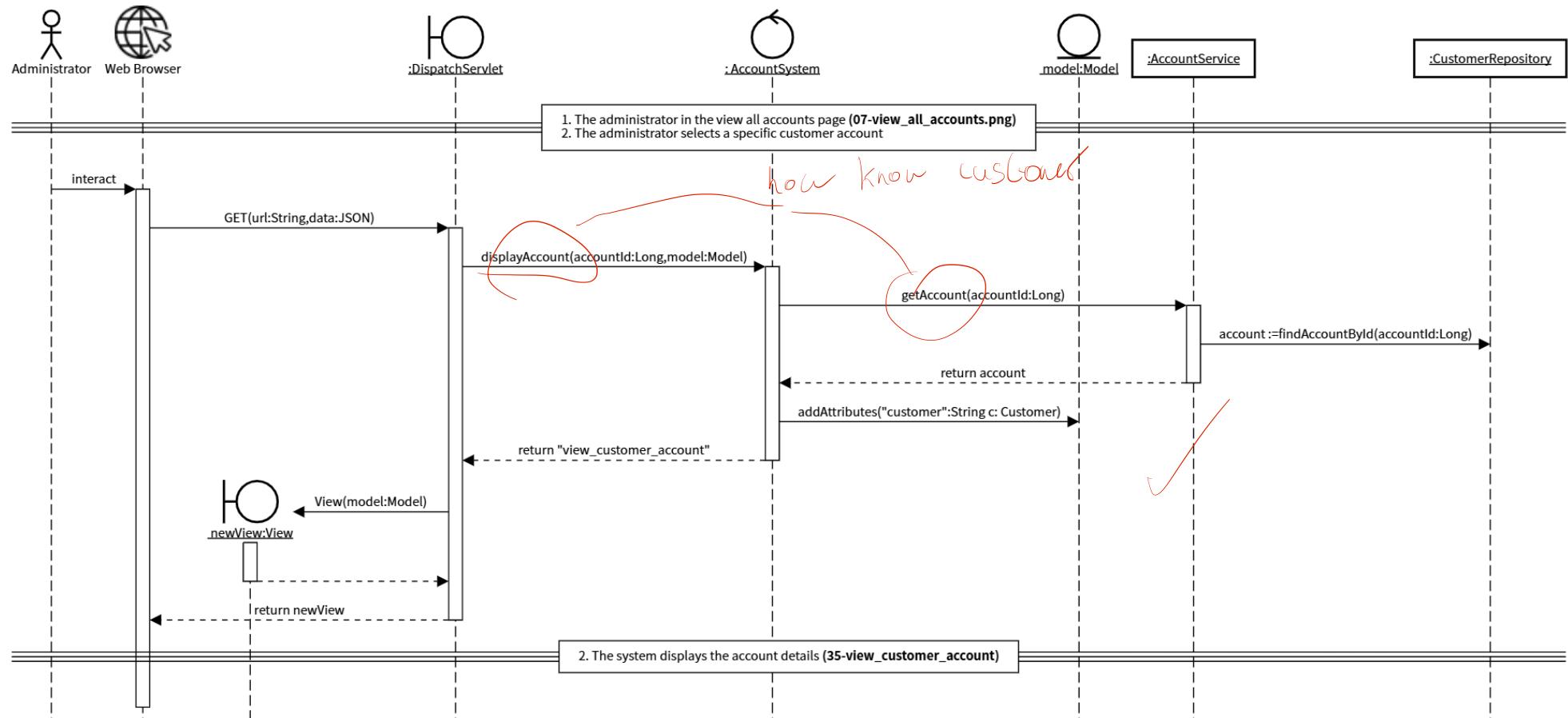
View Organizer

09 Administrator view organizer account basic



View Customer

09 Administrator view customer account basic

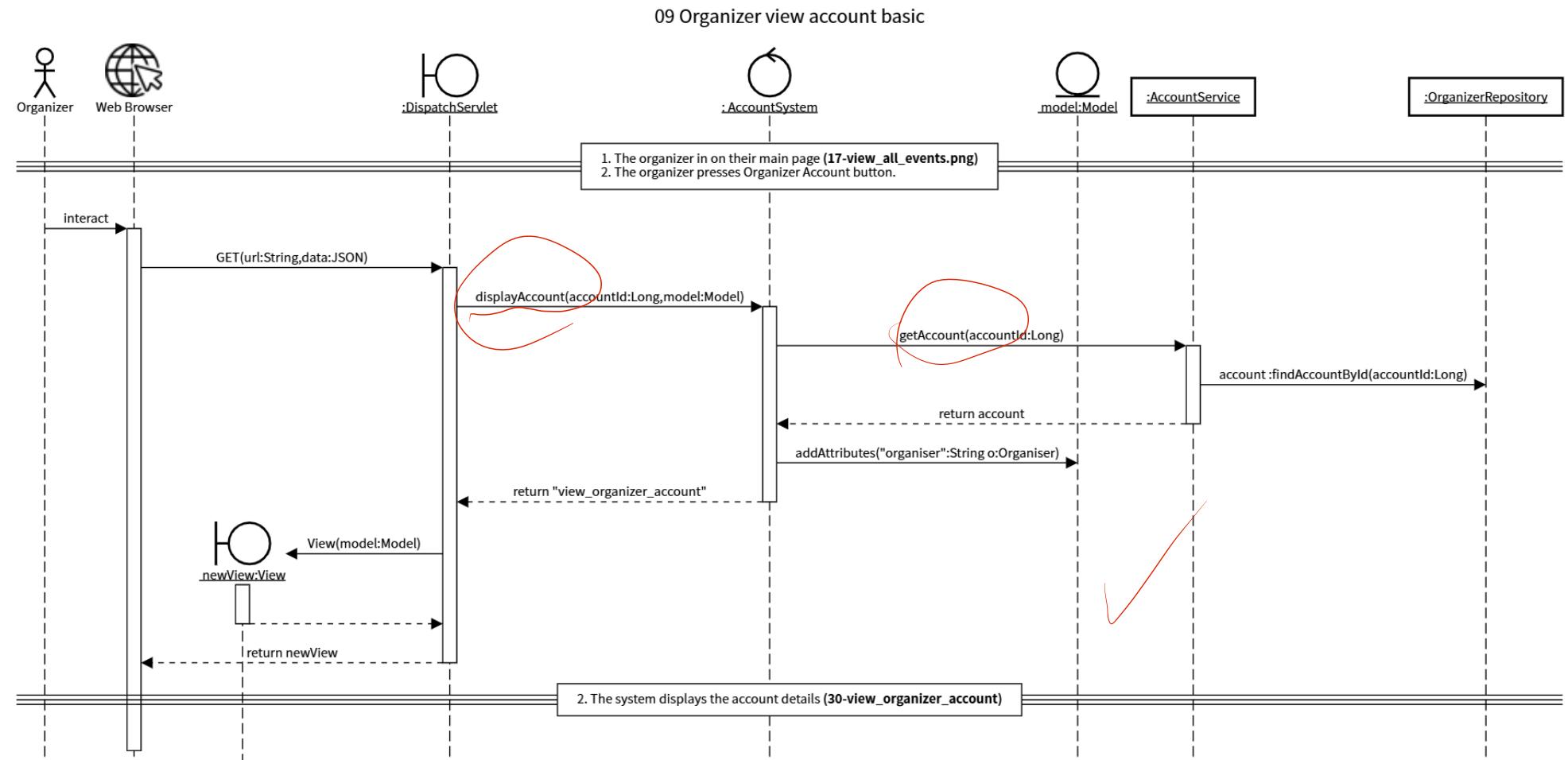


Course of Events– Any User Viewing Their Account

- The organizer or customer 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

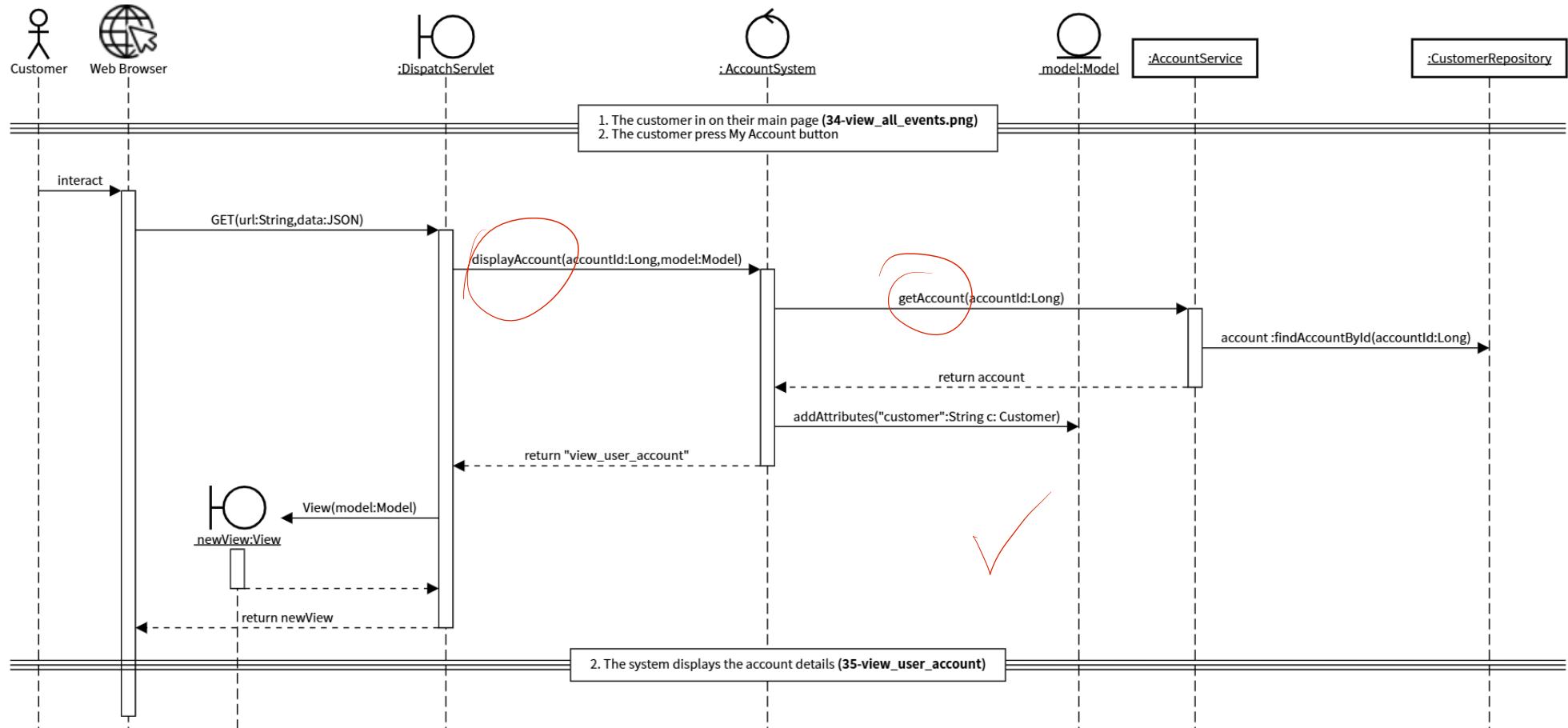
Sequence Diagram

Organizer



Customer

09 Customer view account basic



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

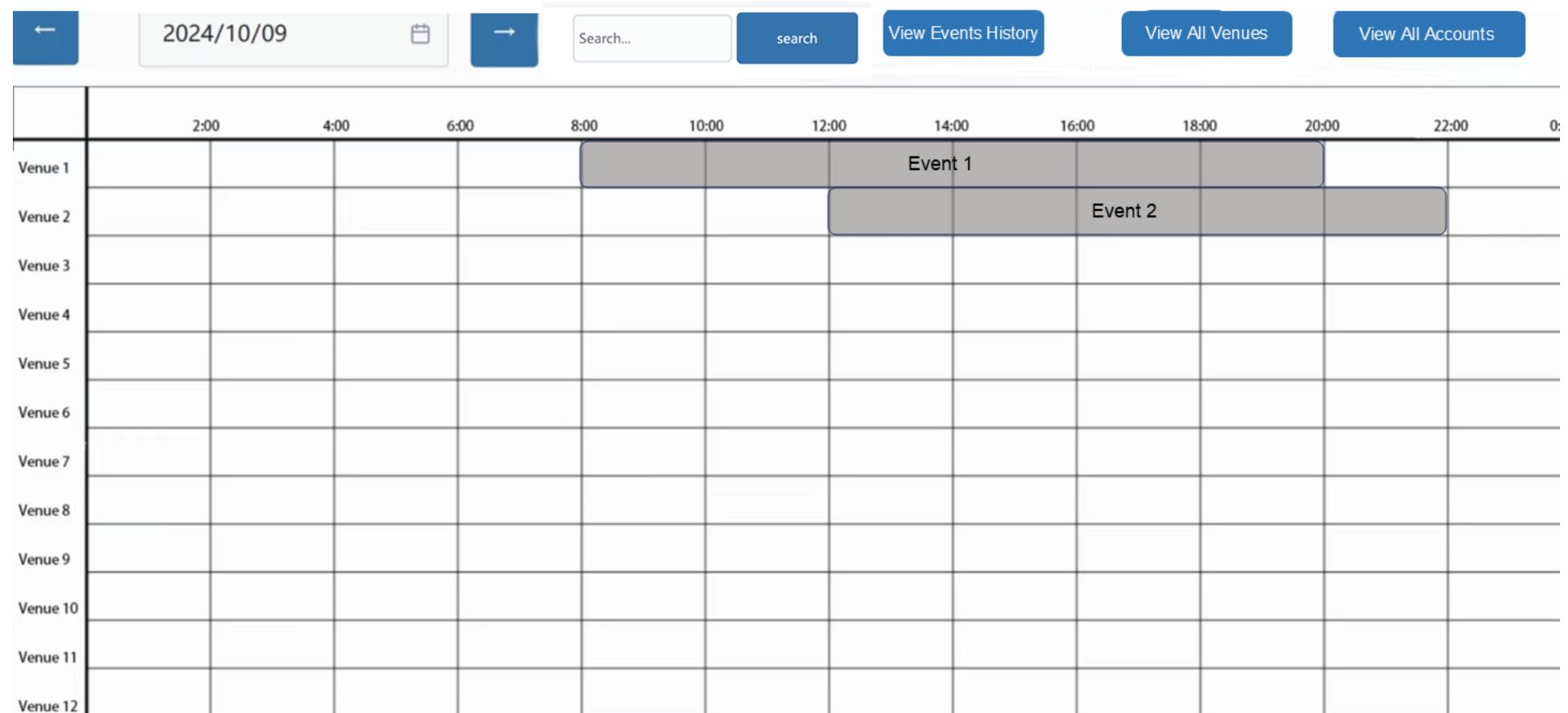
- This does not need a sequence diagram because it is same as previous and won't use different method.

UI Sketches

Administrator

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

Main Page



Account Management - Customer

Customer Organiser **Administrator**

| Username | Role | Permission | Edit | Disable | Delete |
|----------|---------------|----------------------------|----------------------|-------------------------|------------------------|
| Oliver | Administrator | Permission | Edit | Disable | Delete |
| Oscar | Administrator | Permission | Edit | Disable | Delete |
| Peter | Administrator | Permission | Edit | Disable | Delete |
| Quinn | Administrator | Permission | Edit | Disable | Delete |
| Rachel | Administrator | Permission | Edit | Disable | Delete |
| Sam | Administrator | Permission | Edit | Disable | Delete |
| Tina | Administrator | Permission | Edit | Disable | Delete |
| Uma | Administrator | Permission | Edit | Disable | Delete |
| Violet | Administrator | Permission | Edit | Disable | Delete |
| Will | Administrator | Permission | Edit | Disable | Delete |

[Back](#)

[New Account](#)

Account Management - Customer

Customer Organiser Administrator

| Username | Role | Permission | Edit | Disable | Delete |
|----------|-----------|----------------------------|----------------------|-------------------------|------------------------|
| Oliver | Organiser | Permission | Edit | Disable | Delete |
| Oscar | Organiser | Permission | Edit | Disable | Delete |
| Peter | Organiser | Permission | Edit | Disable | Delete |
| Quinn | Organiser | Permission | Edit | Disable | Delete |
| Rachel | Organiser | Permission | Edit | Disable | Delete |
| Sam | Organiser | Permission | Edit | Disable | Delete |
| Tina | Organiser | Permission | Edit | Disable | Delete |
| Uma | Organiser | Permission | Edit | Disable | Delete |
| Violet | Organiser | Permission | Edit | Disable | Delete |
| Will | Organiser | Permission | Edit | Disable | Delete |

[Back](#)

[New Account](#)

Account Management - Customer

[Customer](#) [Organiser](#) [Administrator](#)

| Username | Role | Permission | Edit | Disable | Delete |
|----------|----------|----------------------------|----------------------|-------------------------|------------------------|
| Alice | Customer | Permission | Edit | Disable | Delete |
| Alice | Customer | Permission | Edit | Disable | Delete |
| Bob | Customer | Permission | Edit | Disable | Delete |
| Charlie | Customer | Permission | Edit | Disable | Delete |
| David | Customer | Permission | Edit | Disable | Delete |
| Emma | Customer | Permission | Edit | Disable | Delete |
| Frank | Customer | Permission | Edit | Disable | Delete |
| Grace | Customer | Permission | Edit | Disable | Delete |
| Hank | Customer | Permission | Edit | Disable | Delete |
| Ivy | Customer | Permission | Edit | Disable | Delete |
| Jack | Customer | Permission | Edit | Disable | Delete |

[Back](#)

[New Account](#)

[View Selected Account](#)

Customer

User Account Info

Name

Email

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

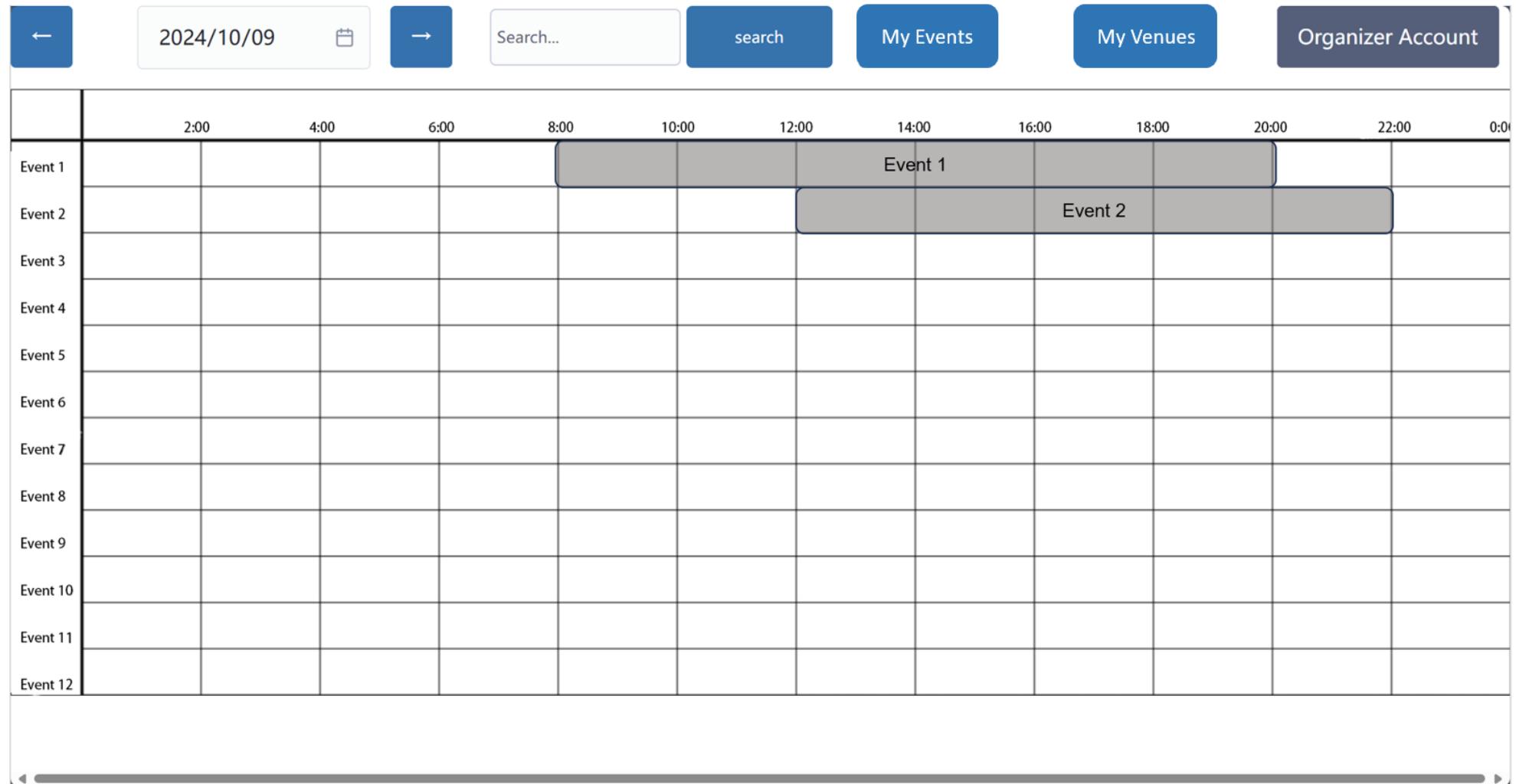
Event 4 10/02/2024 101 Elm St 120 people reserved

Edit

Organizer

There are the pages that the organiser 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

Customer

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



2024/10/09



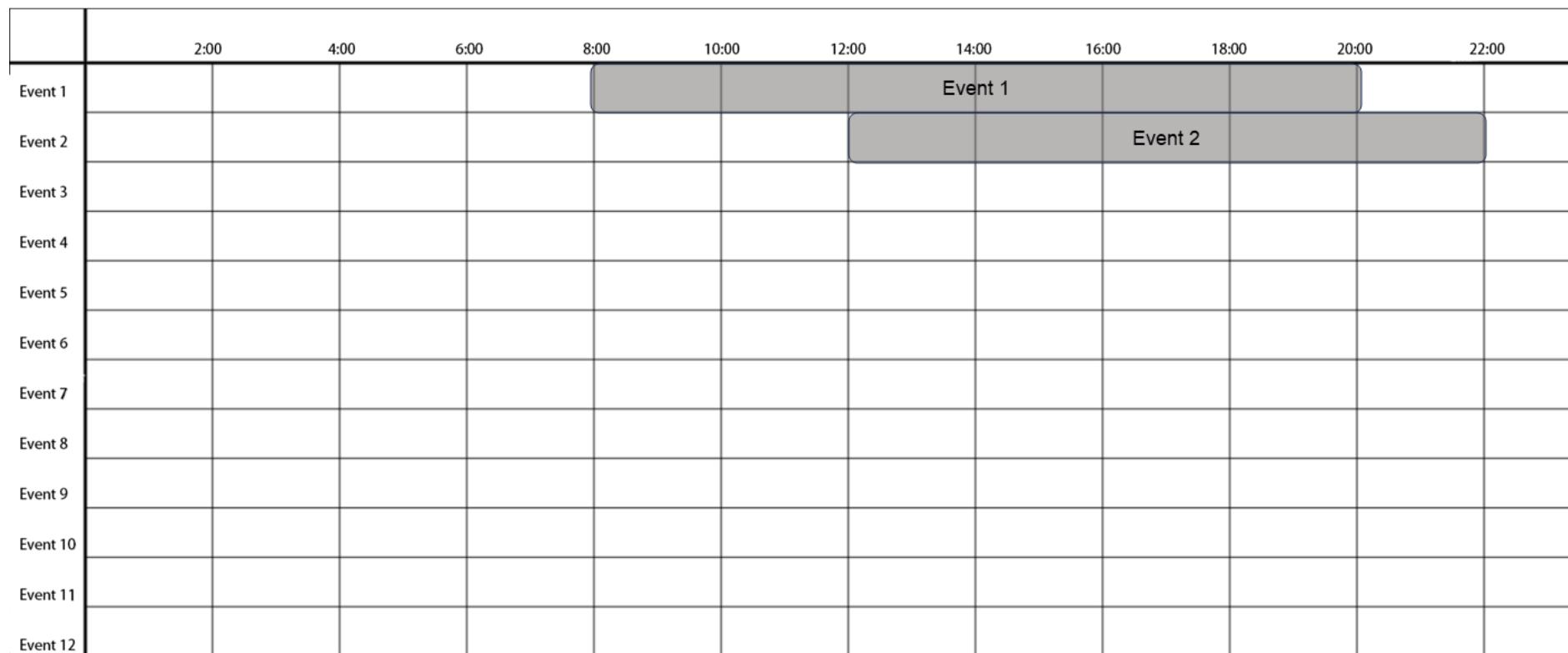
Search...

search

Upcoming

Ticket

Account



<

Main Page

User Account Info

Name

Ruixin

Email

3121423412@qq.com

Password

.....



[Cancel](#)

[Save](#)

Data Outcome

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

Filename - 03-design/usecases/docs/10-search_filter_events.md

10 Search Filter Events

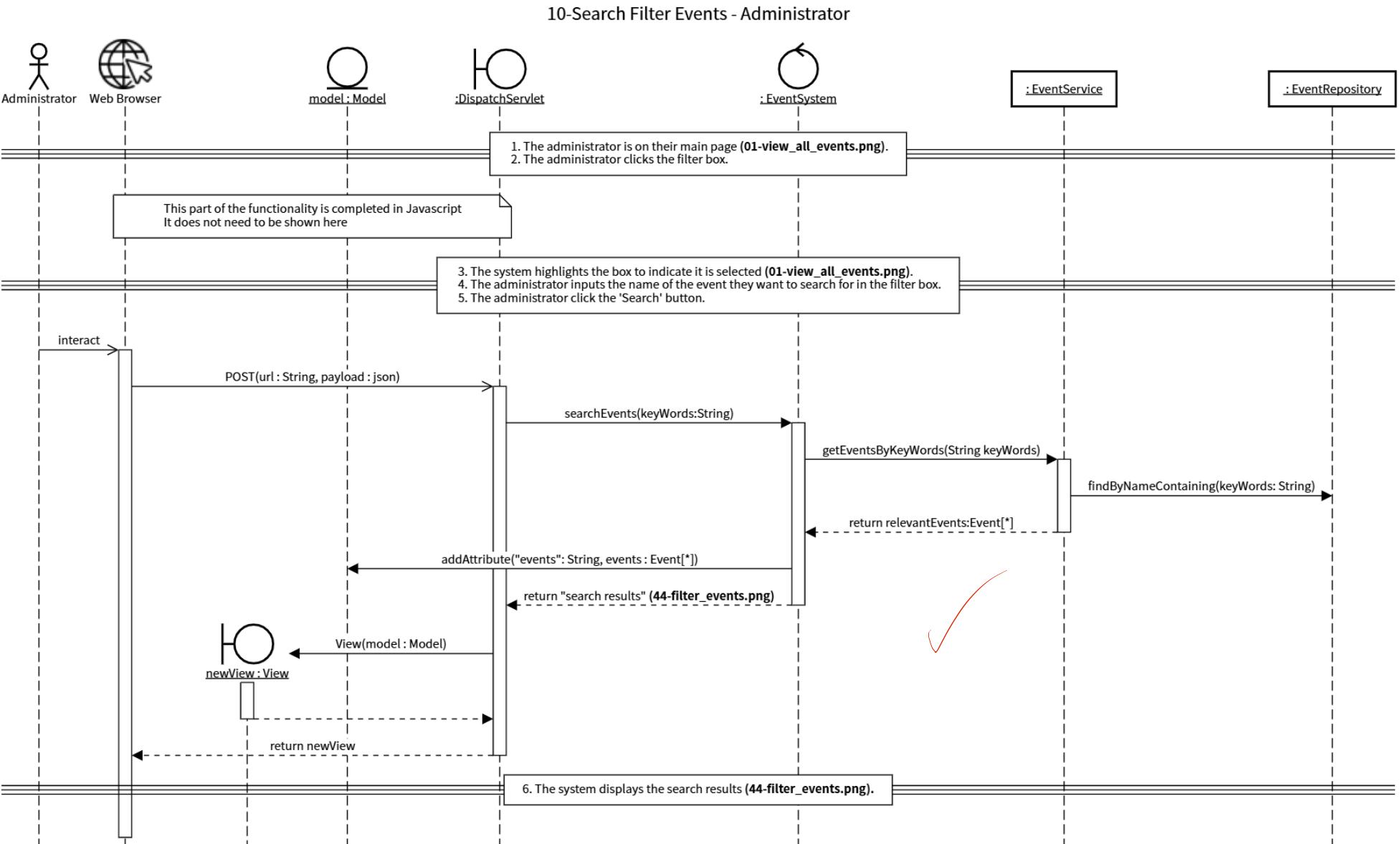
Basic Course of Events

Course of Events

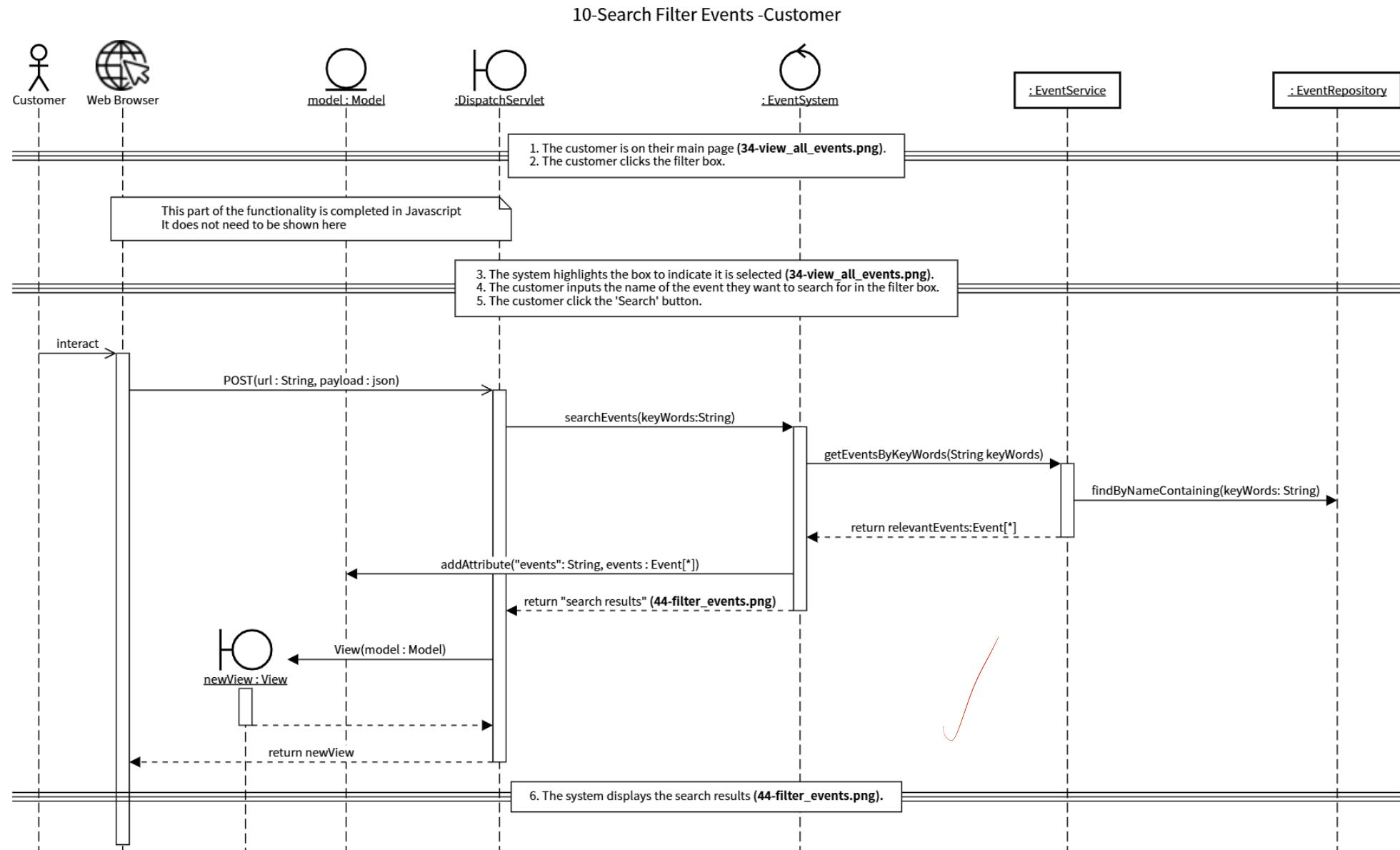
1. The customer/organizer/administrator is on their main page.
2. The customer/organizer/administrator clicks the filter box.
3. The system highlights the box to indicate it is selected(38-search_filter_events.png).
4. The customer/organizer/administrator inputs the name of the event they want to search for in the filter box.
5. The customer/organizer/administrator click the 'Search' button.
6. The system displays the search results(44-filter_events.png).

Sequence Diagram

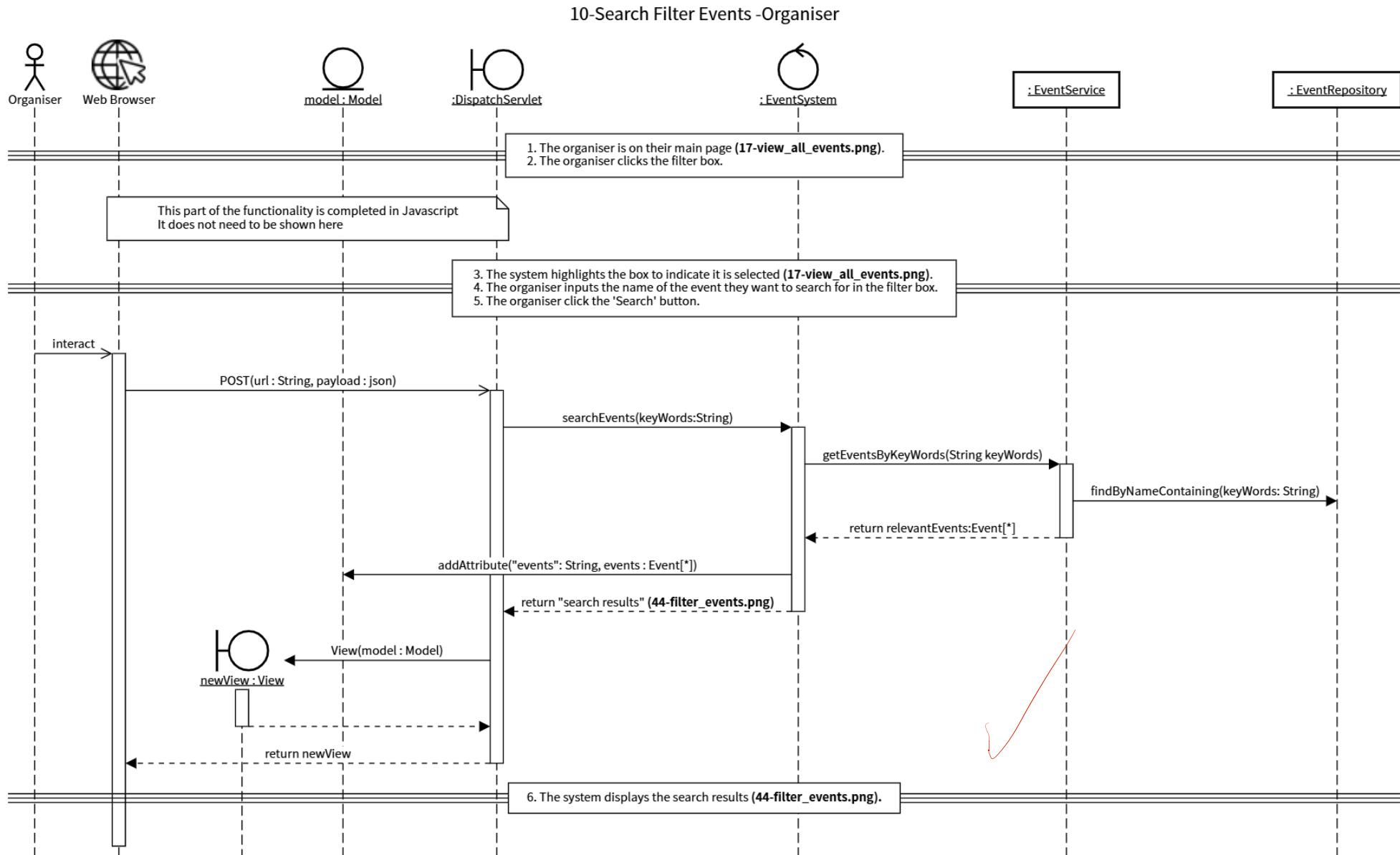
Administrator



Customer



Organizer



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

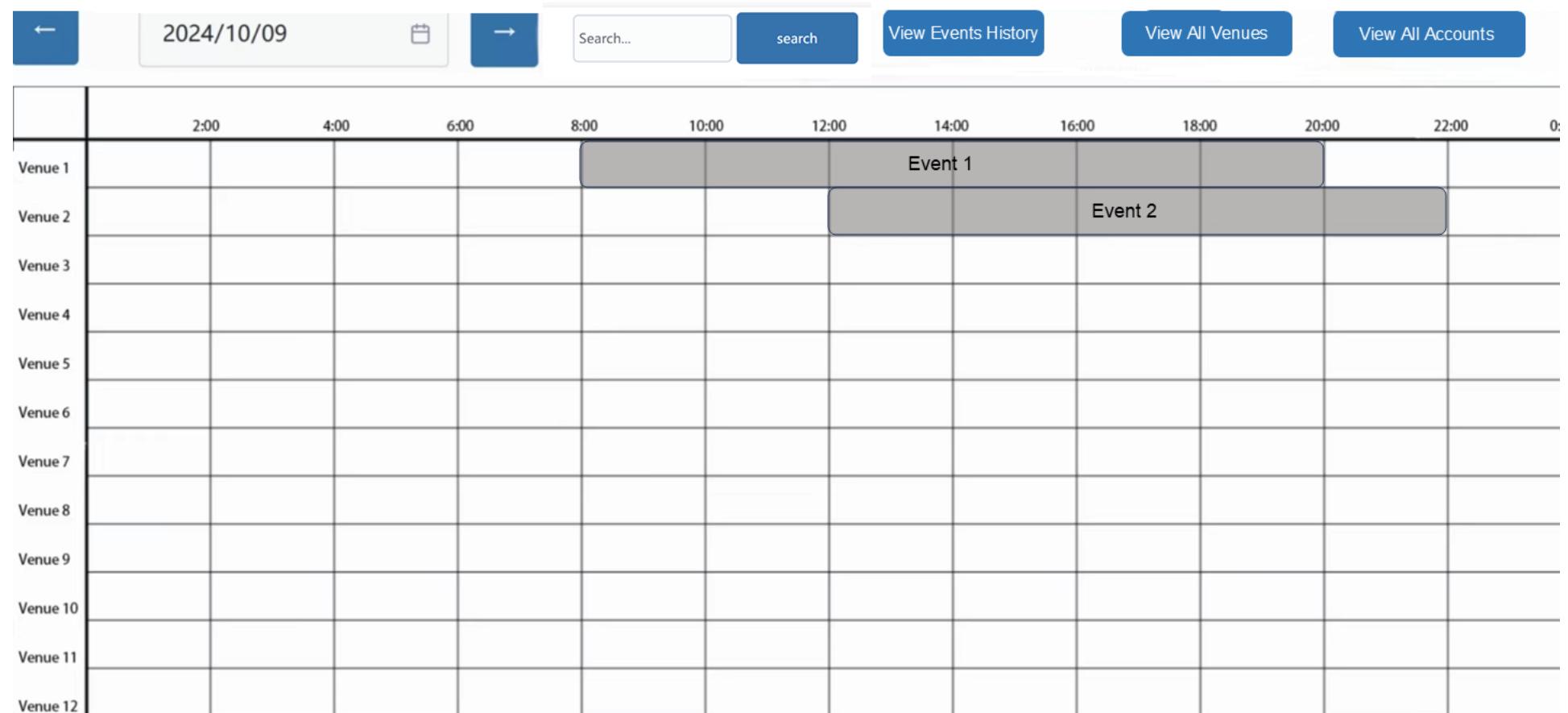
- This does not need a sequence diagram because it will be shown in front end.

UI Sketches

Administrator

This is the page that the administrator 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**

Rock Blast Tour - New York *March 15, 2024*

Rock Blast Tour - Los Angeles *April 20, 2024*

Summer Rock Festival *June 10, 2024*

Ultimate Rock Night *July 25, 2024*

Rock Legends Reunion *September 5, 2024*

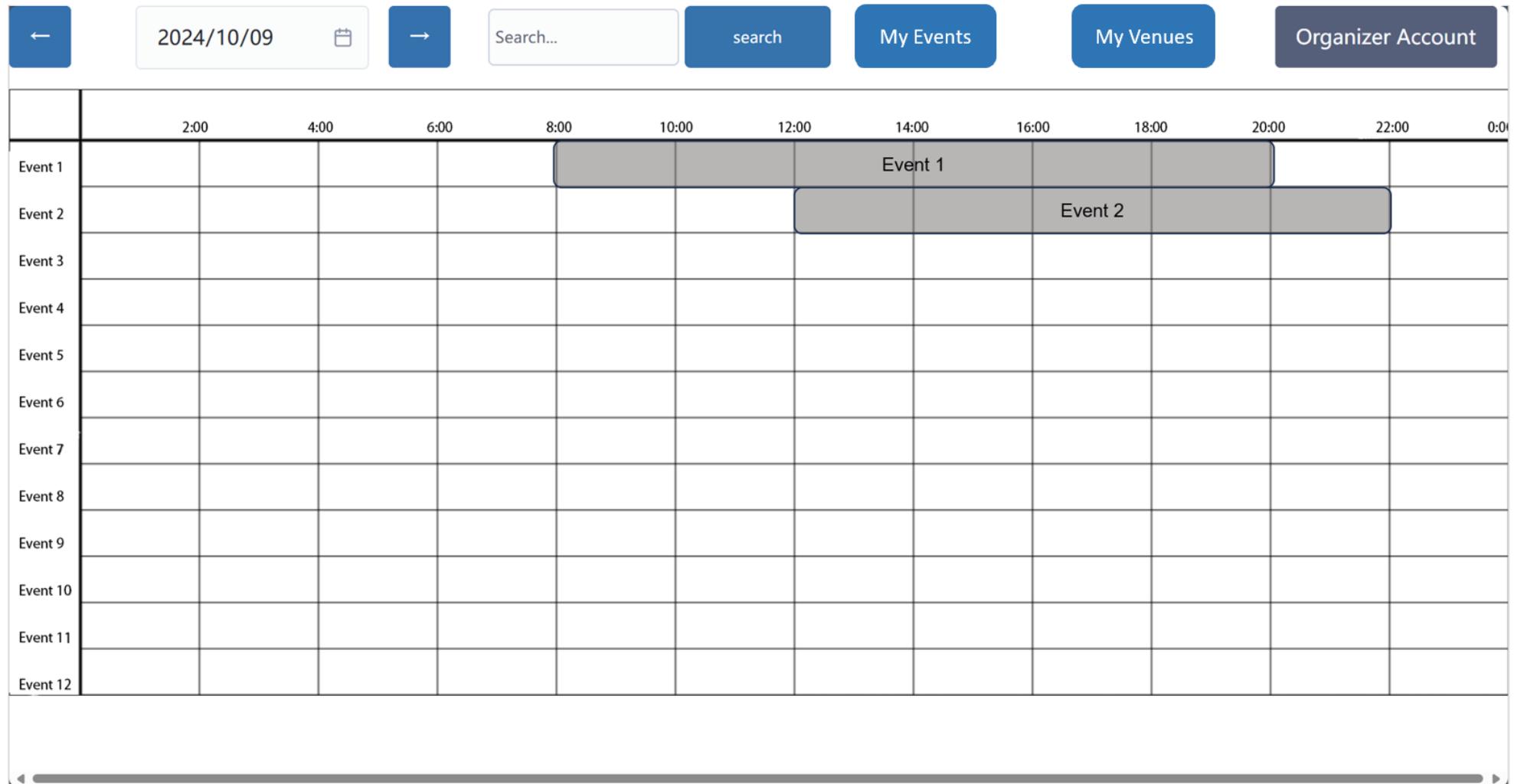
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Organizer

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

Main Page



Search

A search interface consisting of a search input field and a blue "search" button.

Search... search

Search Concerts

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

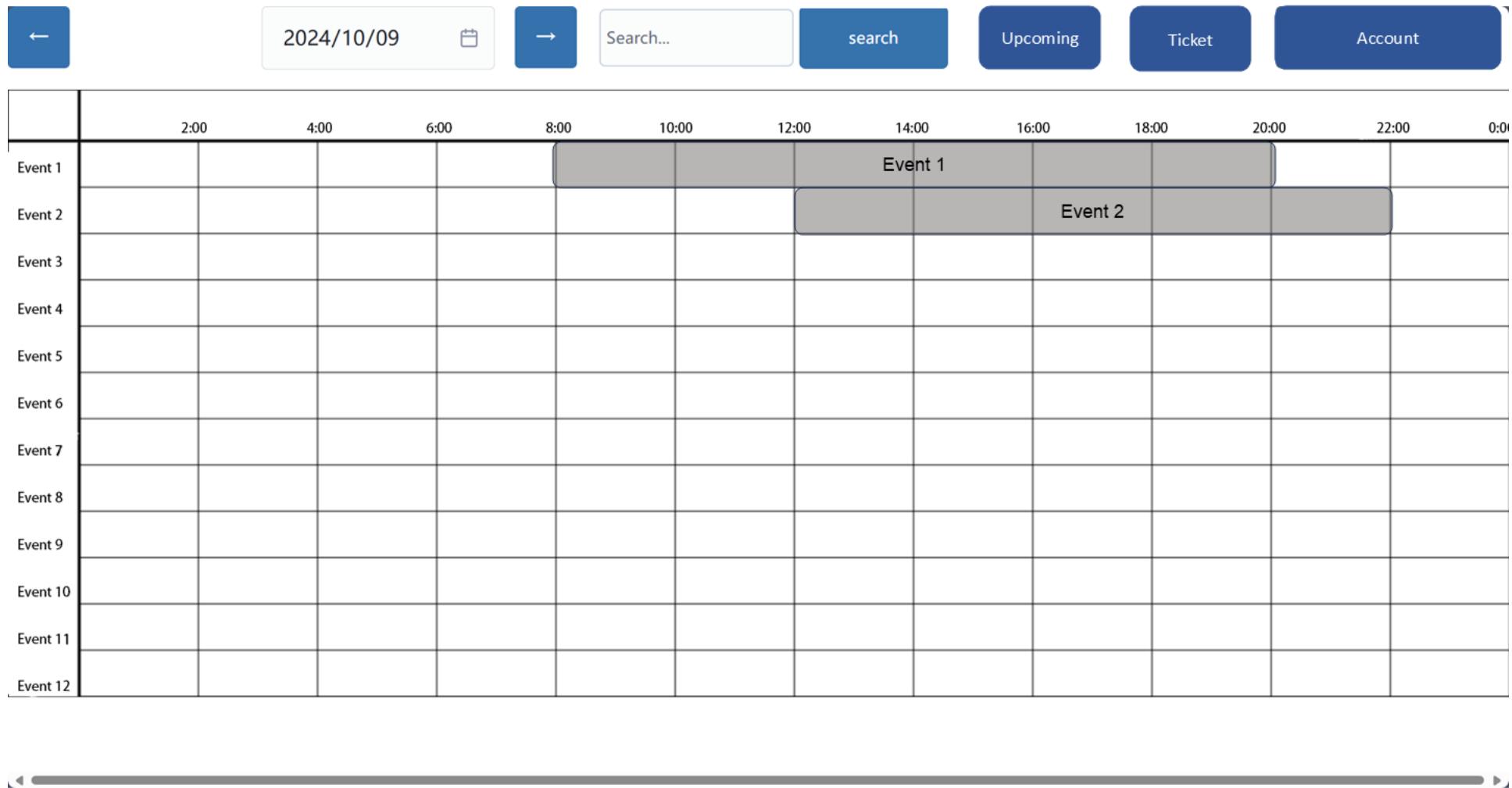
| | |
|--------------------------------------|--------------------------|
| Rock Blast Tour - New York | <i>March 15, 2024</i> |
| Rock Blast Tour - Los Angeles | <i>April 20, 2024</i> |
| Summer Rock Festival | <i>June 10, 2024</i> |
| Ultimate Rock Night | <i>July 25, 2024</i> |
| Rock Legends Reunion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

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Customer

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

Main Page



Search

Search Concerts

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

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

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Data Outcome

- **READ** - The corresponding events in the system will be read and display.

Filename - 03-design/usecases/docs/11-display_date.md

11 Display Date

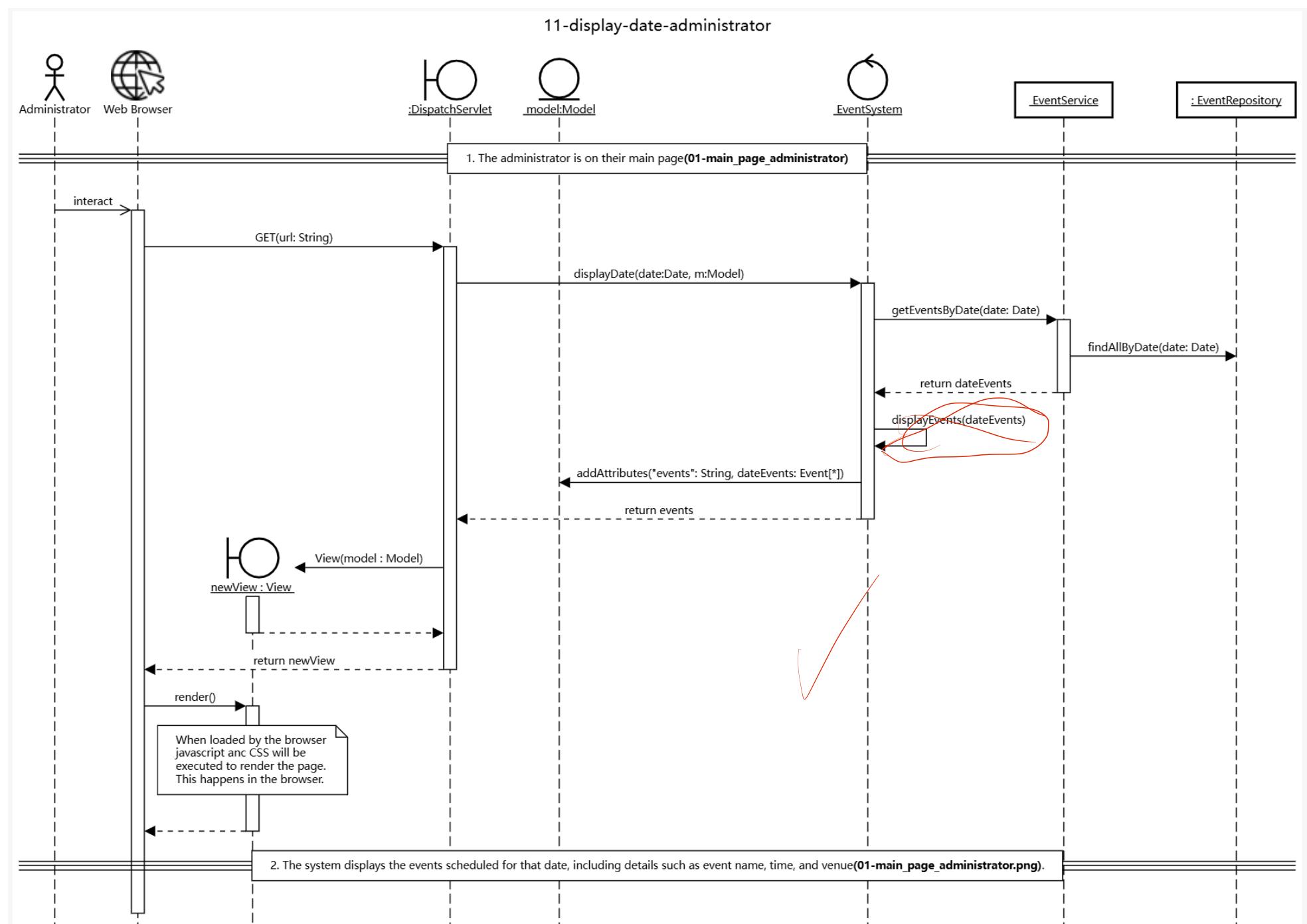
Basic Course of Events

Course of Events– Administrator

1. The administrator is on their main page(01-main_page_administrator.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(01-main_page_administrator.png).

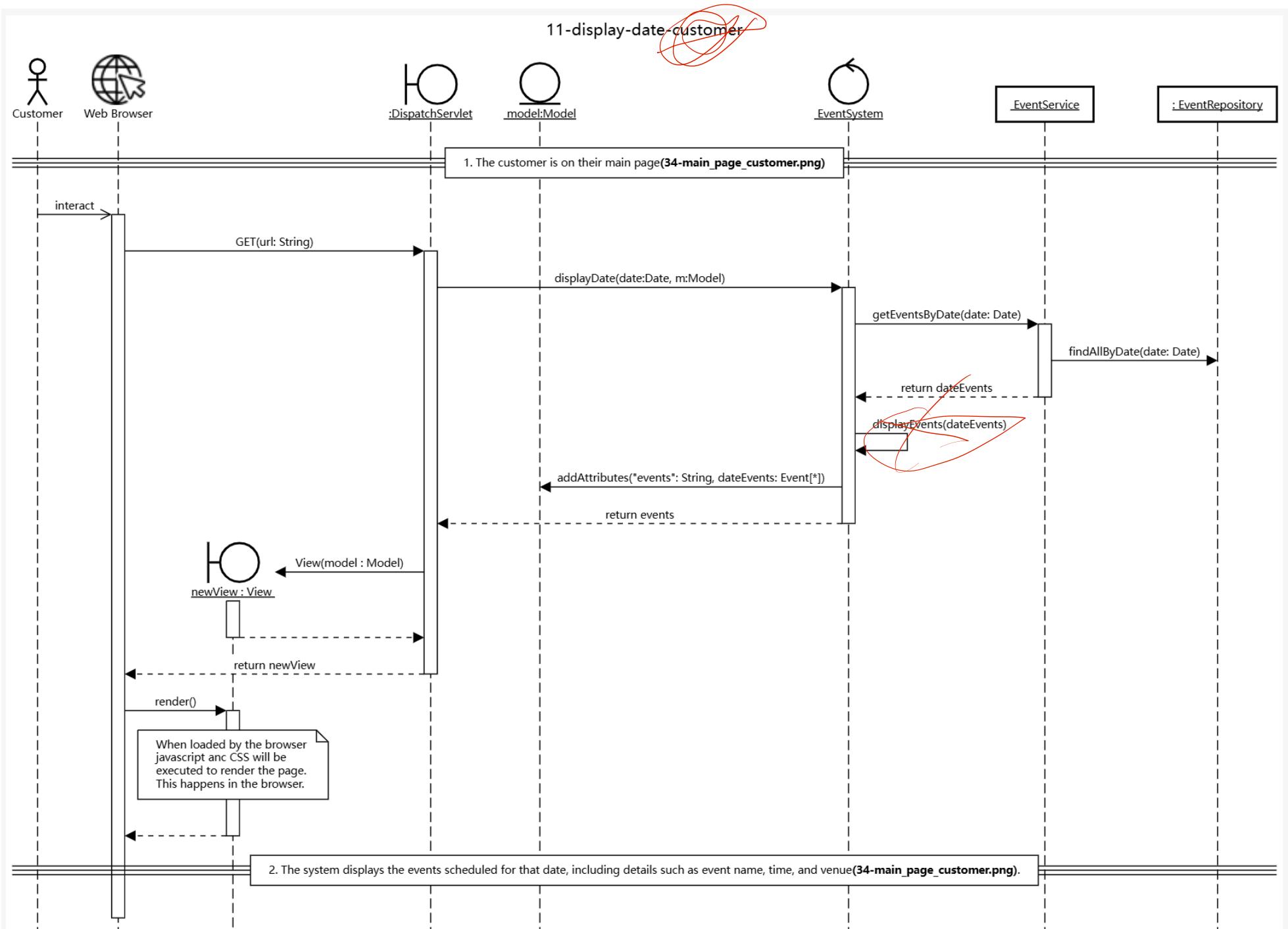
Sequence Diagram



Course of Events– Customer

1. The user is on their main page(34-main_page_customer.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(34-main_page_customer.png).

Sequence Diagram

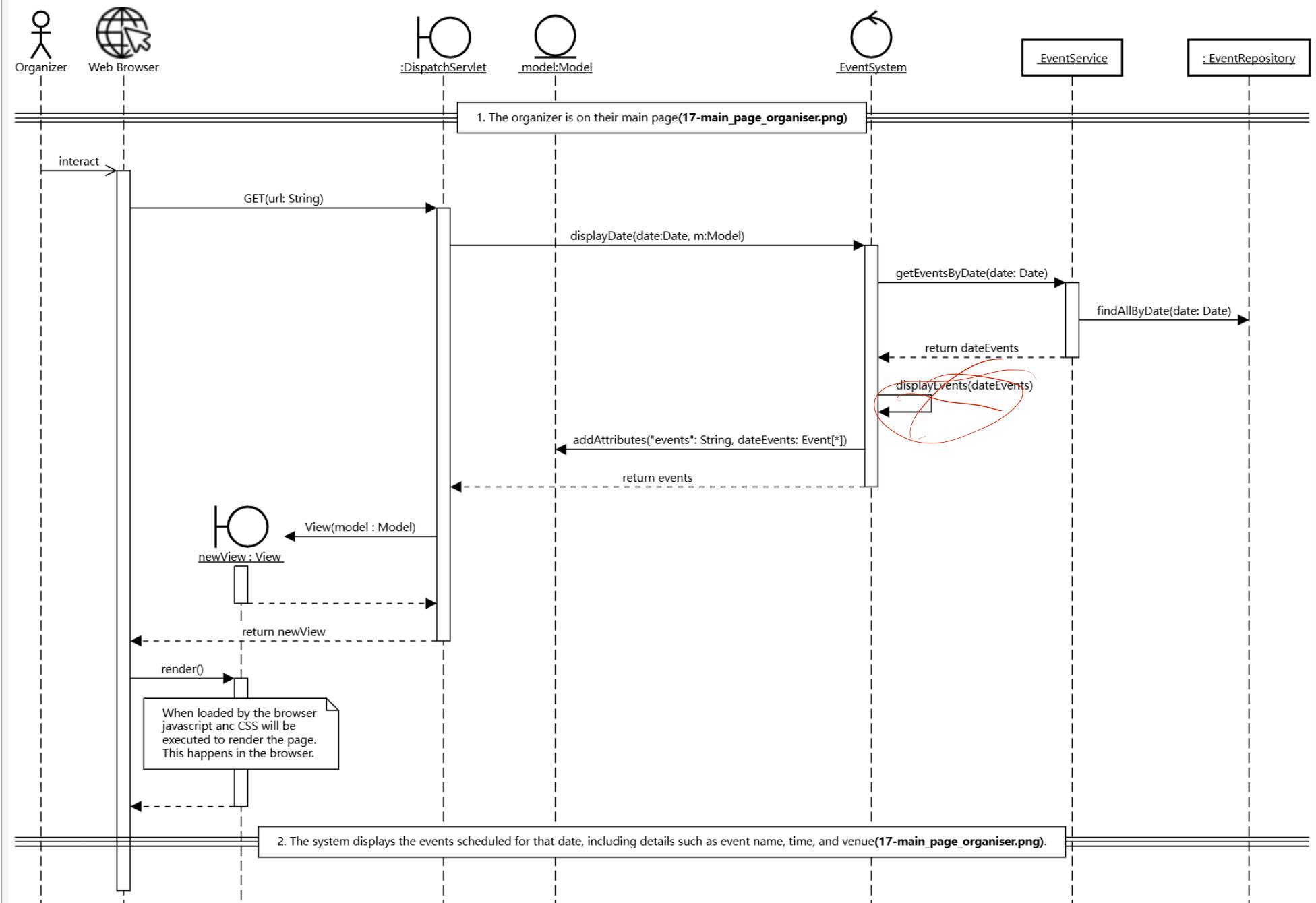


Course of Events– Organizer

1. The organizer is on their main page(17-main_page_organiser.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(17-main_page_organiser.png).

Sequence Diagram

11-display-date-organizer

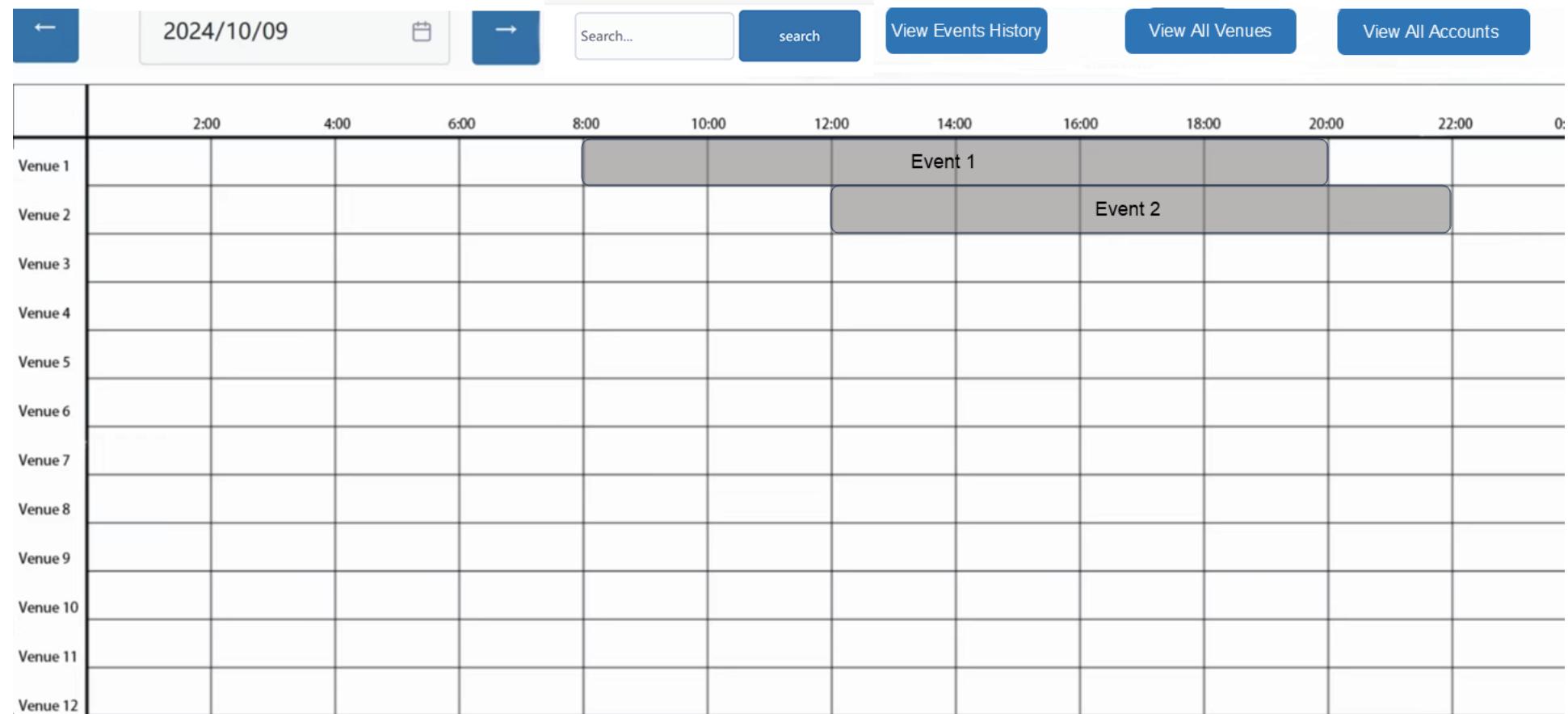


UI Sketches

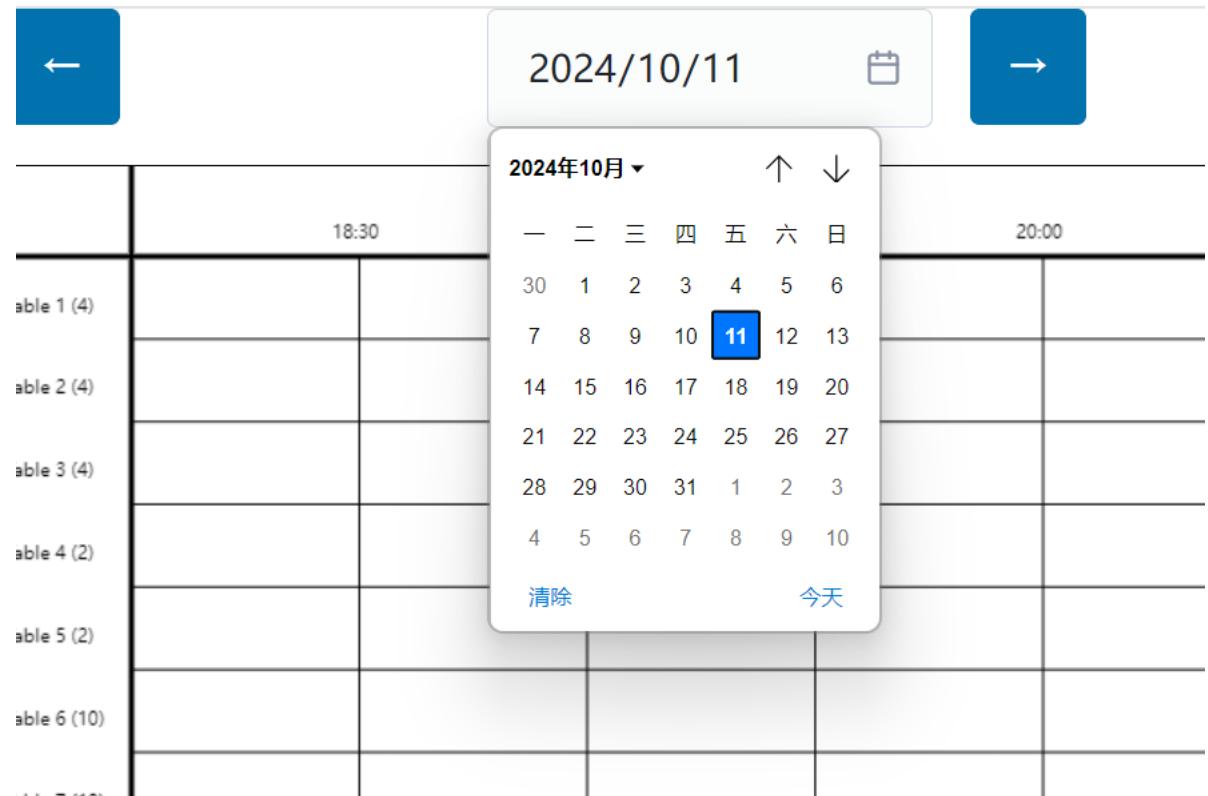
Administrator

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

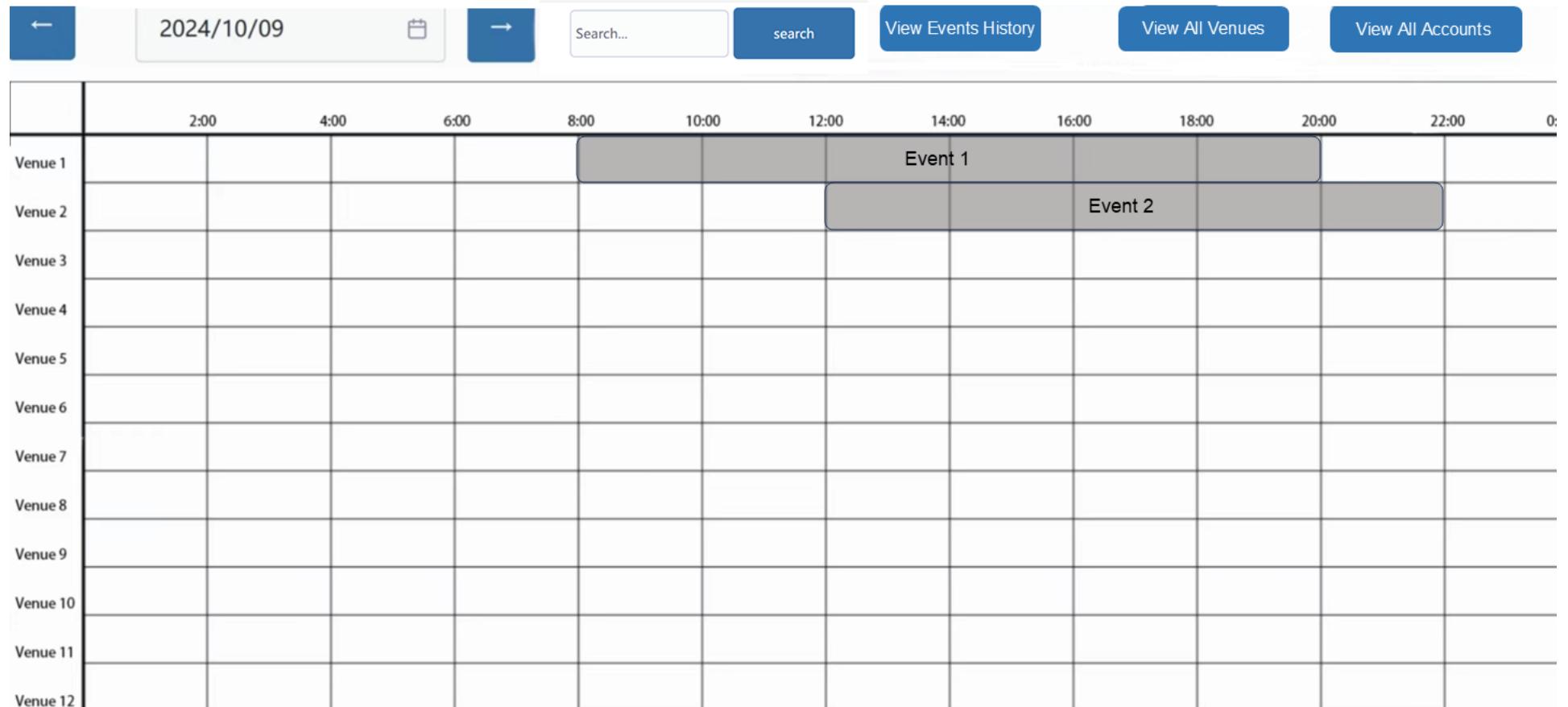
Main Page



Select Date



Selected Date Events

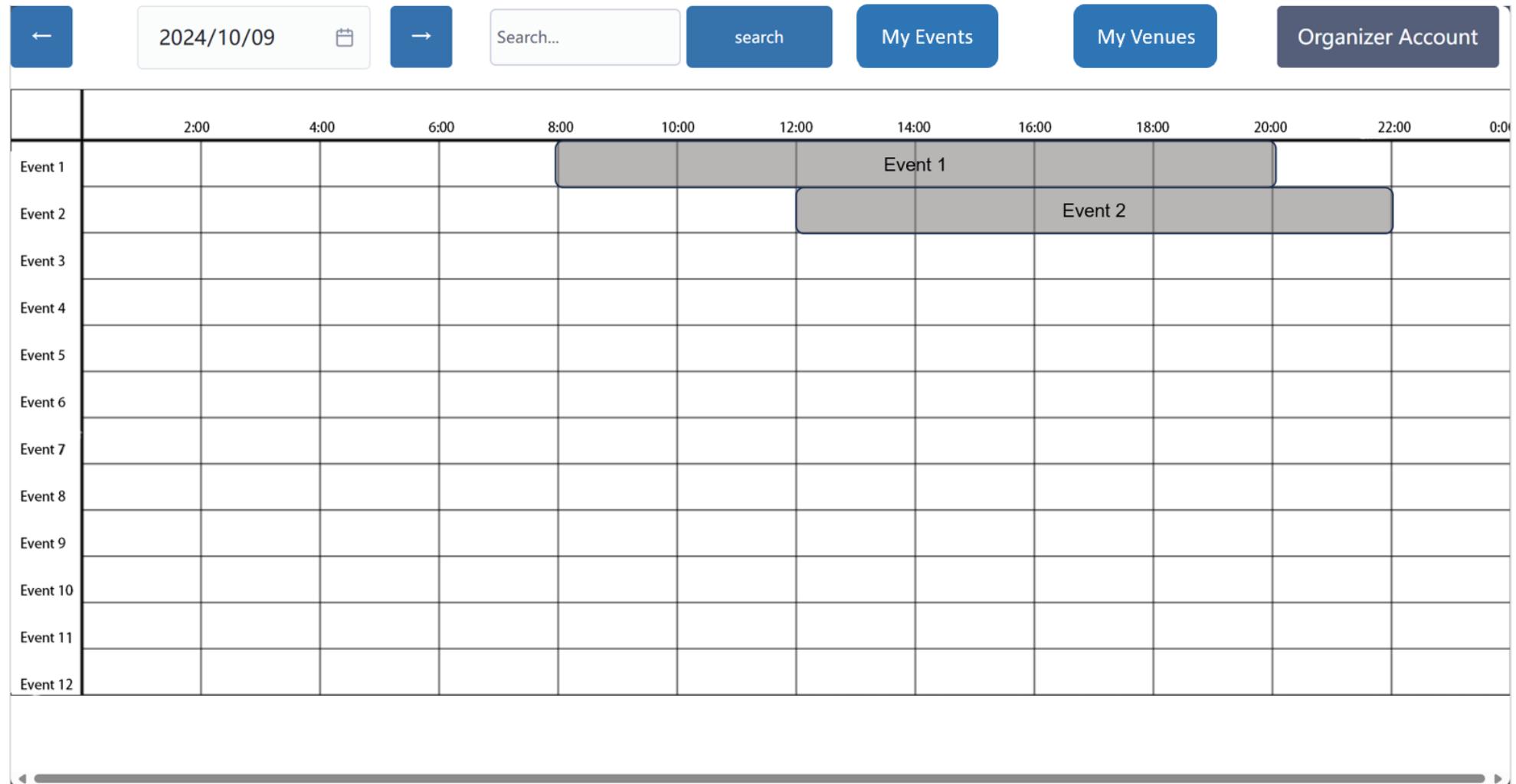


- **Tips:** The events table on the main page shows all the events for the day.

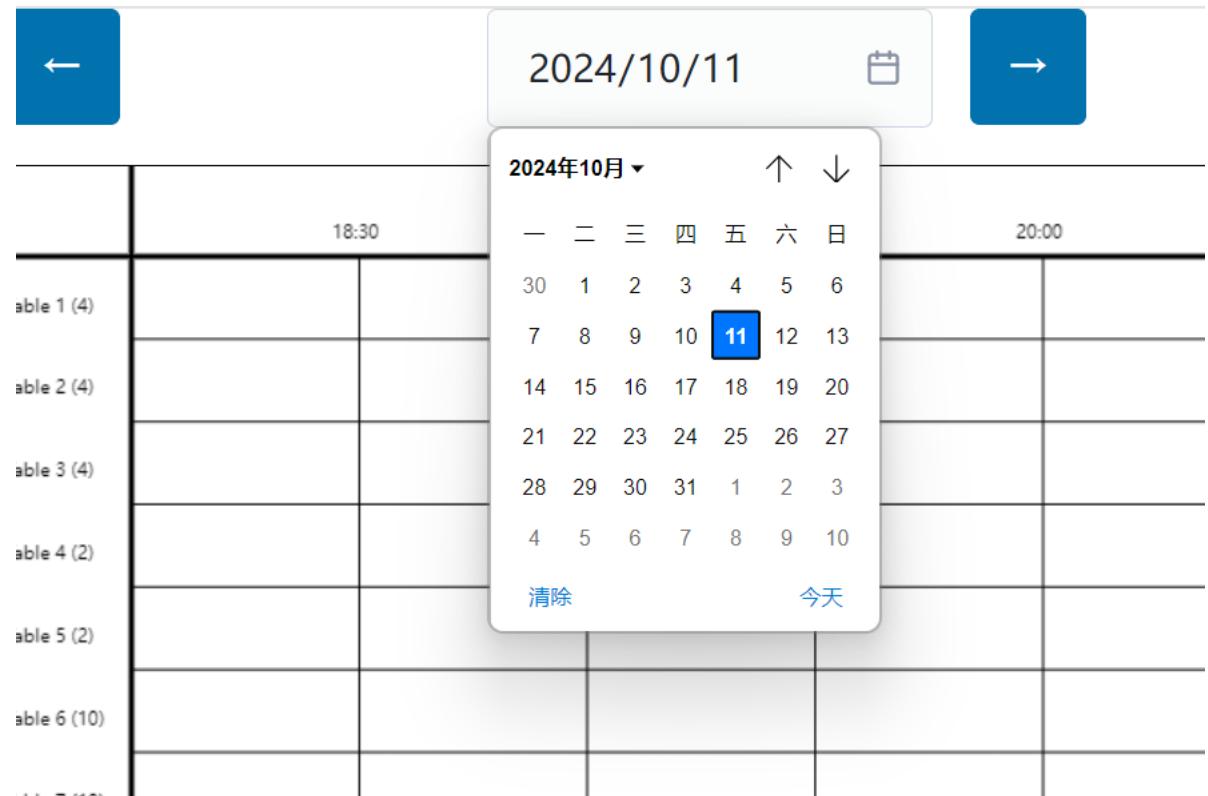
Organizer

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

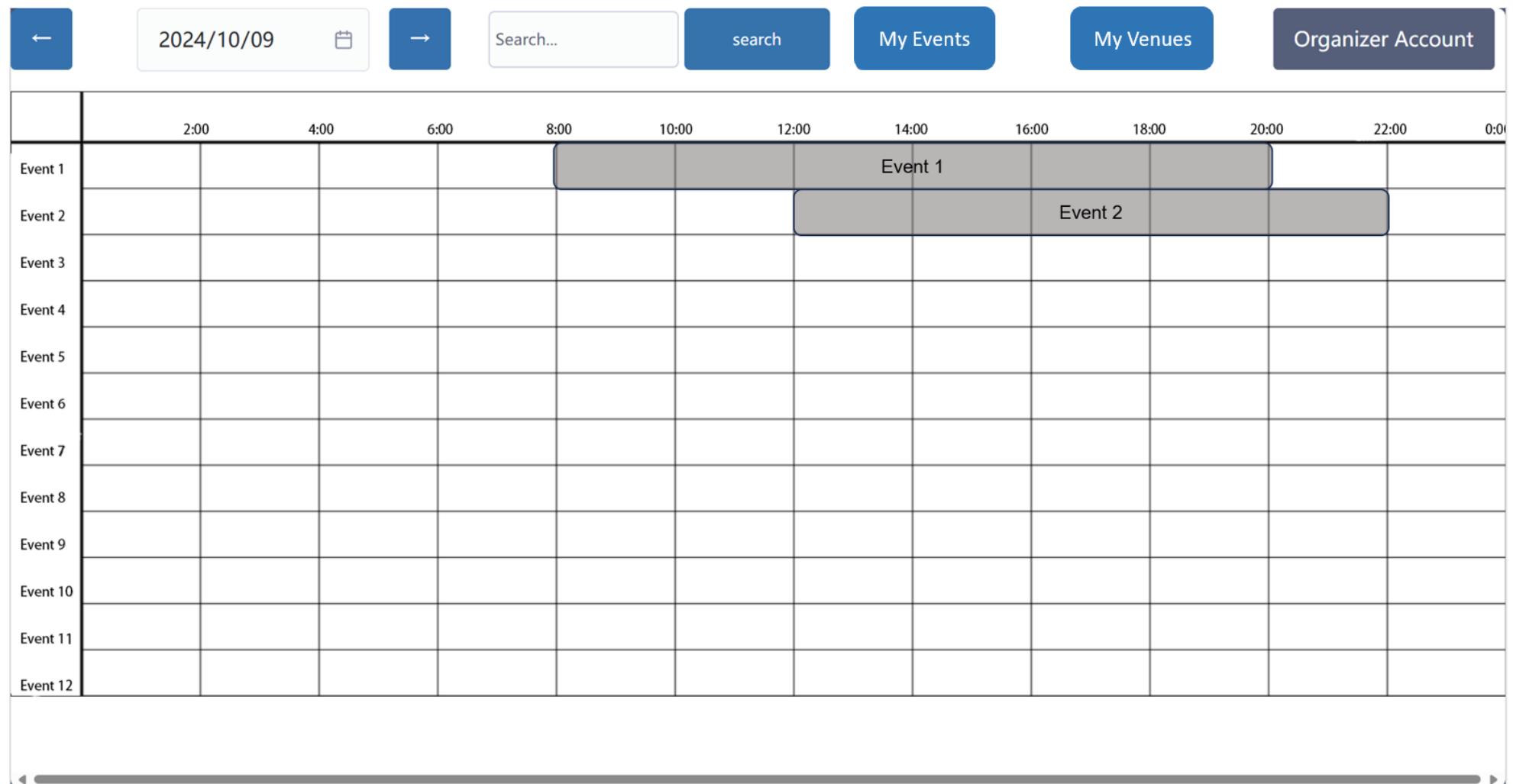
Main Page



Select Date



Selected Date Events

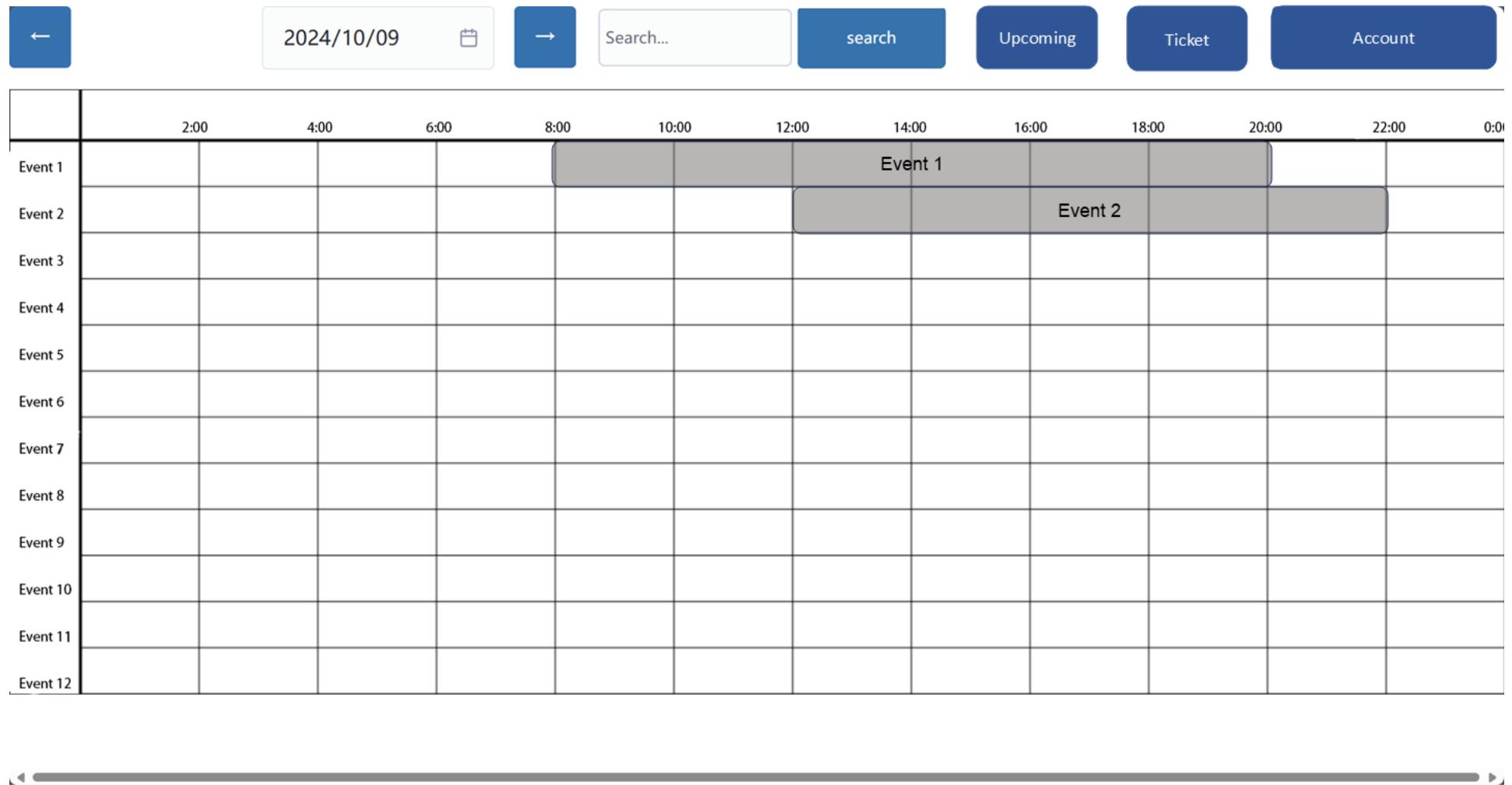


- **Tips:** The events table on the main page shows all the events for the day.

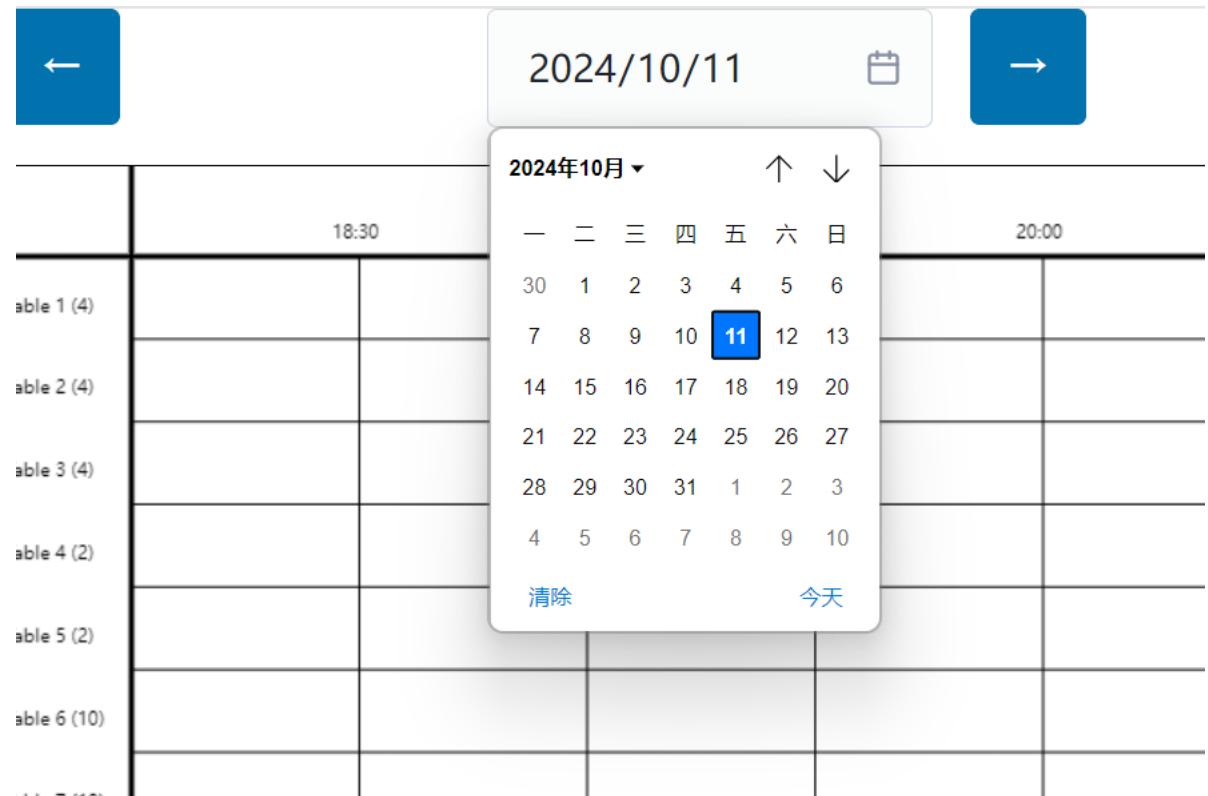
User

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

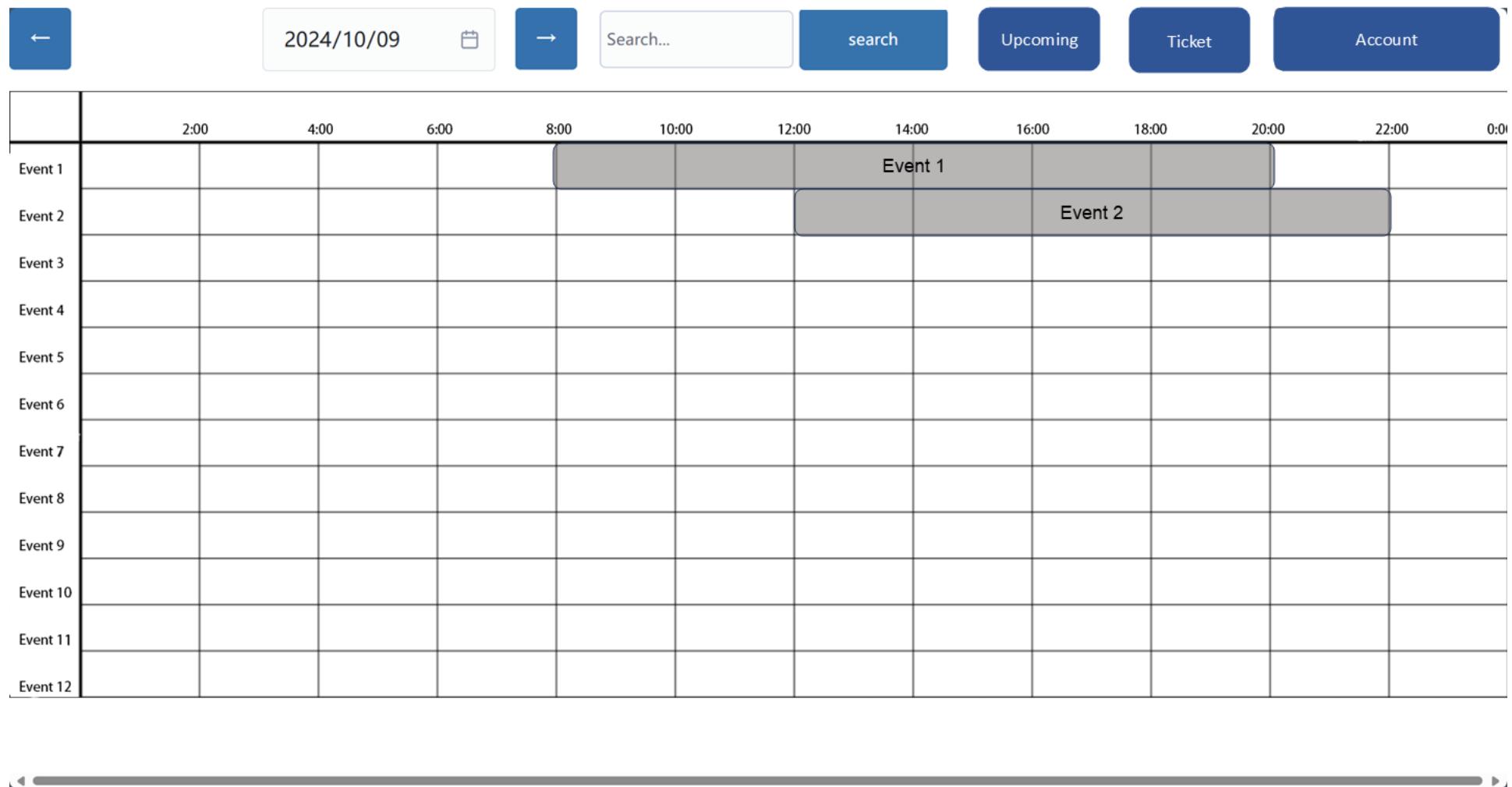
Main Page



Select Date



Selected Date Events



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

Data Outcome

- **READ** - The corresponding events in the system will be read and display.

01 Create Account

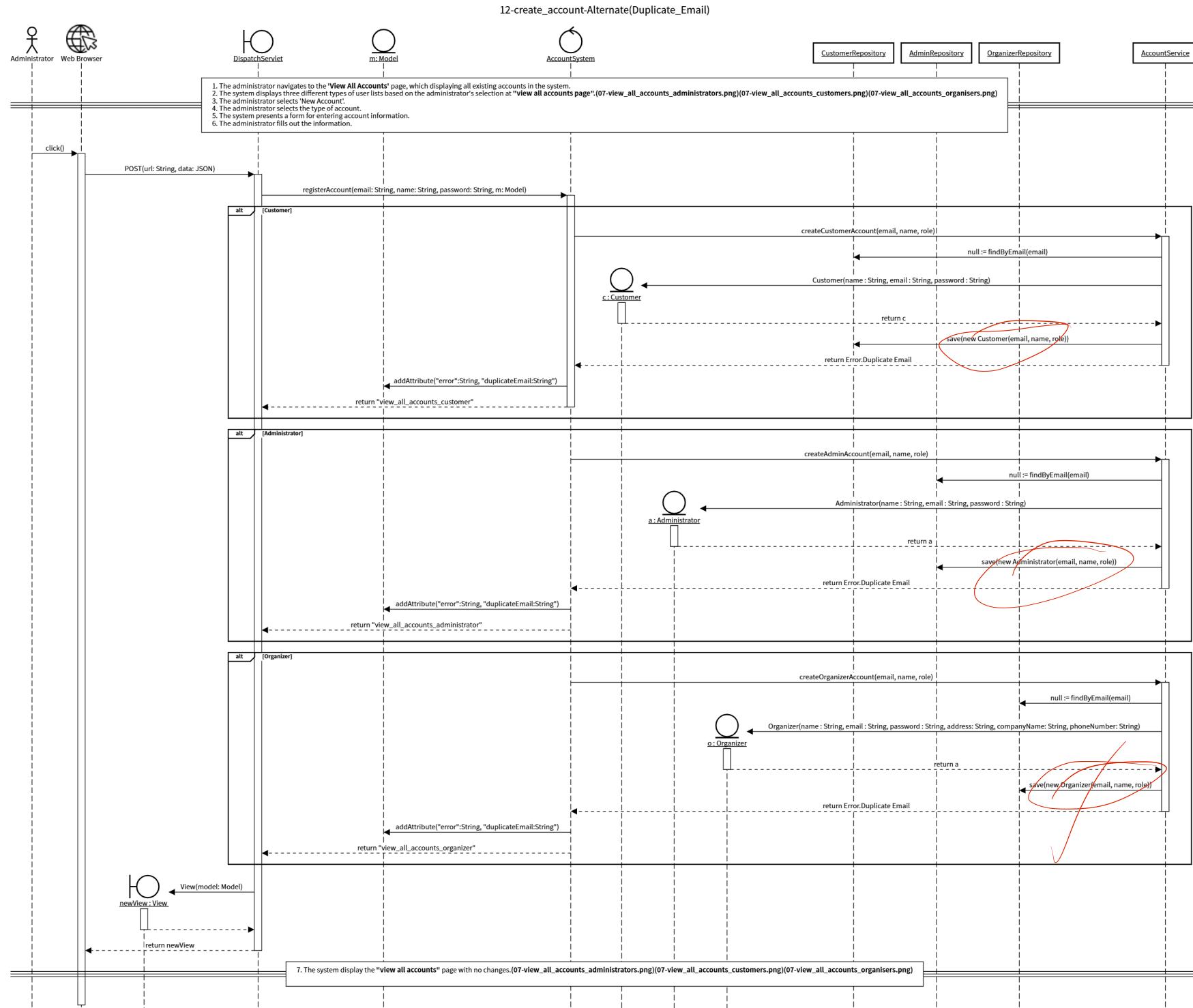
Basic Course of Events– Creating User

- The administrator navigates to the ‘View All Accounts’ page, which displaying all existing accounts in the system.
- The system displays three different types of user lists based on the administrator’s selection at “view all accounts page”.(07-view_all_accounts_administrators.png)(07-view_all_accounts_customers.png)(07-view_all_accounts_organisers.png)
- The administrator selects ‘New Account’.
- The administrator selects the type of account.
- The system presents a form for entering account information.
- The administrator fills out the information.
- The system display the “view all accounts” page with a new account.(07-view_all_accounts_administrators.png)(07-view_all_accounts_customers.png)(07-view_all_accounts_organisers.png)

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 three different types of user lists based on the administrator’s selection at “view all accounts page”.(07-view_all_accounts_administrators.png)(07-view_all_accounts_customers.png)(07-view_all_accounts_organisers.png)
- The administrator selects ‘New Account’.
- The administrator selects the type of account.
- The system presents a form for entering account information.
- The administrator fills out the information.
- The system displays an error message indicating that the email is already associated with another account.
- The system display the “view all accounts” page with no changes.(07-view_all_accounts_administrators.png)(07-view_all_accounts_customers.png)(07-view_all_accounts_organisers.png)

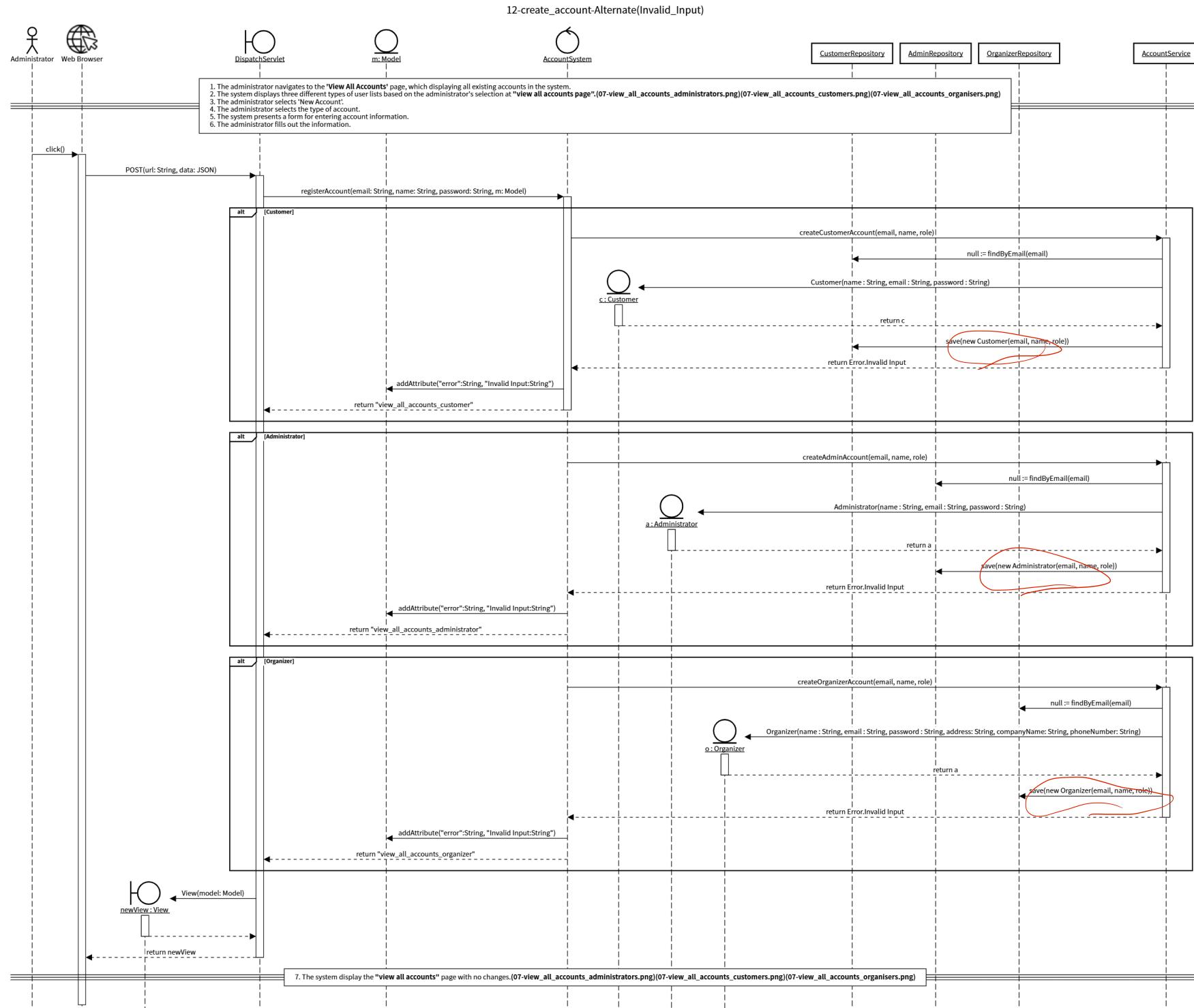
Sequence Diagram



Alternate Course of Events– Invalid Input Error

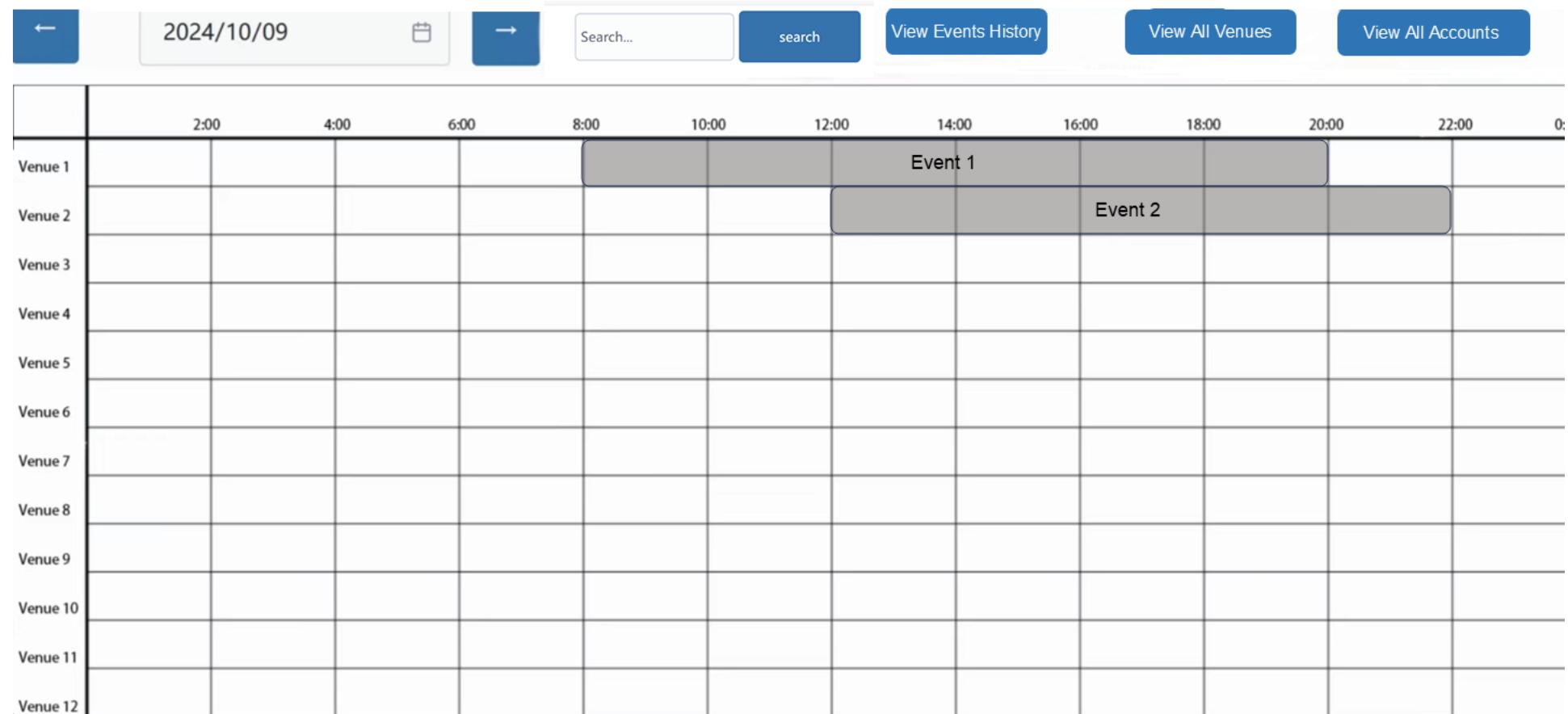
- The administrator navigates to the ‘View All Accounts’ page, which displaying all existing accounts in the system.
- The system displays a list of existing accounts.
- The administrator selects ‘New Account’.
- The administrator selects the type of account : Administrator.
- The system presents a form 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 - Customer

Customer Organiser Administrator

| Username | Role | Permission | Edit | Disable | Delete |
|----------|---------------|----------------------------|----------------------|-------------------------|------------------------|
| Oliver | Administrator | Permission | Edit | Disable | Delete |
| Oscar | Administrator | Permission | Edit | Disable | Delete |
| Peter | Administrator | Permission | Edit | Disable | Delete |
| Quinn | Administrator | Permission | Edit | Disable | Delete |
| Rachel | Administrator | Permission | Edit | Disable | Delete |
| Sam | Administrator | Permission | Edit | Disable | Delete |
| Tina | Administrator | Permission | Edit | Disable | Delete |
| Uma | Administrator | Permission | Edit | Disable | Delete |
| Violet | Administrator | Permission | Edit | Disable | Delete |
| Will | Administrator | Permission | Edit | Disable | Delete |

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Account Management - Customer

[Customer](#) [Organiser](#) [Administrator](#)

| Username | Role | Permission | Edit | Disable | Delete |
|----------|----------|----------------------------|----------------------|-------------------------|------------------------|
| Alice | Customer | Permission | Edit | Disable | Delete |
| Alice | Customer | Permission | Edit | Disable | Delete |
| Bob | Customer | Permission | Edit | Disable | Delete |
| Charlie | Customer | Permission | Edit | Disable | Delete |
| David | Customer | Permission | Edit | Disable | Delete |
| Emma | Customer | Permission | Edit | Disable | Delete |
| Frank | Customer | Permission | Edit | Disable | Delete |
| Grace | Customer | Permission | Edit | Disable | Delete |
| Hank | Customer | Permission | Edit | Disable | Delete |
| Ivy | Customer | Permission | Edit | Disable | Delete |
| Jack | Customer | Permission | Edit | Disable | Delete |

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Account Management - Customer

Customer Organiser Administrator

| Username | Role | Permission | Edit | Disable | Delete |
|----------|-----------|----------------------------|----------------------|-------------------------|------------------------|
| Oliver | Organiser | Permission | Edit | Disable | Delete |
| Oscar | Organiser | Permission | Edit | Disable | Delete |
| Peter | Organiser | Permission | Edit | Disable | Delete |
| Quinn | Organiser | Permission | Edit | Disable | Delete |
| Rachel | Organiser | Permission | Edit | Disable | Delete |
| Sam | Organiser | Permission | Edit | Disable | Delete |
| Tina | Organiser | Permission | Edit | Disable | Delete |
| Uma | Organiser | Permission | Edit | Disable | Delete |
| Violet | Organiser | Permission | Edit | Disable | Delete |
| Will | Organiser | Permission | Edit | Disable | Delete |

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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

Duplicate Email Error

Error: Duplicate Email

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

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Invalide Input Error

Error: Invalid Input

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

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Data Outcome

- Create - The account will be displayed and added into the system.

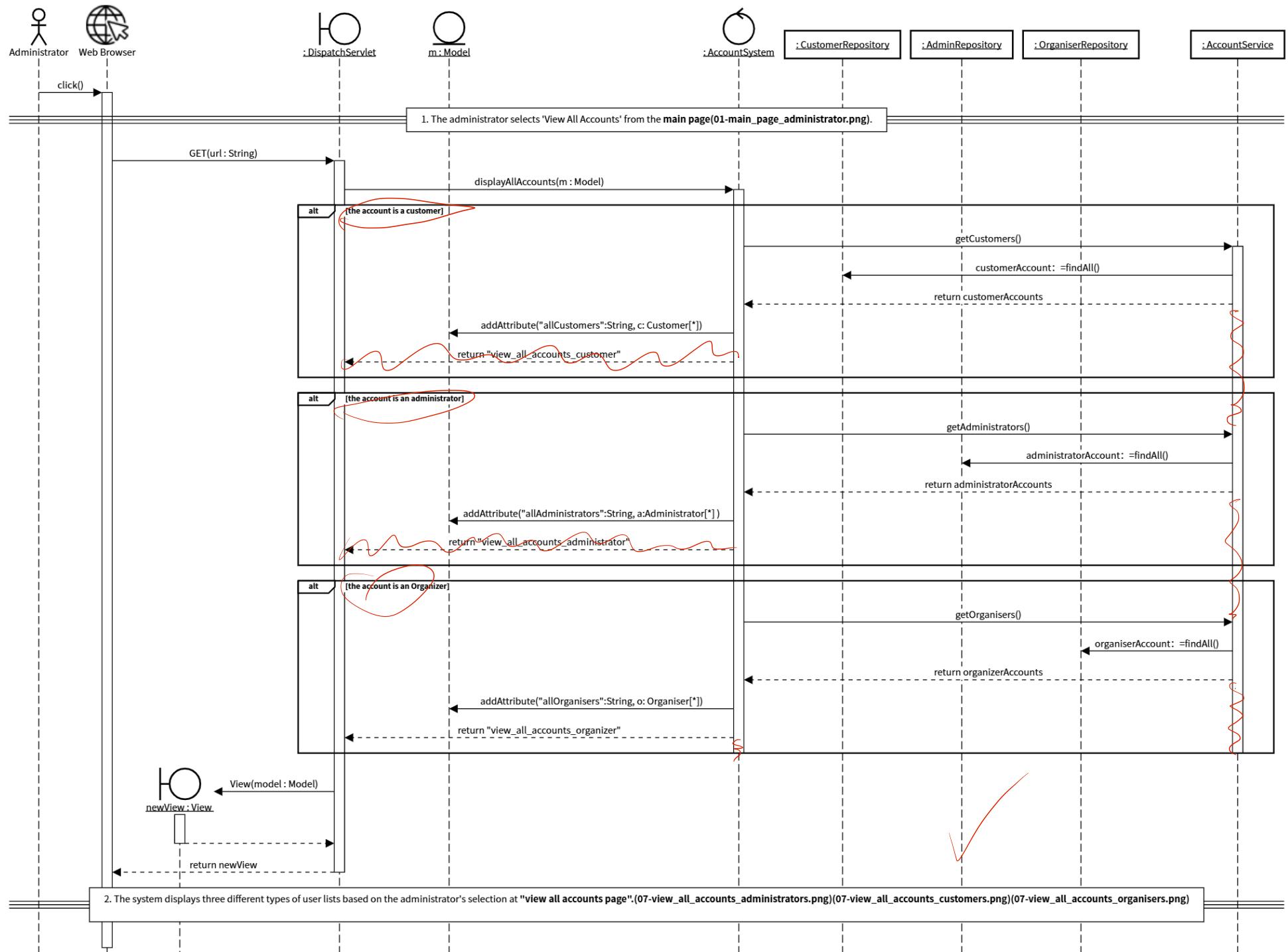
13 View All Accounts

Basic Course of Events

- The administrator selects ‘View All Accounts’ from the main page(01-main_page_administrator.png).
- The system displays three different types of user lists based on the administrator’s selection at “view all accounts page”.(07-view_all_accounts_administrators.png)(07-view_all_accounts_customers.png)(07-view_all_accounts_organisers.png)

Sequence Diagram

13-view_all_accounts-basic



Alternate Course of Events

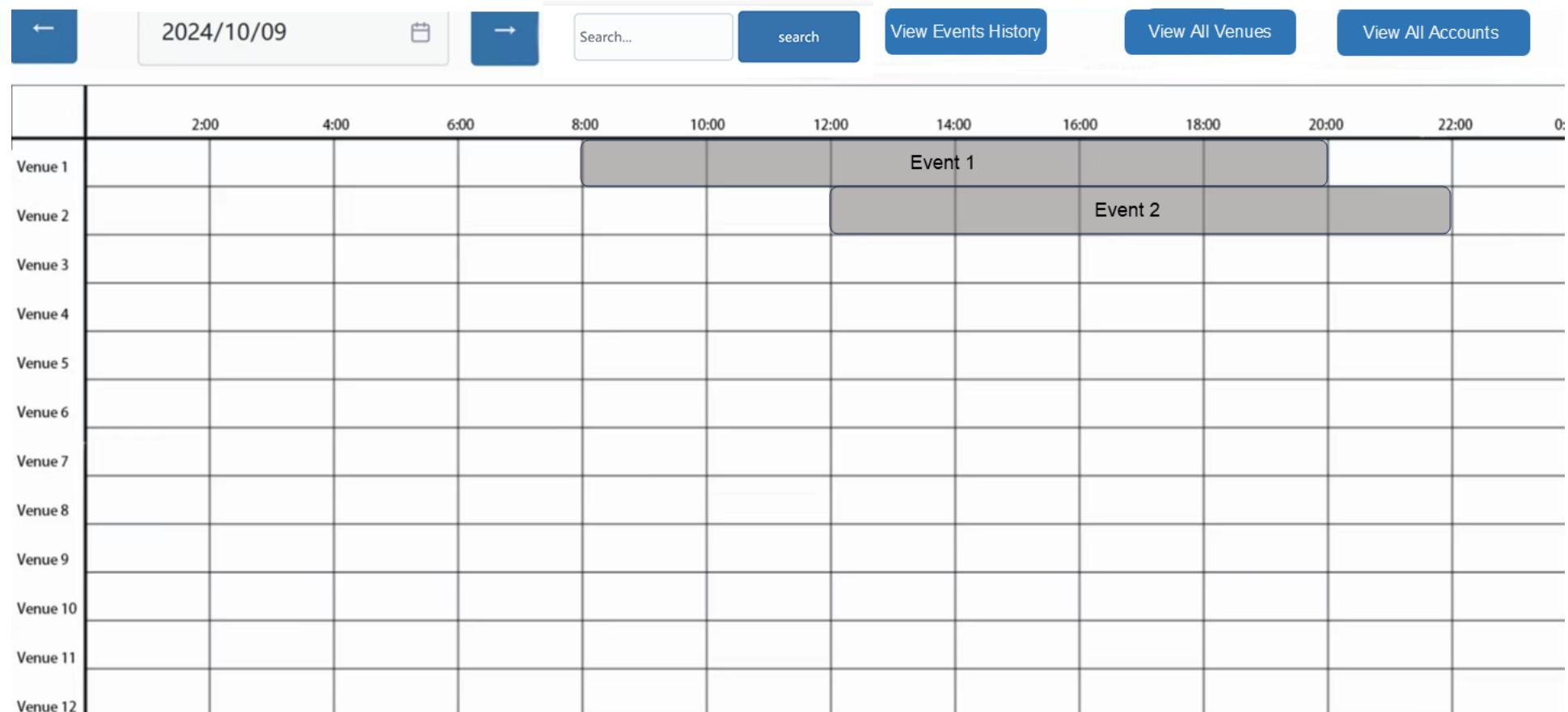
- The administrator selects ‘View All Accounts’ from the main page(01-view_all_events.png).
- The system shows that no accounts exist in the system.

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 - Customer

Customer Organiser Administrator

| Username | Role | Permission | Edit | Disable | Delete |
|----------|---------------|----------------------------|----------------------|-------------------------|------------------------|
| Oliver | Administrator | Permission | Edit | Disable | Delete |
| Oscar | Administrator | Permission | Edit | Disable | Delete |
| Peter | Administrator | Permission | Edit | Disable | Delete |
| Quinn | Administrator | Permission | Edit | Disable | Delete |
| Rachel | Administrator | Permission | Edit | Disable | Delete |
| Sam | Administrator | Permission | Edit | Disable | Delete |
| Tina | Administrator | Permission | Edit | Disable | Delete |
| Uma | Administrator | Permission | Edit | Disable | Delete |
| Violet | Administrator | Permission | Edit | Disable | Delete |
| Will | Administrator | Permission | Edit | Disable | Delete |

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Account Management - Customer

[Customer](#) [Organiser](#) [Administrator](#)

| Username | Role | Permission | Edit | Disable | Delete |
|----------|----------|----------------------------|----------------------|-------------------------|------------------------|
| Alice | Customer | Permission | Edit | Disable | Delete |
| Alice | Customer | Permission | Edit | Disable | Delete |
| Bob | Customer | Permission | Edit | Disable | Delete |
| Charlie | Customer | Permission | Edit | Disable | Delete |
| David | Customer | Permission | Edit | Disable | Delete |
| Emma | Customer | Permission | Edit | Disable | Delete |
| Frank | Customer | Permission | Edit | Disable | Delete |
| Grace | Customer | Permission | Edit | Disable | Delete |
| Hank | Customer | Permission | Edit | Disable | Delete |
| Ivy | Customer | Permission | Edit | Disable | Delete |
| Jack | Customer | Permission | Edit | Disable | Delete |

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Account Management - Customer

Customer Organiser Administrator

| Username | Role | Permission | Edit | Disable | Delete |
|----------|-----------|----------------------------|----------------------|-------------------------|------------------------|
| Oliver | Organiser | Permission | Edit | Disable | Delete |
| Oscar | Organiser | Permission | Edit | Disable | Delete |
| Peter | Organiser | Permission | Edit | Disable | Delete |
| Quinn | Organiser | Permission | Edit | Disable | Delete |
| Rachel | Organiser | Permission | Edit | Disable | Delete |
| Sam | Organiser | Permission | Edit | Disable | Delete |
| Tina | Organiser | Permission | Edit | Disable | Delete |
| Uma | Organiser | Permission | Edit | Disable | Delete |
| Violet | Organiser | Permission | Edit | Disable | Delete |
| Will | Organiser | Permission | Edit | Disable | Delete |

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Data Outcome

- **Read** - All accounts in the system will be read and display.

Filename - 03-design/usecases/docs/14-disable_account.md

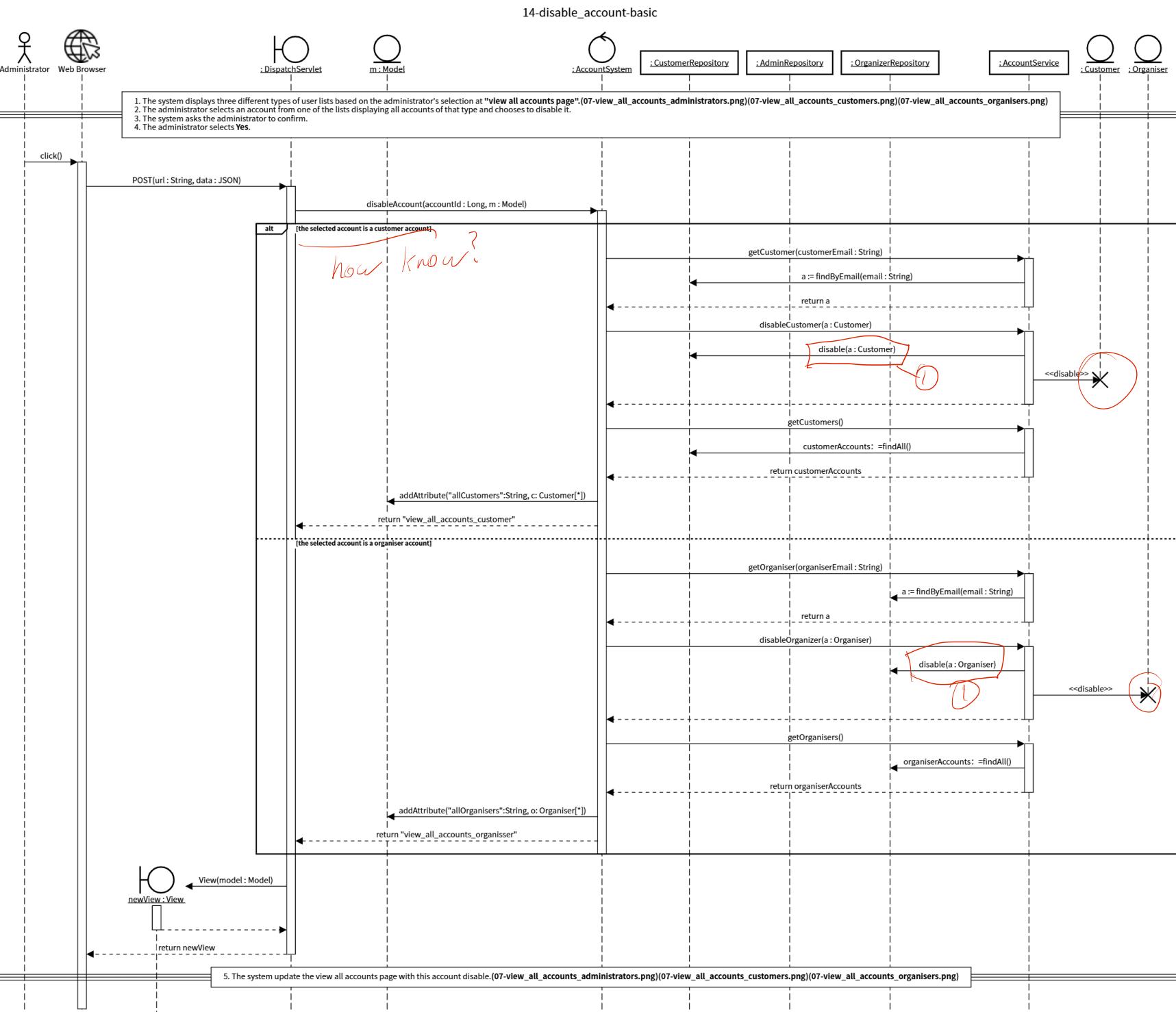
14 Disable Account

Basic Course of Events

Course of Events

- The system displays three different types of user lists based on the administrator's selection at "view all accounts page".(07-view_all_accounts_administrators.png)(07-view_all_accounts_customers.png)(07-view_all_accounts_organisers.png)
- The administrator selects an account from one of the lists displaying all accounts of that type and chooses to disable it.
- The system asks the administrator to confirm.
- The administrator selects **Yes**.
- The system update the view all accounts page with this account disable.

Sequence Diagram

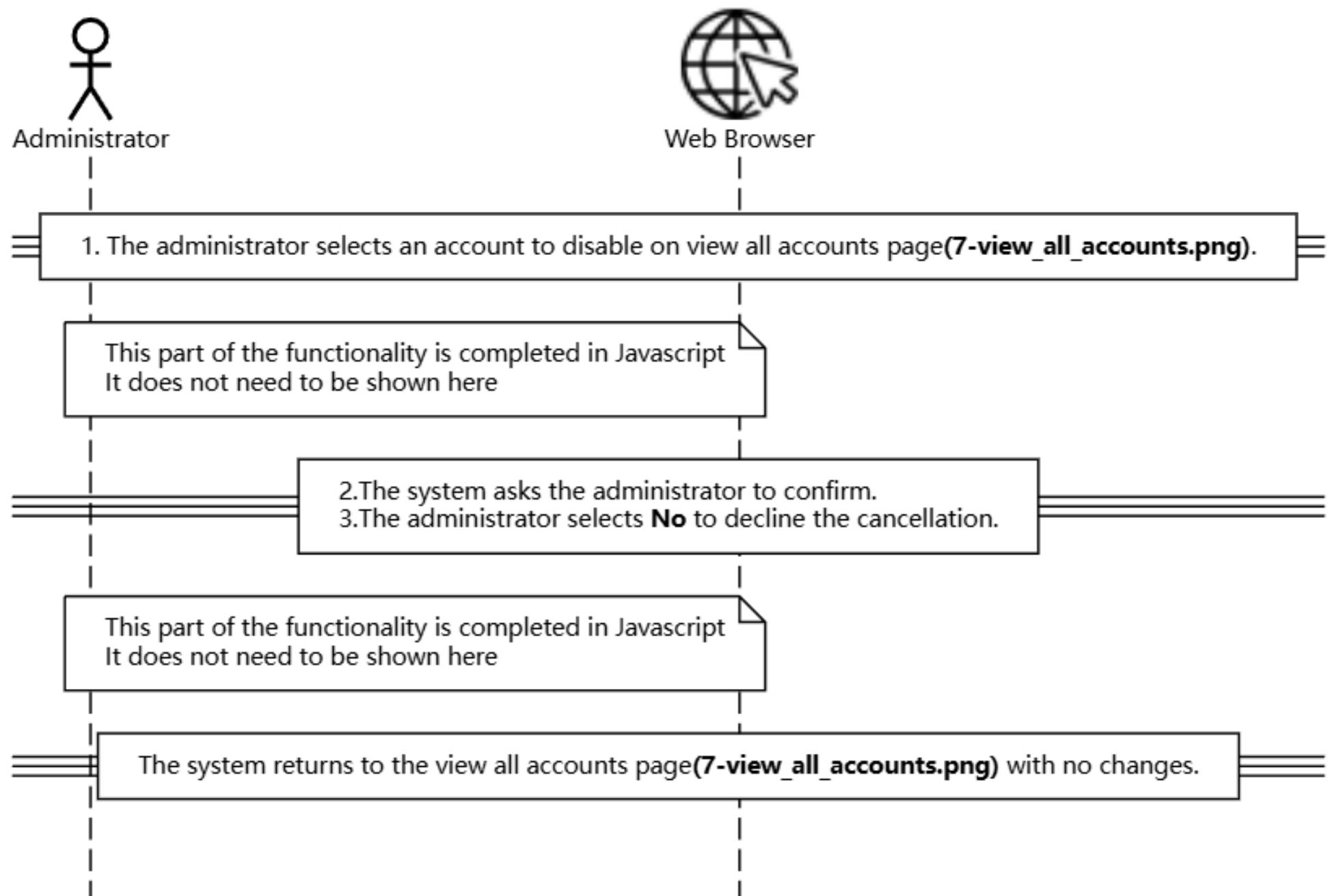


Alternate Course of Events

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.

14-disable_account-Alternative(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

UI Sketches

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

Account Management - Customer

Customer Organiser Administrator

| Username | Role | Permission | Edit | Disable | Delete |
|----------|---------------|----------------------------|----------------------|-------------------------|------------------------|
| Oliver | Administrator | Permission | Edit | Disable | Delete |
| Oscar | Administrator | Permission | Edit | Disable | Delete |
| Peter | Administrator | Permission | Edit | Disable | Delete |
| Quinn | Administrator | Permission | Edit | Disable | Delete |
| Rachel | Administrator | Permission | Edit | Disable | Delete |
| Sam | Administrator | Permission | Edit | Disable | Delete |
| Tina | Administrator | Permission | Edit | Disable | Delete |
| Uma | Administrator | Permission | Edit | Disable | Delete |
| Violet | Administrator | Permission | Edit | Disable | Delete |
| Will | Administrator | Permission | Edit | Disable | Delete |

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Account Management - Customer

[Customer](#) [Organiser](#) [Administrator](#)

| Username | Role | Permission | Edit | Disable | Delete |
|----------|----------|----------------------------|----------------------|-------------------------|------------------------|
| Alice | Customer | Permission | Edit | Disable | Delete |
| Alice | Customer | Permission | Edit | Disable | Delete |
| Bob | Customer | Permission | Edit | Disable | Delete |
| Charlie | Customer | Permission | Edit | Disable | Delete |
| David | Customer | Permission | Edit | Disable | Delete |
| Emma | Customer | Permission | Edit | Disable | Delete |
| Frank | Customer | Permission | Edit | Disable | Delete |
| Grace | Customer | Permission | Edit | Disable | Delete |
| Hank | Customer | Permission | Edit | Disable | Delete |
| Ivy | Customer | Permission | Edit | Disable | Delete |
| Jack | Customer | Permission | Edit | Disable | Delete |

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Account Management - Customer

Customer Organiser Administrator

| Username | Role | Permission | Edit | Disable | Delete |
|----------|-----------|----------------------------|----------------------|-------------------------|------------------------|
| Oliver | Organiser | Permission | Edit | Disable | Delete |
| Oscar | Organiser | Permission | Edit | Disable | Delete |
| Peter | Organiser | Permission | Edit | Disable | Delete |
| Quinn | Organiser | Permission | Edit | Disable | Delete |
| Rachel | Organiser | Permission | Edit | Disable | Delete |
| Sam | Organiser | Permission | Edit | Disable | Delete |
| Tina | Organiser | Permission | Edit | Disable | Delete |
| Uma | Organiser | Permission | Edit | Disable | Delete |
| Violet | Organiser | Permission | Edit | Disable | Delete |
| Will | Organiser | Permission | Edit | Disable | Delete |

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Confirm

Are you sure to make this account disabled?

Yes

No

Account Already Disabled

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

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Data Outcome

- **Update** - The login privileges of the selected account will be restricted

Filename - 03-design/usecases/docs/15-delete_account.md

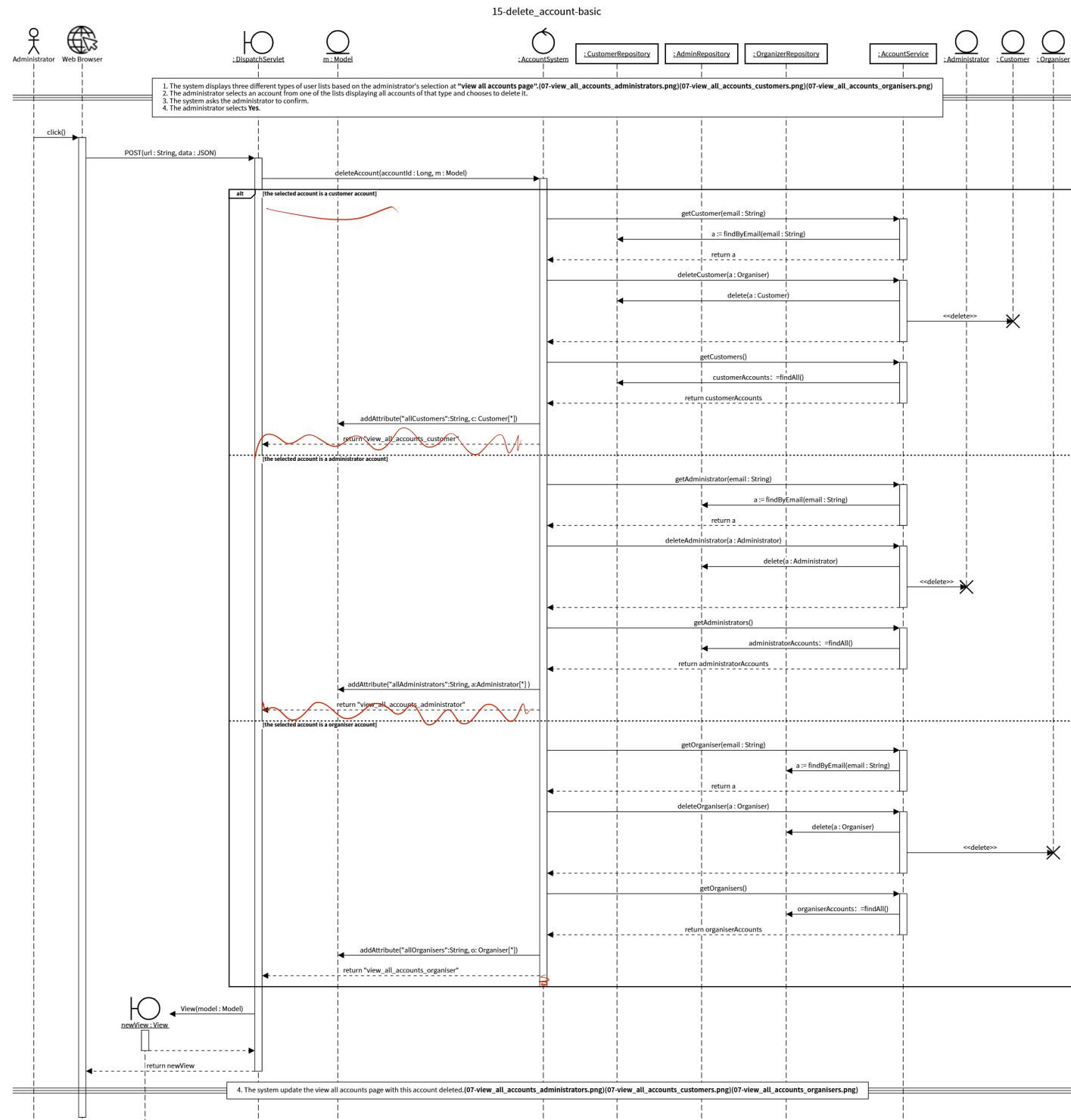
15 Delete Account

Basic Course of Events

Course of Events

- The system displays three different types of user lists based on the administrator's selection at "view all accounts page".(07-view_all_accounts_administrators.png)(07-view_all_accounts_customers.png)(07-view_all_accounts_organisers.png)
- The administrator selects an account from one of the lists displaying all accounts of that type and chooses to delete it.
- The system asks the administrator to confirm.
- The administrator selects Yes.
- The system update the view all accounts page with this account deleted.(07-view_all_accounts_administrators.png)(07-view_all_accounts_customers.png)(07-view_all_accounts_organisers.png)

Sequence Diagram

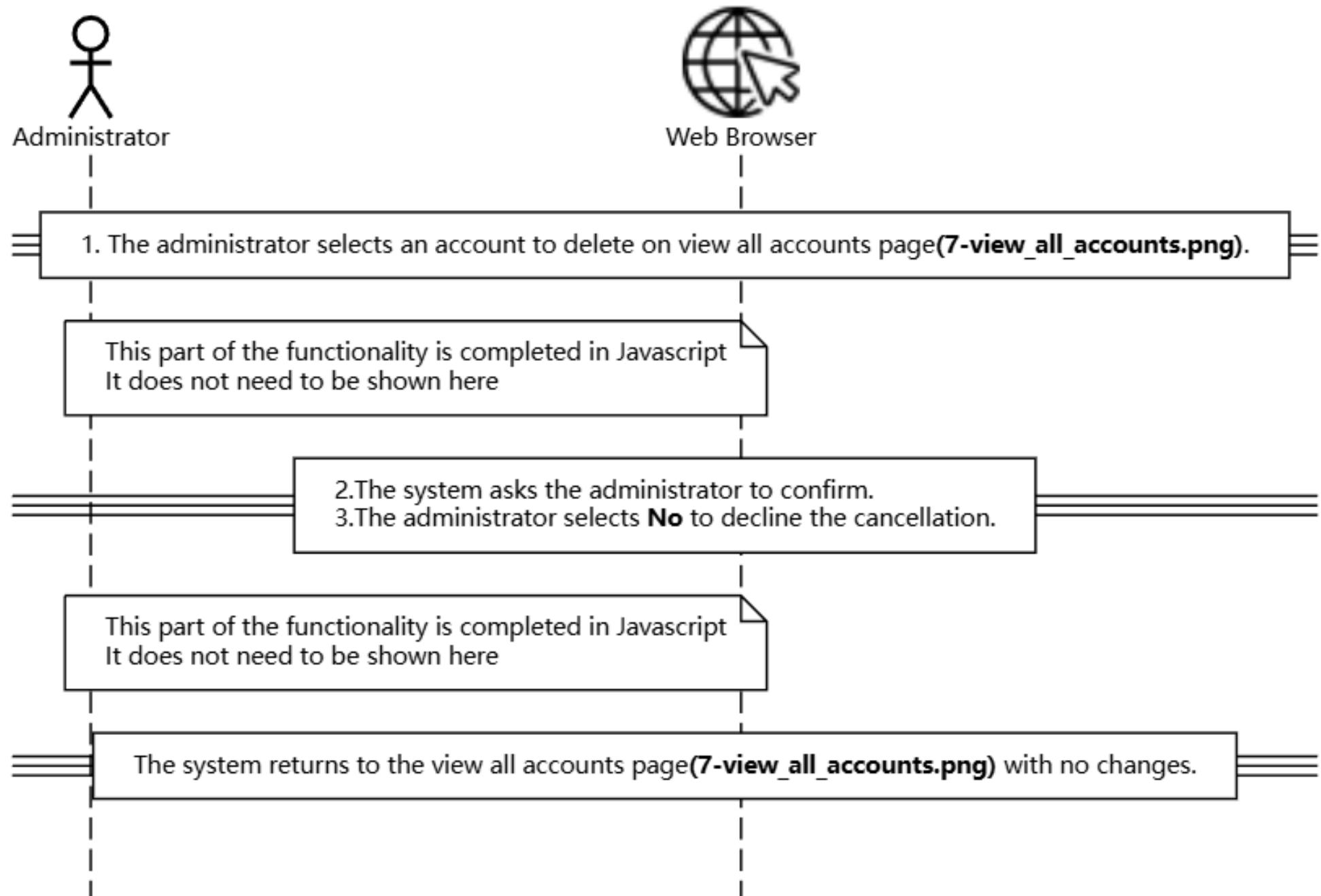


Alternate Course of Events

Do Not Delete

- The system displays three different types of user lists based on the administrator's selection at "view all accounts page".(07-view_all_accounts_administrators.png)(07-view_all_accounts_customers.png)(07-view_all_accounts_organisers.png)
- The administrator selects an account from one of the lists displaying all accounts of that type and chooses to delete it.
- 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.

15-delete_account-Alternative (Do Not Delete)



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.

Account Management - Customer

Customer Organiser Administrator

| Username | Role | Permission | Edit | Disable | Delete |
|----------|---------------|----------------------------|----------------------|-------------------------|------------------------|
| Oliver | Administrator | Permission | Edit | Disable | Delete |
| Oscar | Administrator | Permission | Edit | Disable | Delete |
| Peter | Administrator | Permission | Edit | Disable | Delete |
| Quinn | Administrator | Permission | Edit | Disable | Delete |
| Rachel | Administrator | Permission | Edit | Disable | Delete |
| Sam | Administrator | Permission | Edit | Disable | Delete |
| Tina | Administrator | Permission | Edit | Disable | Delete |
| Uma | Administrator | Permission | Edit | Disable | Delete |
| Violet | Administrator | Permission | Edit | Disable | Delete |
| Will | Administrator | Permission | Edit | Disable | Delete |

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Account Management - Customer

[Customer](#) [Organiser](#) [Administrator](#)

| Username | Role | Permission | Edit | Disable | Delete |
|----------|----------|----------------------------|----------------------|-------------------------|------------------------|
| Alice | Customer | Permission | Edit | Disable | Delete |
| Alice | Customer | Permission | Edit | Disable | Delete |
| Bob | Customer | Permission | Edit | Disable | Delete |
| Charlie | Customer | Permission | Edit | Disable | Delete |
| David | Customer | Permission | Edit | Disable | Delete |
| Emma | Customer | Permission | Edit | Disable | Delete |
| Frank | Customer | Permission | Edit | Disable | Delete |
| Grace | Customer | Permission | Edit | Disable | Delete |
| Hank | Customer | Permission | Edit | Disable | Delete |
| Ivy | Customer | Permission | Edit | Disable | Delete |
| Jack | Customer | Permission | Edit | Disable | Delete |

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Account Management - Customer

Customer Organiser Administrator

| Username | Role | Permission | Edit | Disable | Delete |
|----------|-----------|----------------------------|----------------------|-------------------------|------------------------|
| Oliver | Organiser | Permission | Edit | Disable | Delete |
| Oscar | Organiser | Permission | Edit | Disable | Delete |
| Peter | Organiser | Permission | Edit | Disable | Delete |
| Quinn | Organiser | Permission | Edit | Disable | Delete |
| Rachel | Organiser | Permission | Edit | Disable | Delete |
| Sam | Organiser | Permission | Edit | Disable | Delete |
| Tina | Organiser | Permission | Edit | Disable | Delete |
| Uma | Organiser | Permission | Edit | Disable | Delete |
| Violet | Organiser | Permission | Edit | Disable | Delete |
| Will | Organiser | Permission | Edit | Disable | Delete |

[Back](#)

[New Account](#)

Confirm

Are you sure to delete this account?

No Yes

Data Outcome

- Delete - The selected account will be removed from the system

Filename - 03-design/usecases/docs/16-view_all_venues.md

16 View All Venues

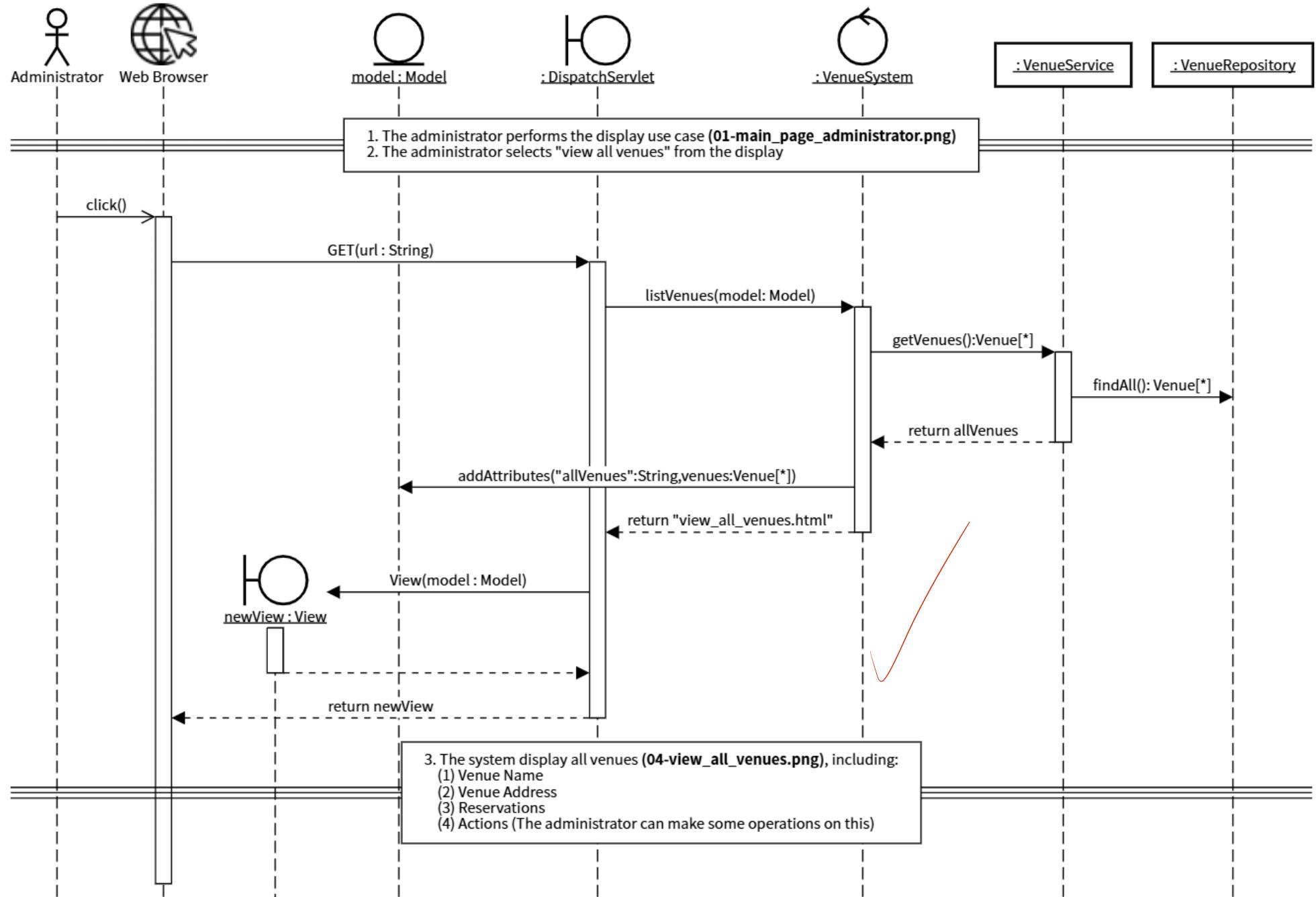
Basic Course of Events

Course of events for administrator

- 1.The administrator performs the display use case. (**01-main_page_administrator.png**)
- 2.The administrator selects “view all venues” from the display
- 3.The system will display all venues (**04-view_all_venues.png**), including:
 1. Venue Name
 2. Venue Address
 3. Reservations
 4. Actions (The administrator can make some operations on this)

Sequence Diagram

16-view_all_venues



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

All Venues

| Venue | Address | Reservations | Actions |
|---------|---------------|---------------------|--|
| Venue 1 | 123 Main St | 50 people reserved | Edit View History Delete |
| Venue 2 | 456 Broadway | 100 people reserved | Edit View History Delete |
| Venue 3 | 789 Market St | 75 people reserved | Edit View History Delete |
| Venue 4 | 987 Center St | 150 people reserved | Edit View History Delete |

[Create Venue](#)

All Venues

| Venue | Address | Reservations | Actions |
|---------|---------------|---------------------|--|
| Venue 1 | 123 Main St | 50 people reserved | Edit View History Delete |
| Venue 2 | 456 Broadway | 100 people reserved | Edit View History Delete |
| Venue 3 | 789 Market St | 75 people reserved | Edit View History Delete |
| Venue 4 | 987 Center St | 150 people reserved | Edit View History Delete |

[Create Venue](#)

Data Outcome

- **Read** - All venues will be read and displayed.

Filename - 03-design/usecases/docs/17-delete_venue.md

17 Delete Venue

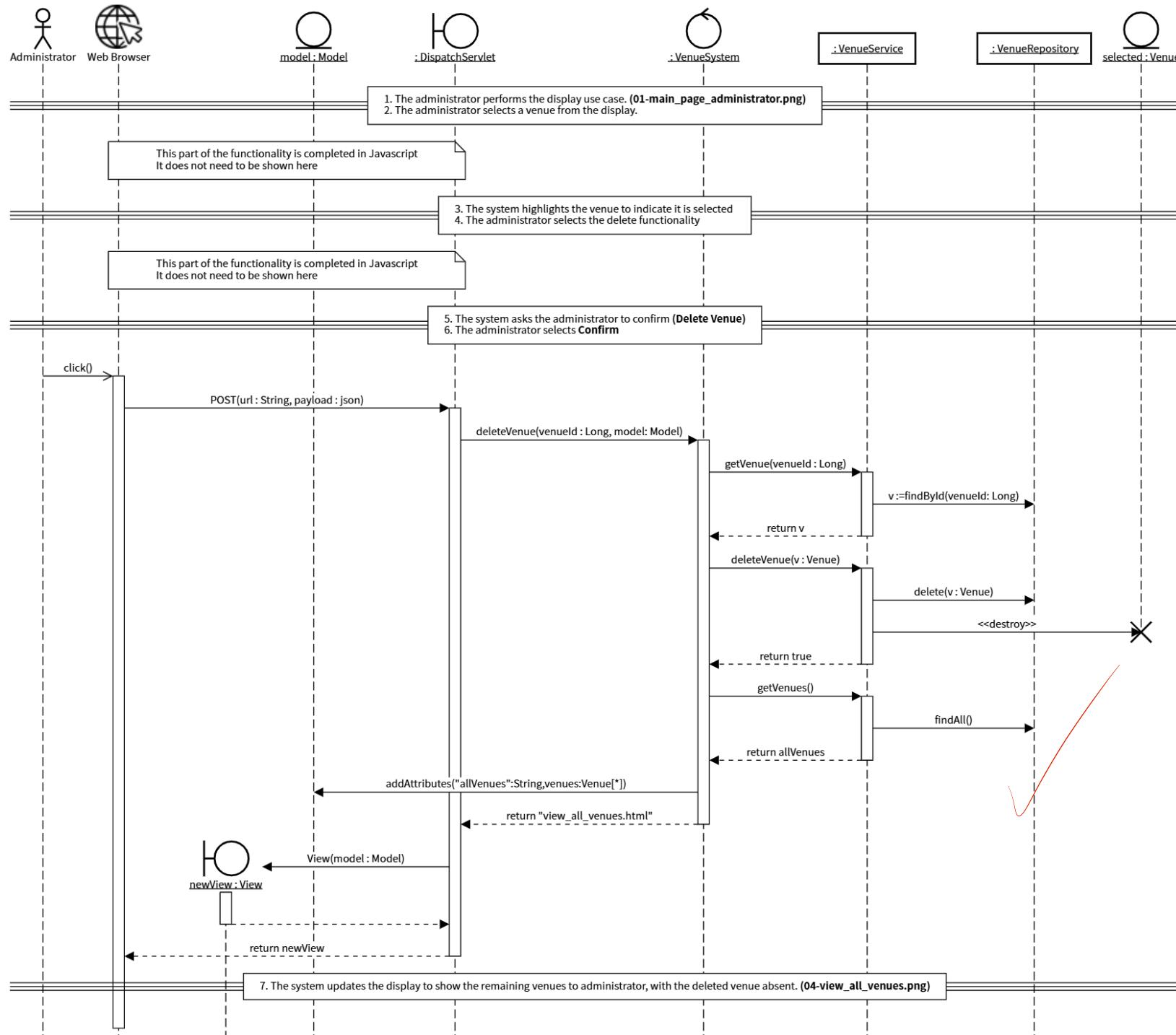
Basic Course of Events

Course of Events

- 1.The administrator performs the display use case (**01-main_page_administrator.png**).
- 2.The administrator selects a venue to delete.
- 3.The system highlights the venue to indicate it is selected.
- 4.The administrator selects the delete functionality.
- 5.The system asks the administrator to confirm (**Delete Venue**).
- 6.The administrator selects **Confirm**.
- 7.The system updates the display to show the remaining venues to administrator, with the deleted venue absent. (**04-view_all_venues.png**)

Sequence Diagram

17-delete_venue

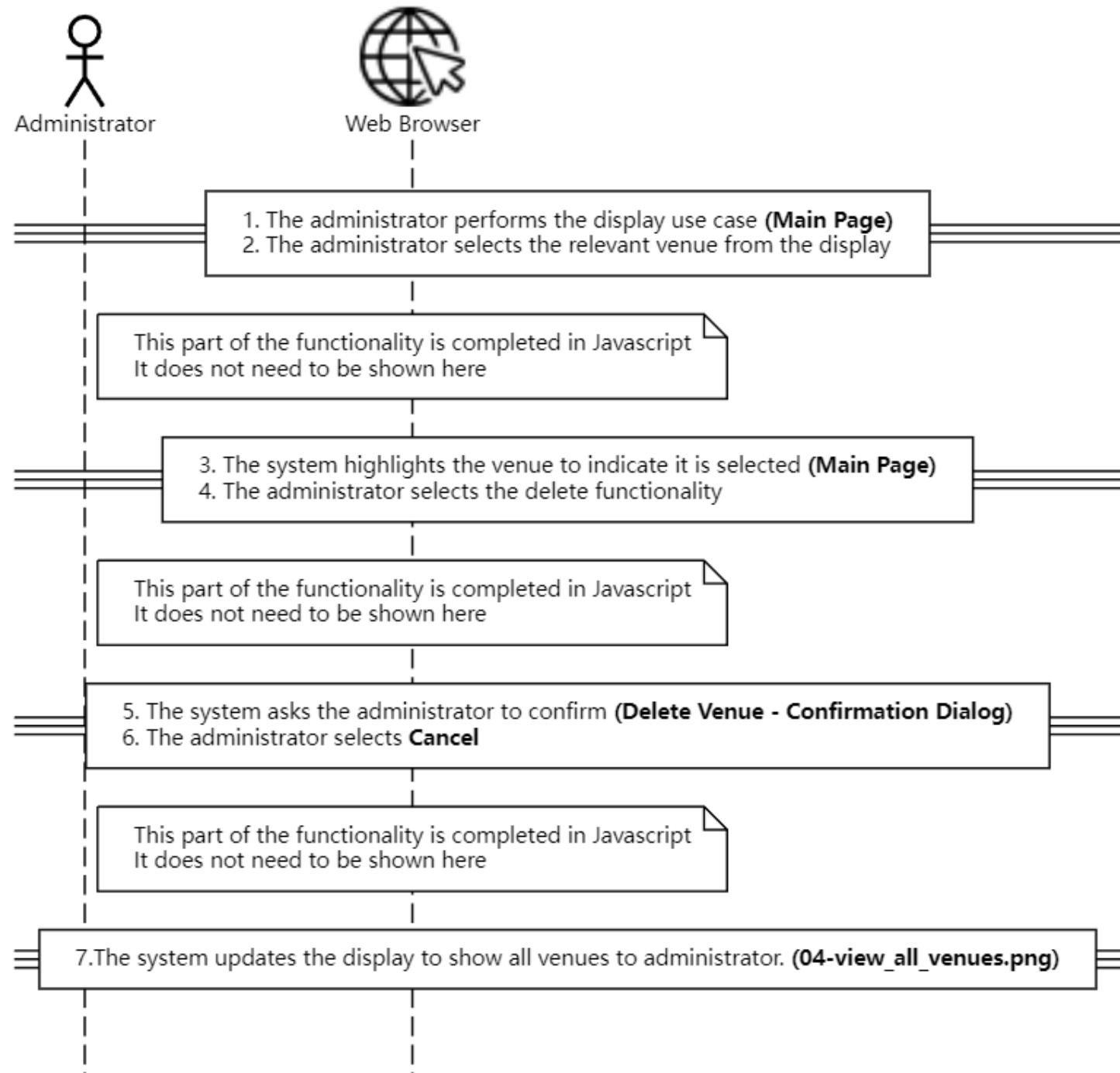


Alternate Course of Events

Do Not Delete

- The administrator is shown the list venues page (01-main_page_administrator.png) where system displays a list of existing venues.
- The administrator selects the venue to delete.
- The system highlights the venue to indicate it is selected.
- The administrator selects the delete functionality.
- The system asks the administrator to confirm.
- The administrator selects **Cancel**.
- The system updates the display to show all venues to administrator. (04-view_all_venues.png)

17-delete_venue (Alternate Course of Event - Cancel)



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

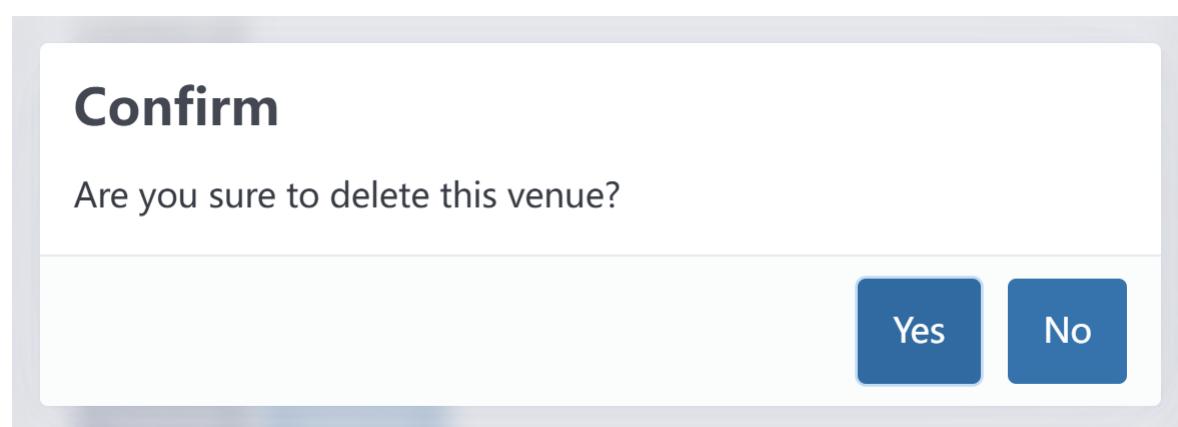
UI Sketches

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 | Edit View History Delete |
| Venue 2 | 456 Broadway | 100 people reserved | Edit View History Delete |
| Venue 3 | 789 Market St | 75 people reserved | Edit View History Delete |
| Venue 4 | 987 Center St | 150 people reserved | Edit View History Delete |

[Create Venue](#)



Venue In Use

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

Back

Data Outcome

- **Delete** - The selected venue will be removed from the system

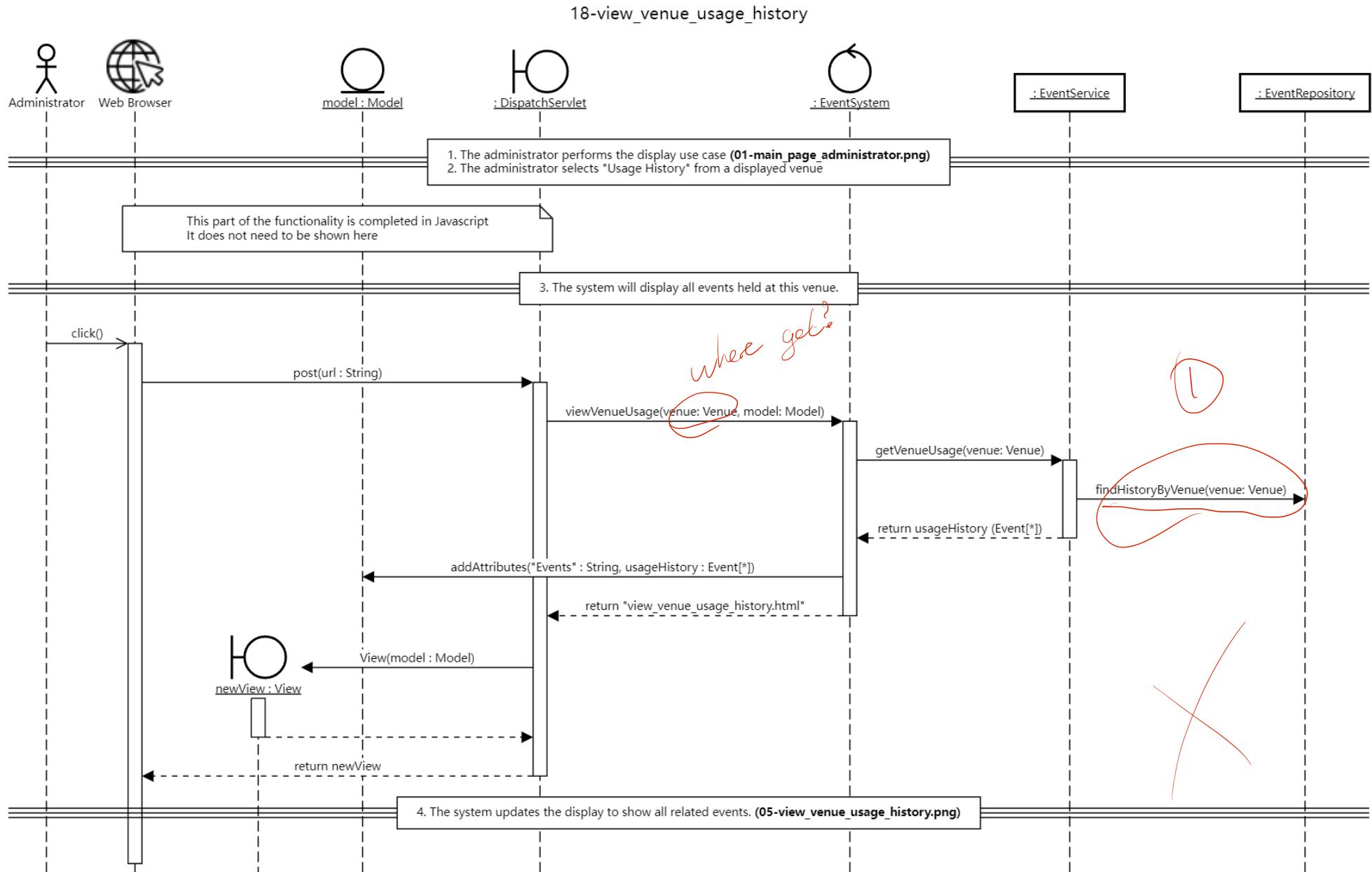
Filename - 03-design/usecases/docs/18-view_venue_usage_history.md

18 View Venue Usage History

Basic Course of Events

- 1.The administrator performs the display use case. (**01-main_page_administrator.png**)
- 2.The administrator selects “Usage History” from a displayed venue.
- 3.The system will display all events held at this venue.
- 4.The system updates the display to show all related events. (**05-view_venue_usage_history.png**)

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 | Edit View History Delete |
| Venue 2 | 456 Broadway | 100 people reserved | Edit View History Delete |
| Venue 3 | 789 Market St | 75 people reserved | Edit View History Delete |
| Venue 4 | 987 Center St | 150 people reserved | Edit View History Delete |

[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.

Filename - 03-design/usecases/docs/19-view_events_history.md

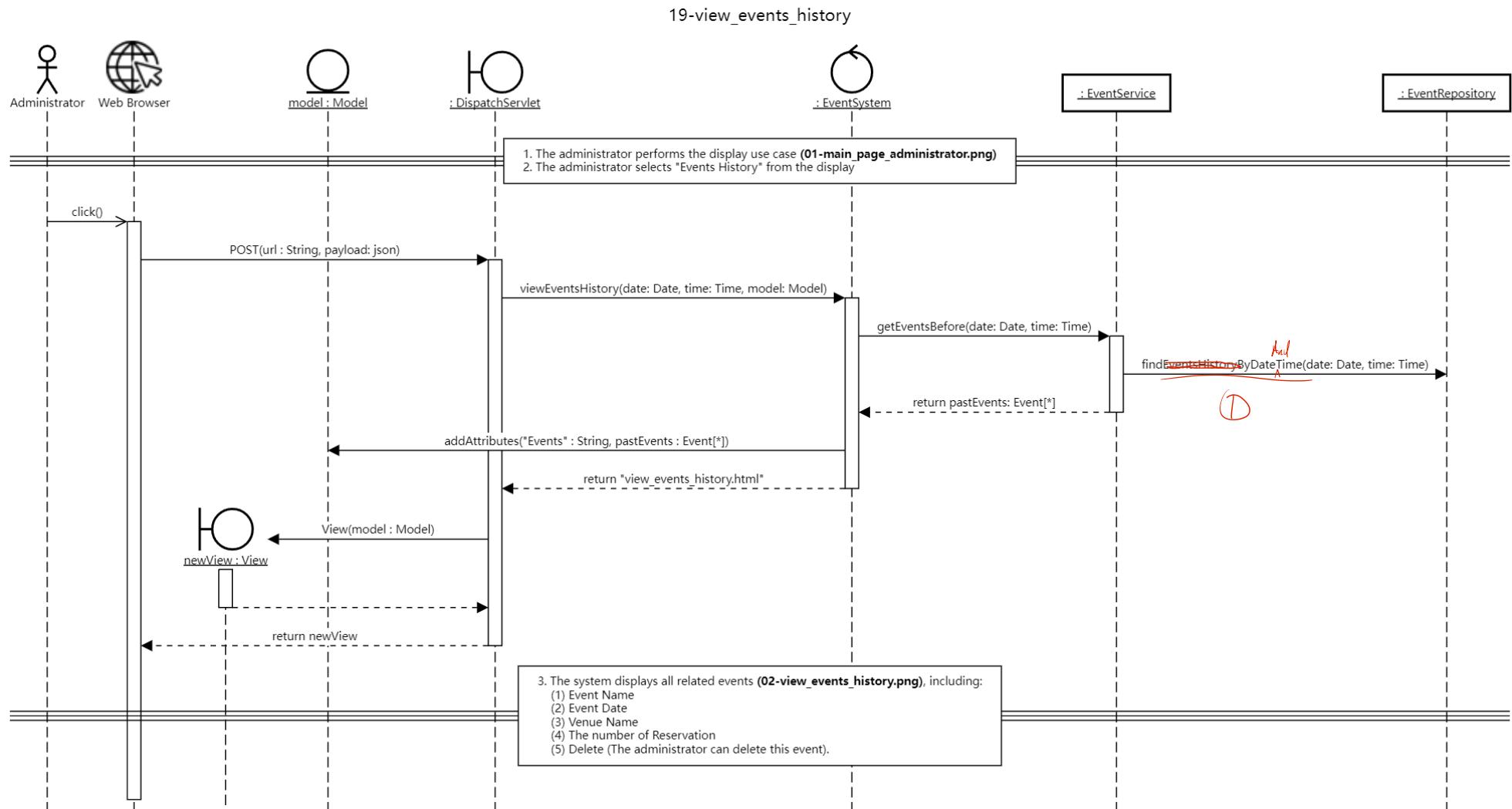
19 View Events History

Basic Course of Events

Course of Events

- 1.The administrator performs the display use case (01-main_page_administrator.png).
- 2.The administrator selects “Events History” from the display.
- 3.The system will display all related events (**02-view_events_history.png**), including:
 1. Event Name
 2. Event Date
 3. Venue Name
 4. The number of Reservation
 5. Delete (The administrator can delete this event)

Sequence Diagram



Alternate Course of Events

No Events Found

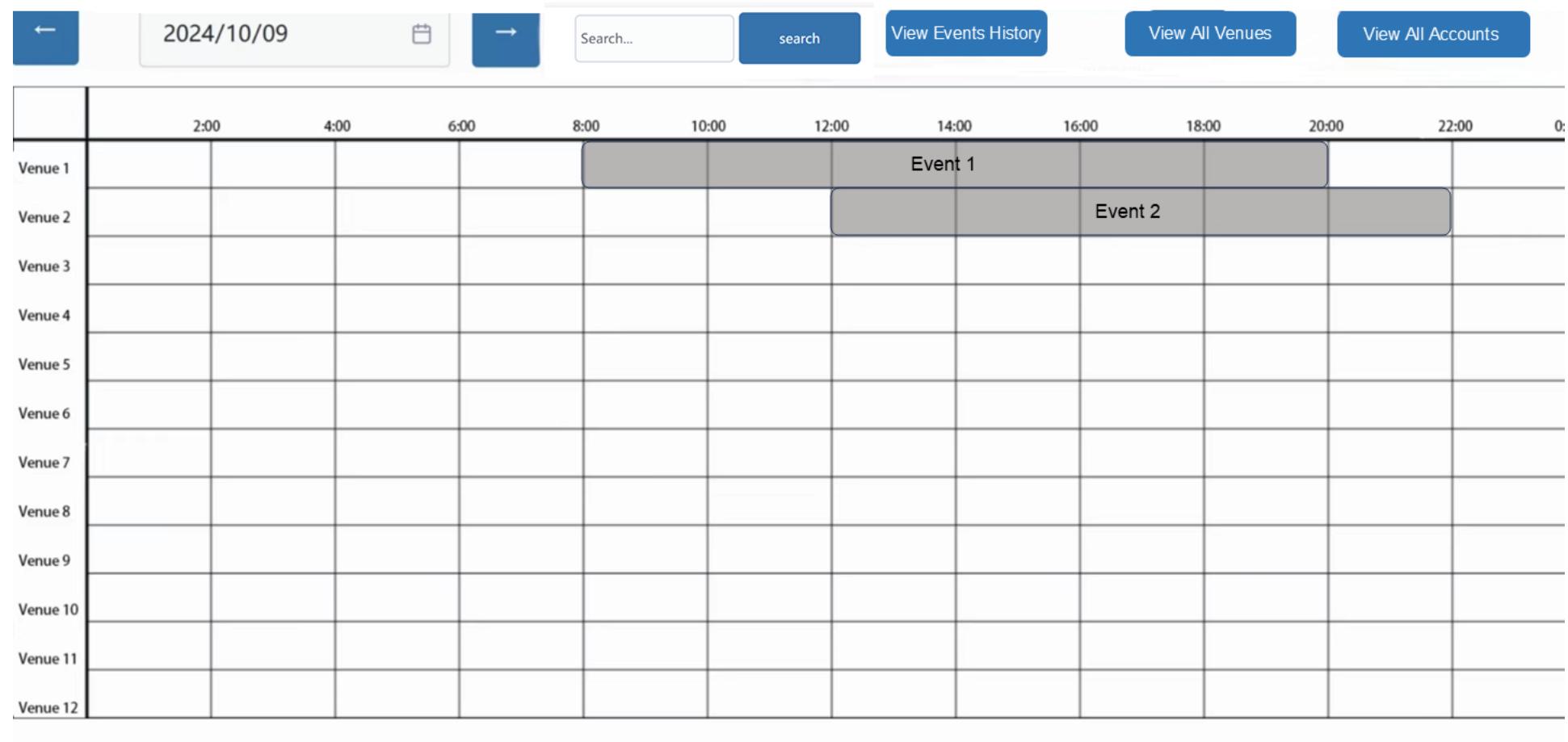
- The system shows that there are no past events in the system.

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.





Data Outcome

- **READ** - The events history will be shown on the system and the administrator can read it.

Filename - 03-design/usecases/docs/20-list_my_events.md

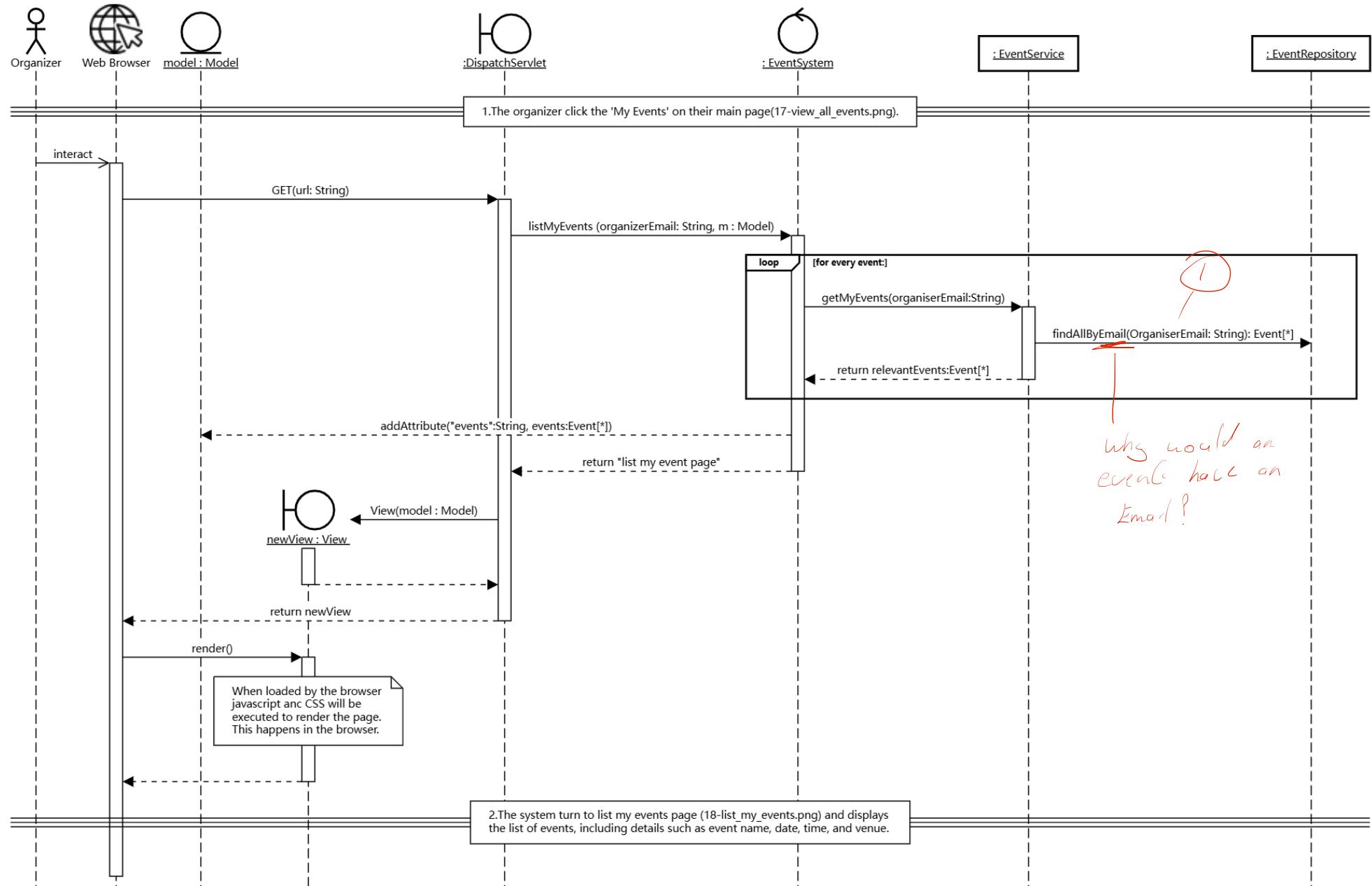
20 List My Events

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

20-list_my_events-basic



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.

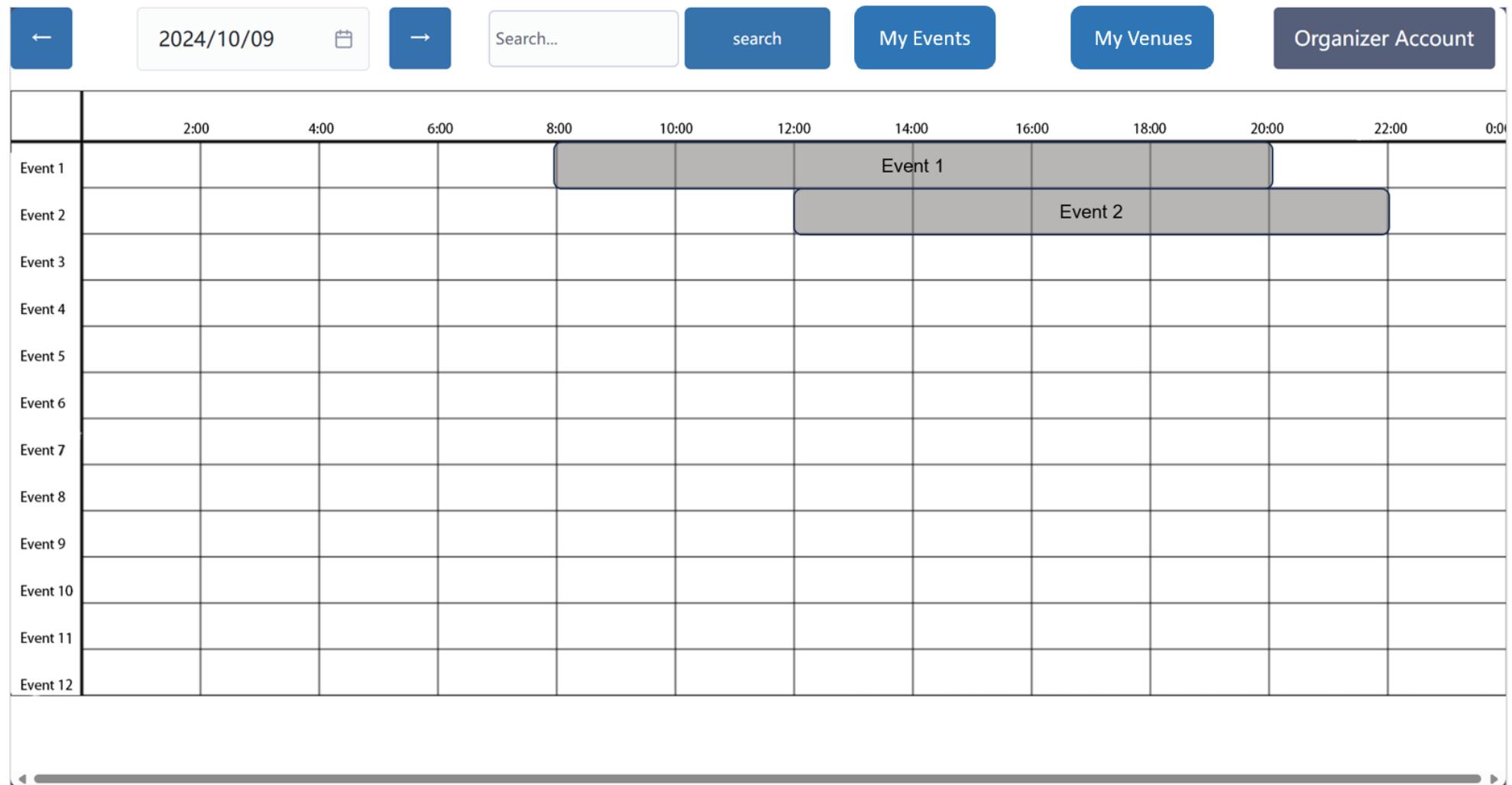
Sequence Diagram— Alternate Course of Events

- 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](#)

+

Data Outcome

- **READ** - The events of the organiser will be shown on the system and the organiser can read it.

Filename - 03-design/usecases/docs/21-create_event.md

21 Create Event

Basic Course of Events

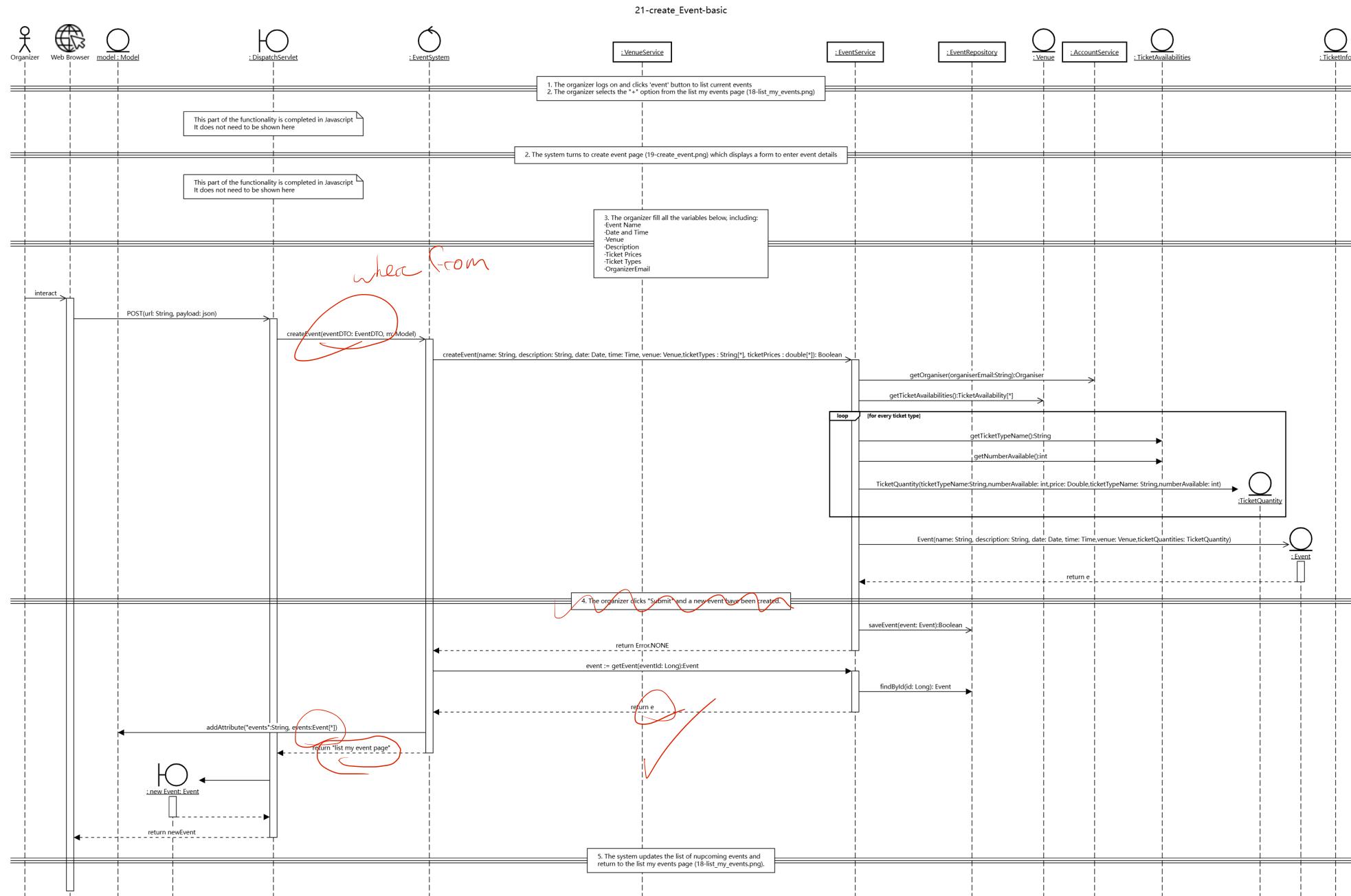
1. The organizer selects the “+” option from the list my events page (18-list_my_events.png).
2. The system turn to create event page (19-create_event.png) which displays a form to enter event details, including:
 - Event Name

- 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

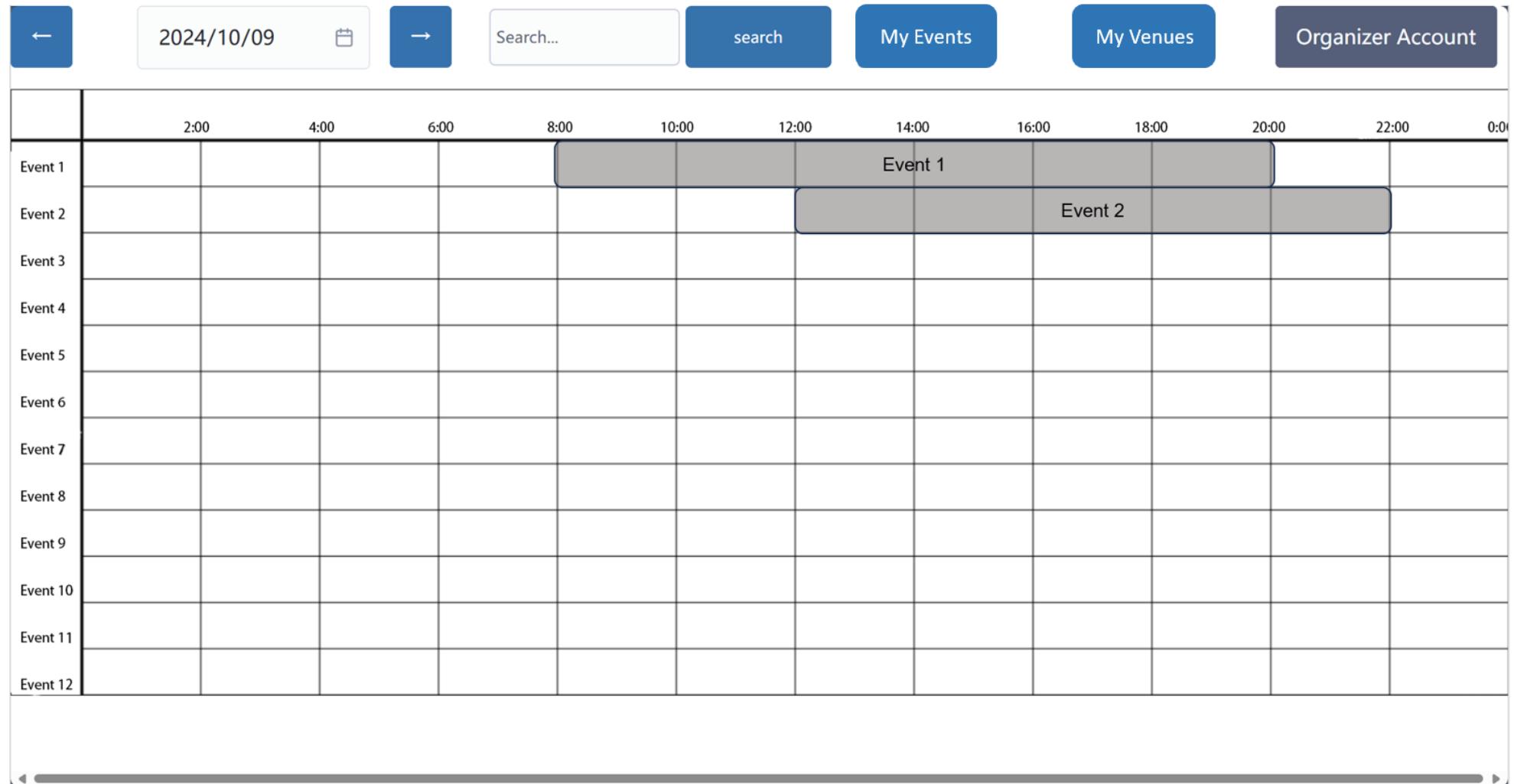
Sequence Diagram— Alternate Course of Events

- 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

Available Number

Ticket Type

Available Number

Ticket Type

Available Number

Data Outcome

- **Create** - The event will be created and added into the system.

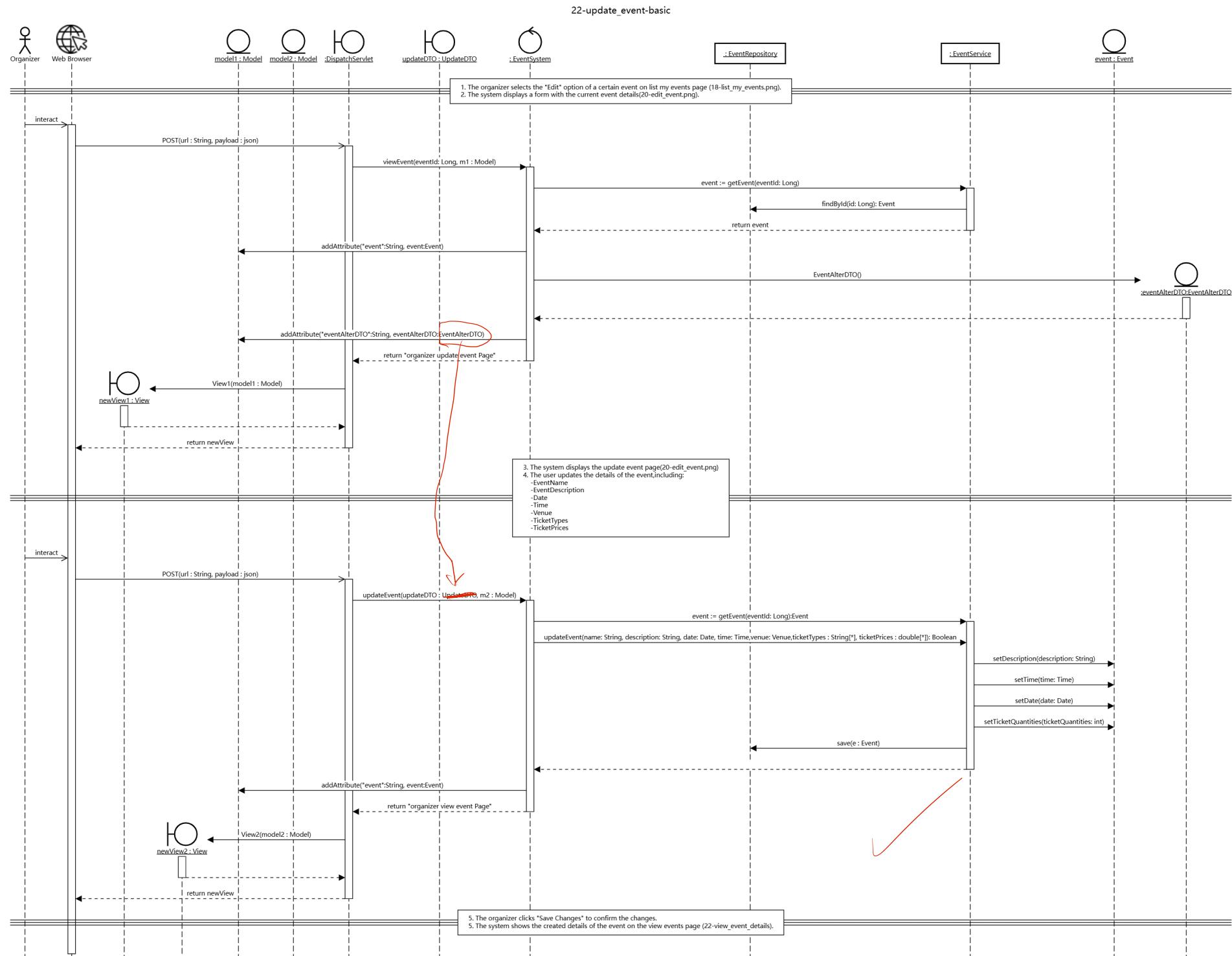
Filename - 03-design/usecases/docs/22-edit_event.md

22 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

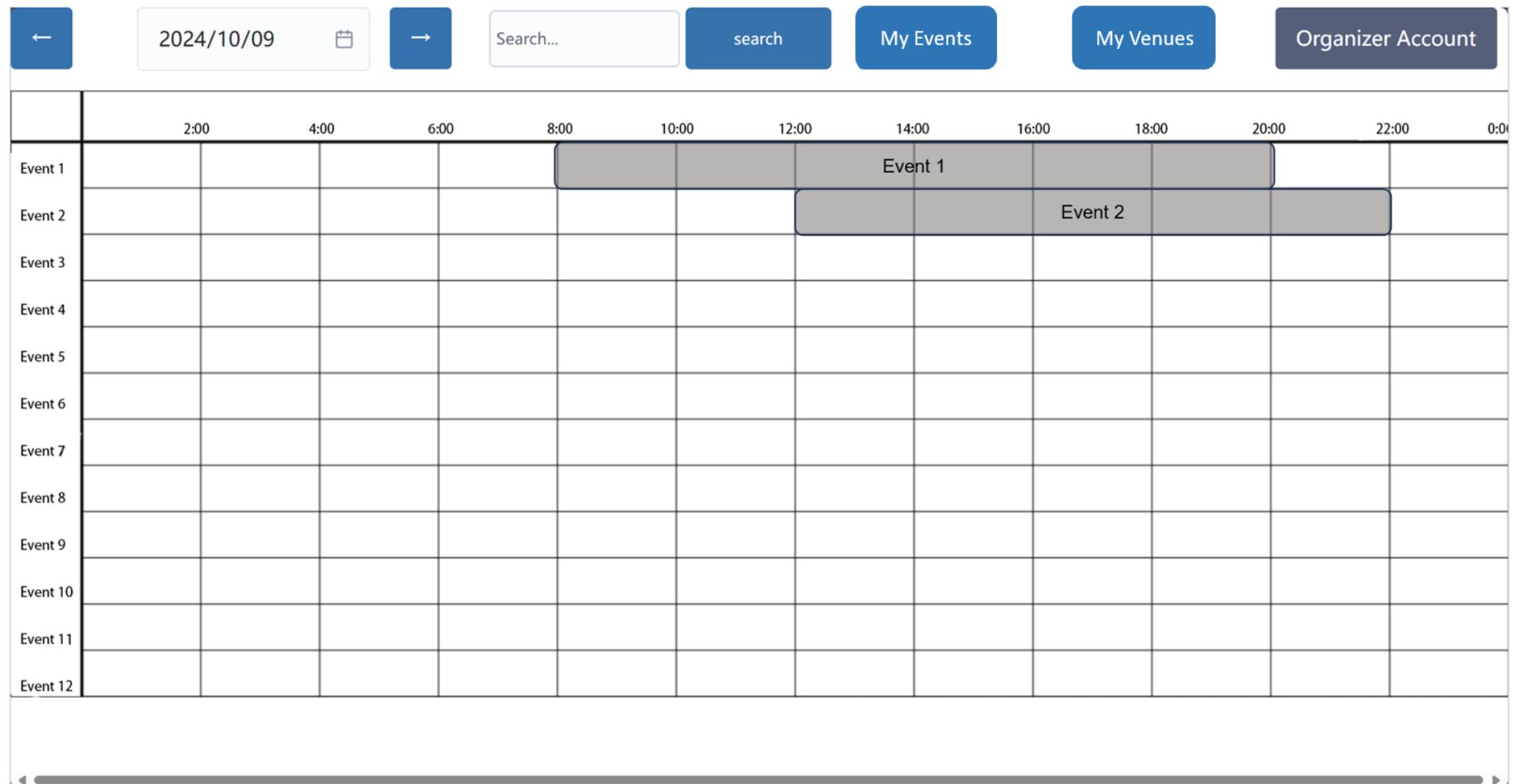
Sequence Diagram— Alternate Course of Events

- 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

Data Outcome

- **Update** - The details of the selected event will be updated.

Filename - 03-design/usecases/docs/23-list_my_venues.md

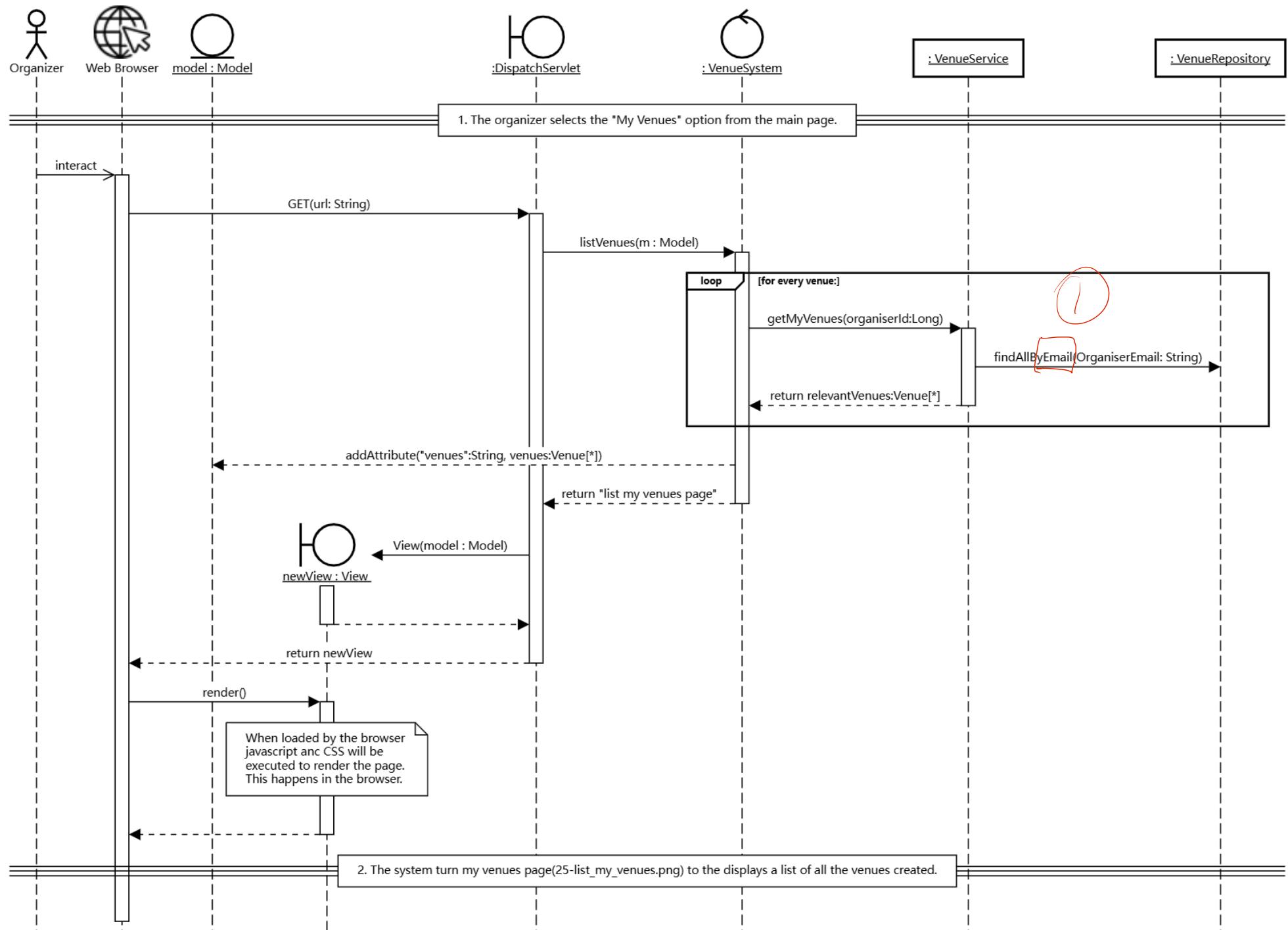
23 List My Venues

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

23-list_my_venues-basic



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.

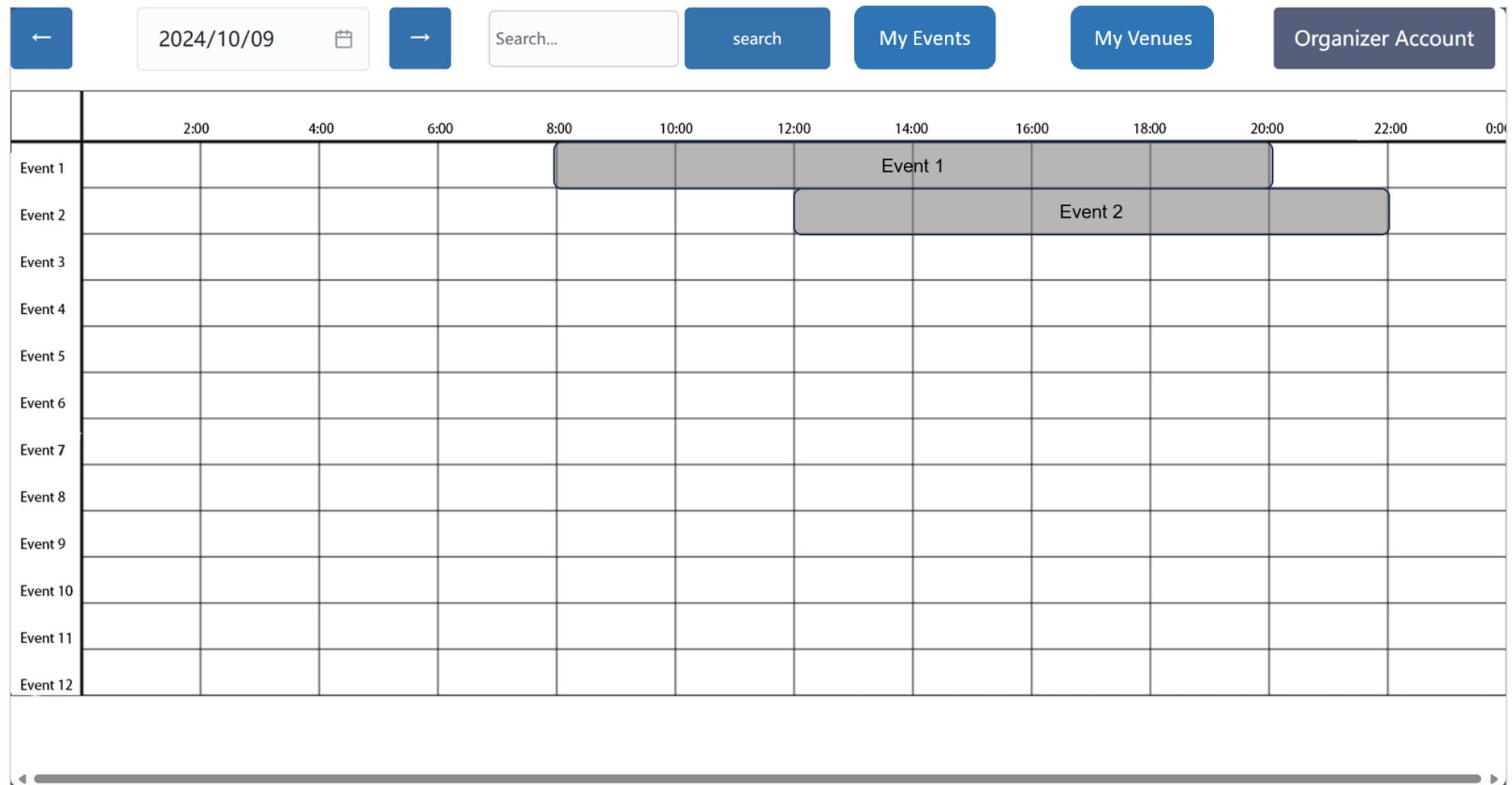
Sequence Diagram— Alternate Course of Events

- None

UI Sketches

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

Main Page



List My Venues

My Venues

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

[Create Venue](#)

Data Outcome

- Read - The venues used of the organiser will be shown on the system and the organiser can read it.

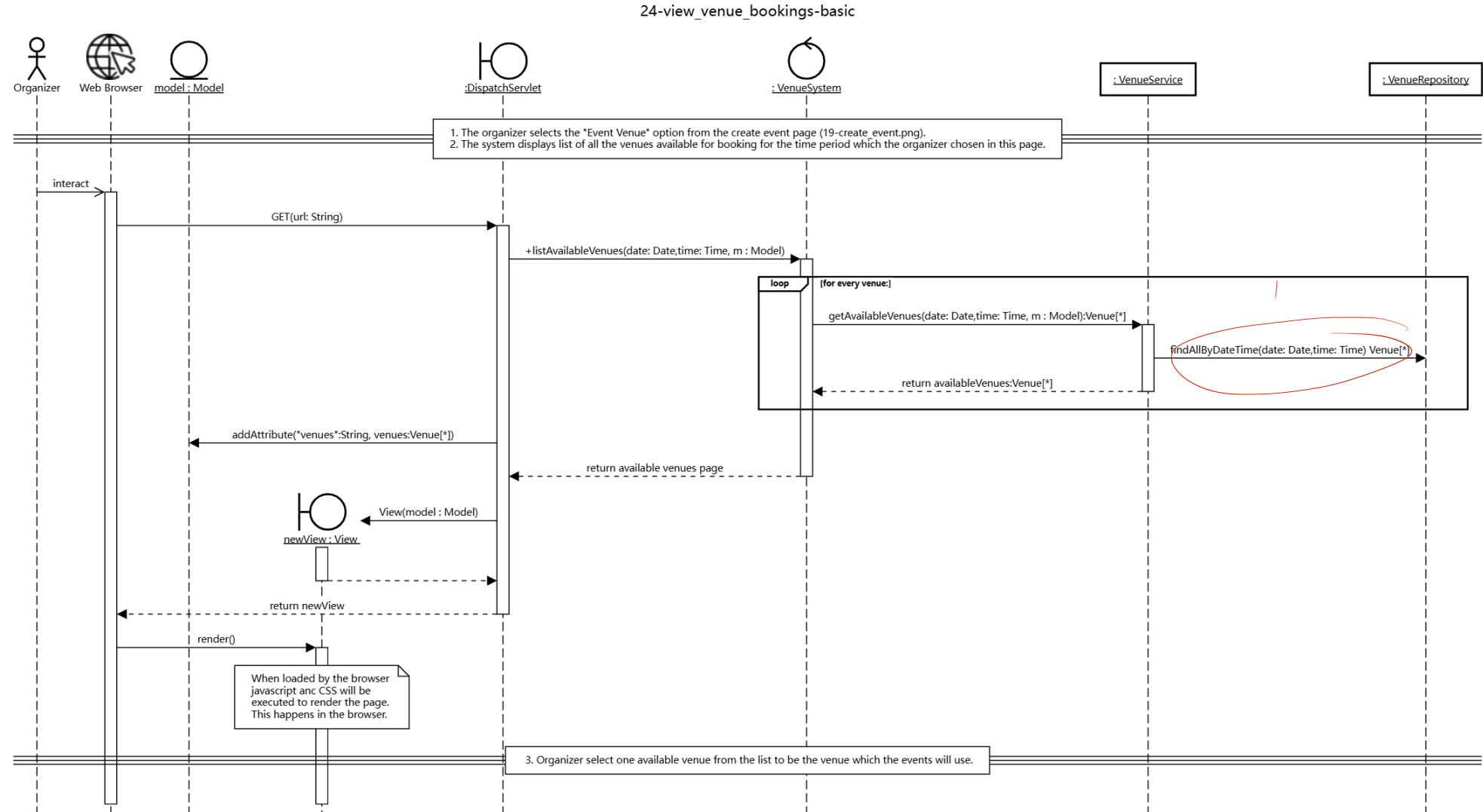
Filename - 03-design/usecases/docs/24-view_venue_bookings.md

24 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

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



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 |

Data Outcome

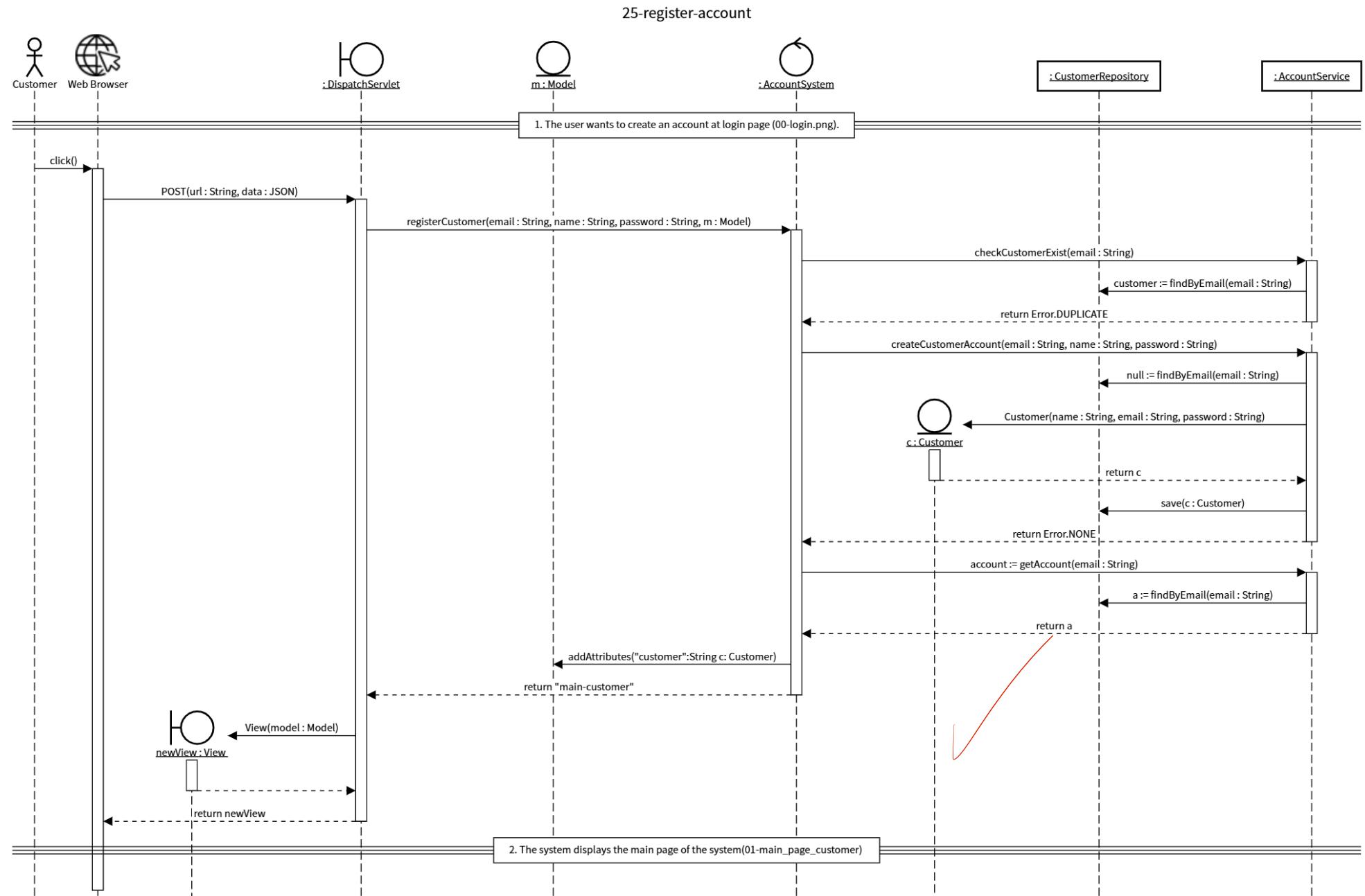
- **READ** - The system displays list of all the venues available for booking for the time period which the organizer chosen.

25 Register Account

Basic Course of Events

- A new customer select ‘Register’ in the Login page(00-login.png).
- The customer fill in necessary information to create a user, including:
 1. name
 2. email
 3. password
- The customer selects the ‘Create’.
- The system display the customer main page (34-main_page_customer.png).

Sequence Diagram



Alternate Course of Events

Cancel

- A new customer select ‘Register’ 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 customer to confirm.
- The user select **Cancel**.
- No account will be created and the system returns to the previous interface.

Duplicated information

- A new customer select ‘Register’ in the account management.
- The user fill in necessary information to create a customer, including:
 1. name
 2. email
 3. password
- The customer selects the ‘Create’.
- The system asks the user to confirm.
- The customer select **Create**.
- The service checks if the name and email are unique.
- Account information is not unique, return failure.

UI Sketches

Login

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

Login

Email:

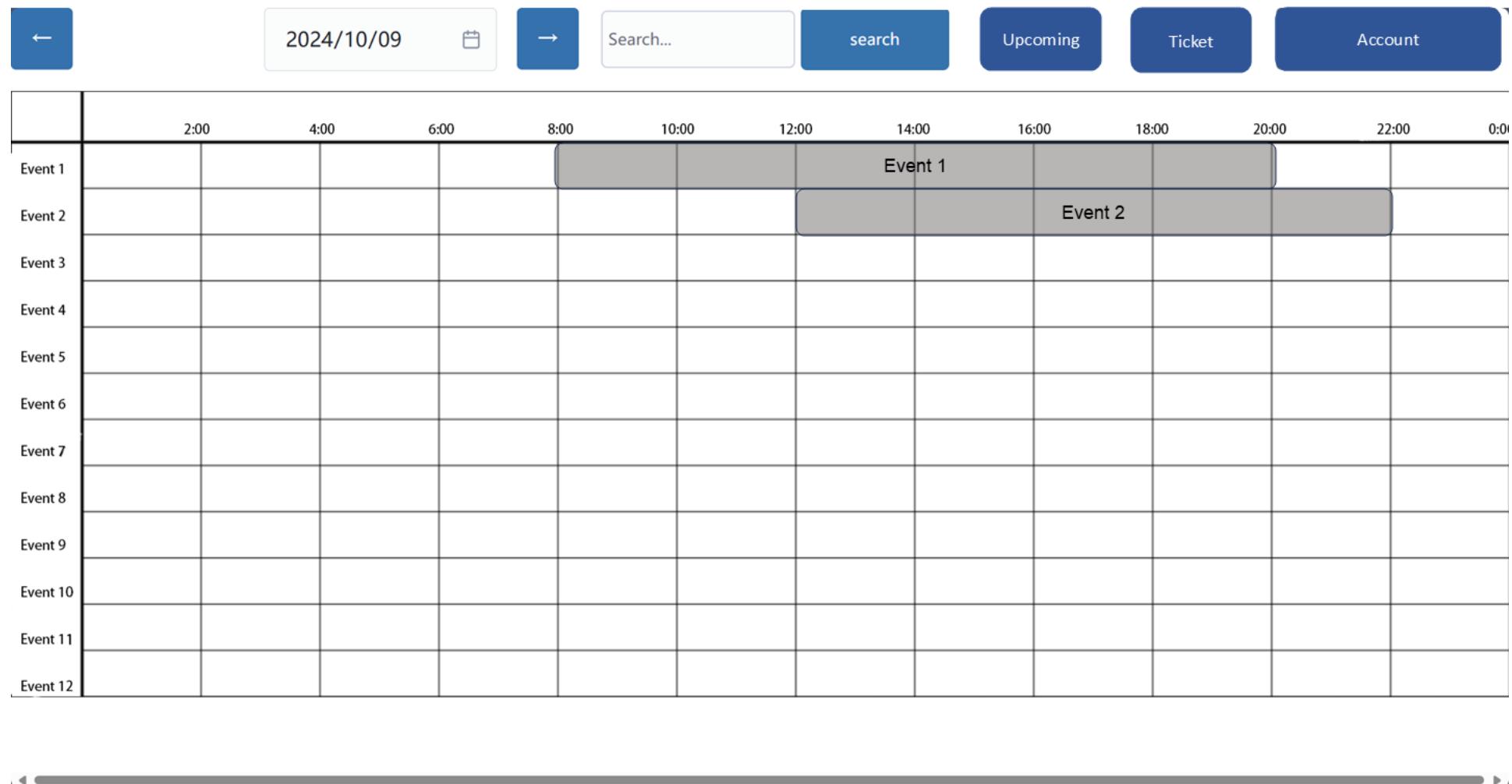
Password:

Login

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

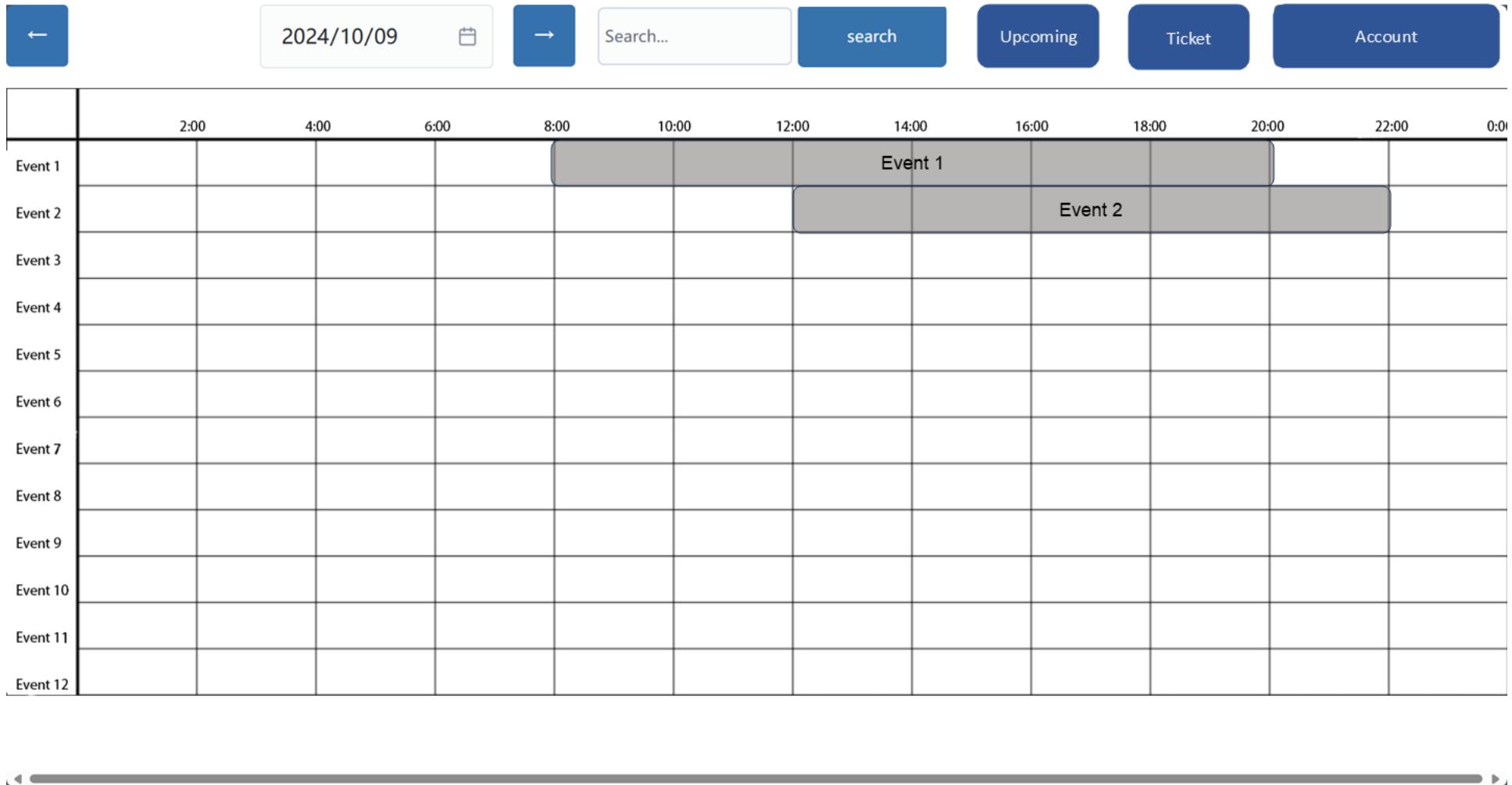
Register Page

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



Main Page

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



Data Outcome

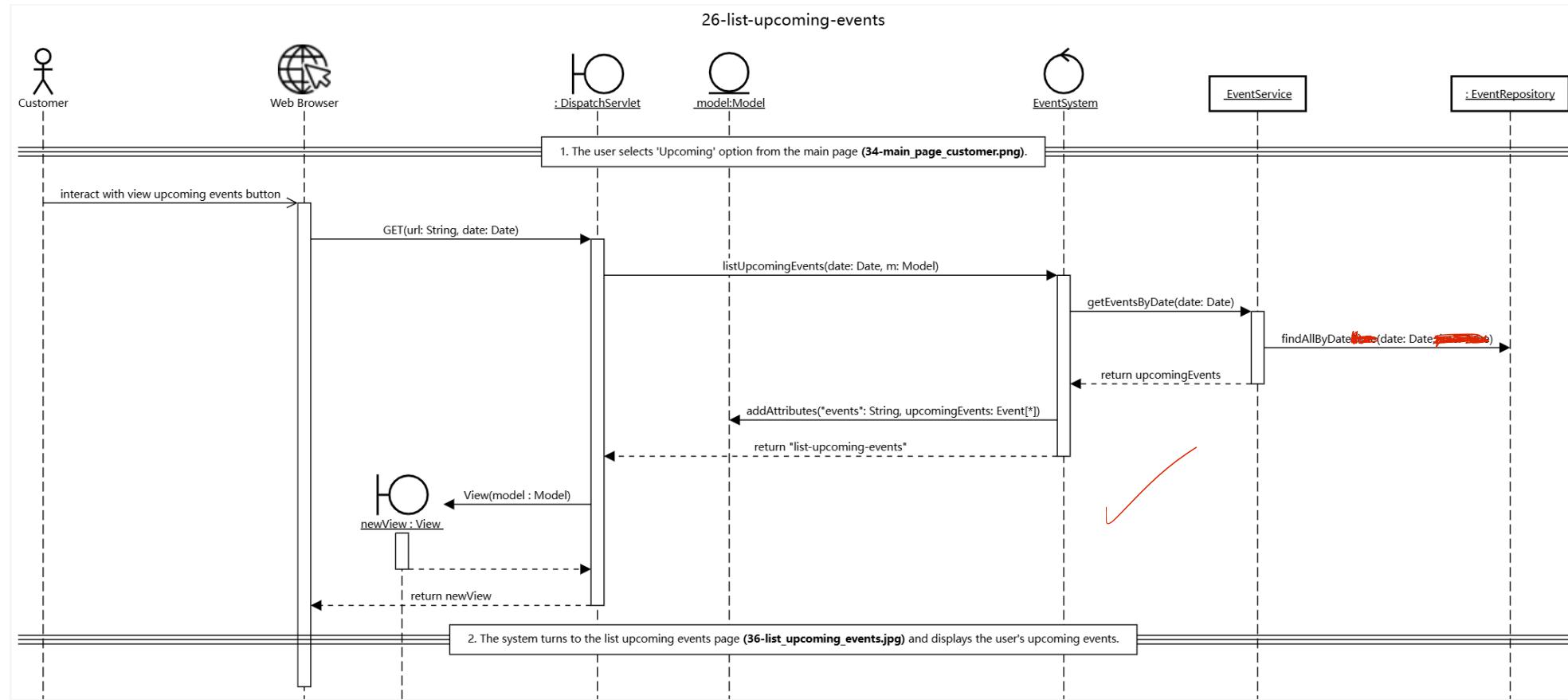
- **CREATE** - A new account will be created and added to the system.
- **READ** - The details of the newly created account will be read and displayed.

26 List Upcoming Events

Basic Course of Events

- The customer selects 'Upcoming' option from the main page (34-main_page_customer.png).
- The system turns to the list upcoming events page (36-list_upcoming_events.jpg) and displays the user's upcoming events.

Sequence Diagram



UI Sketches

Main Page

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



2024/10/09



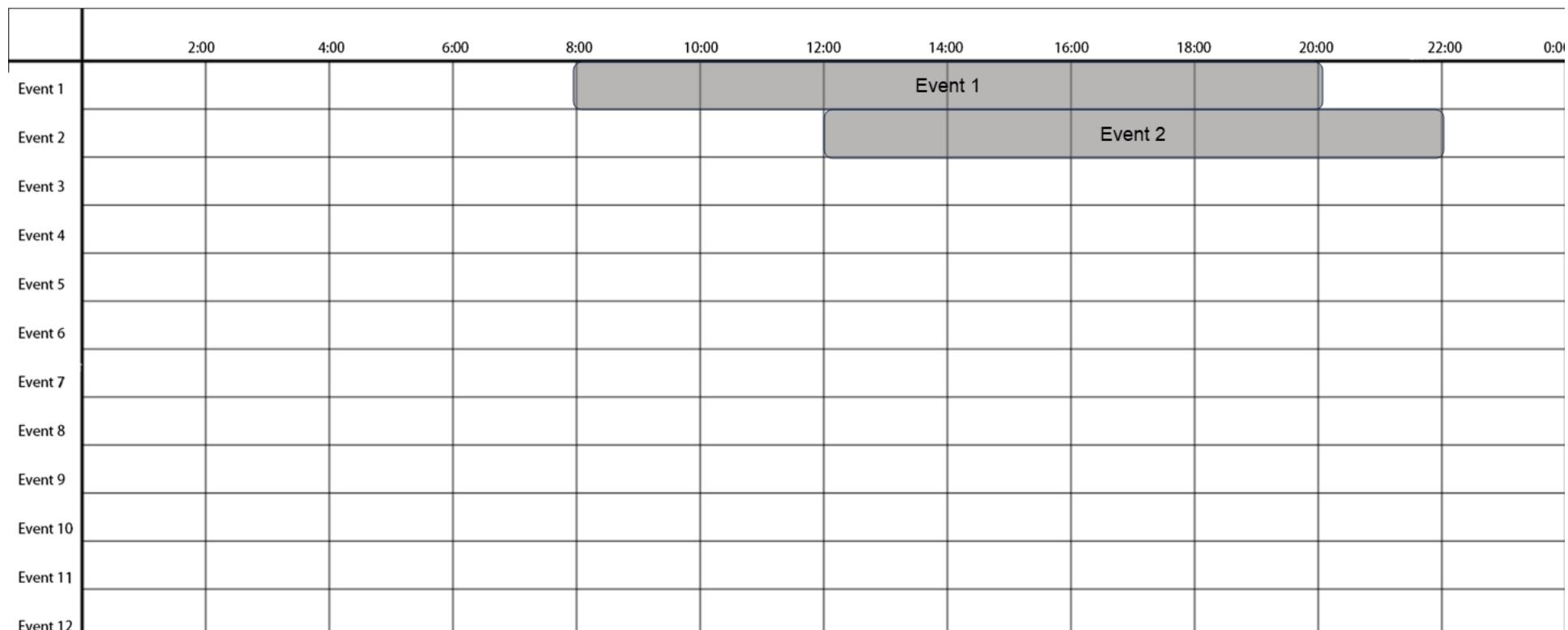
Search...

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

| | | | | |
|----------------|------------|---------------|---------------------|-------------------------|
| 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! |

+

Data Outcome

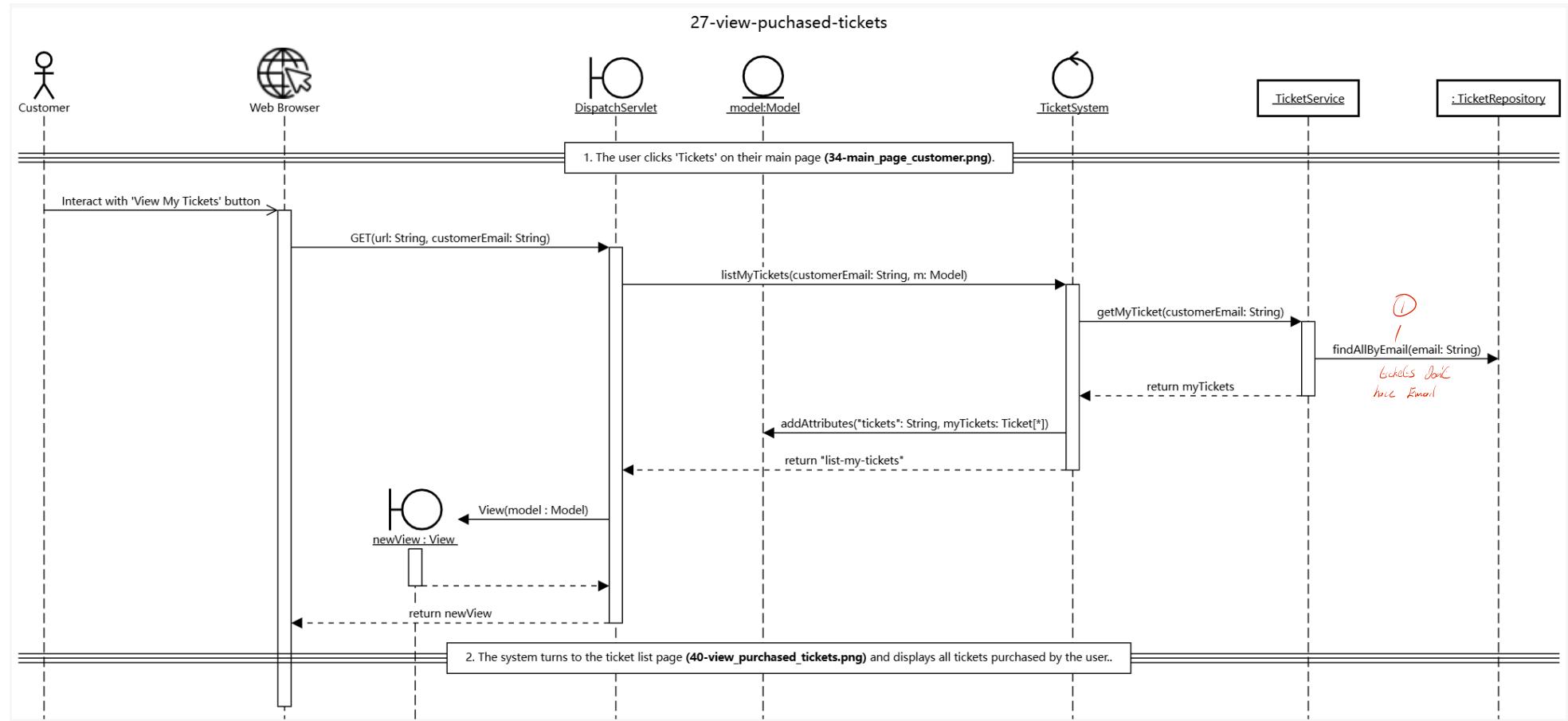
- **READ** - The list of all upcoming events will be read and displayed.

27 View Purchased Tickets

Basic Course of Events

- The user clicks 'Tickets' on their main page (34-main_page_customer.png).
- The system turns to the ticket list page (40-view_purchased_tickets.png) and displays all tickets purchased by the user.

Sequence Diagram



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.

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](#)

Data Outcome

- **READ** - The purchased tickets in the ticket management will be read and displayed.

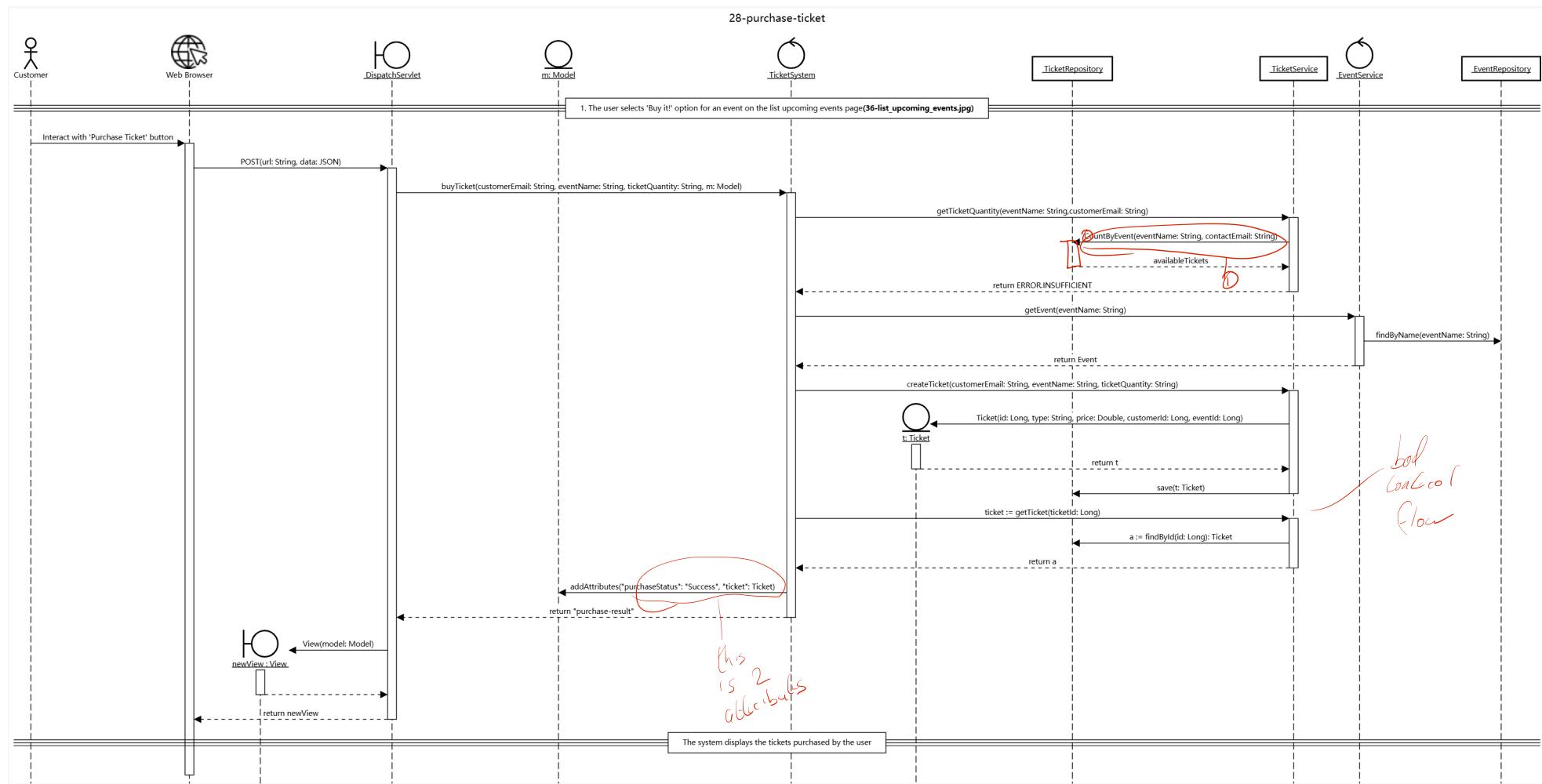
Filename - 03-design/usecases/docs/28-purchase_ticket.md

28 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



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.

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!](#)

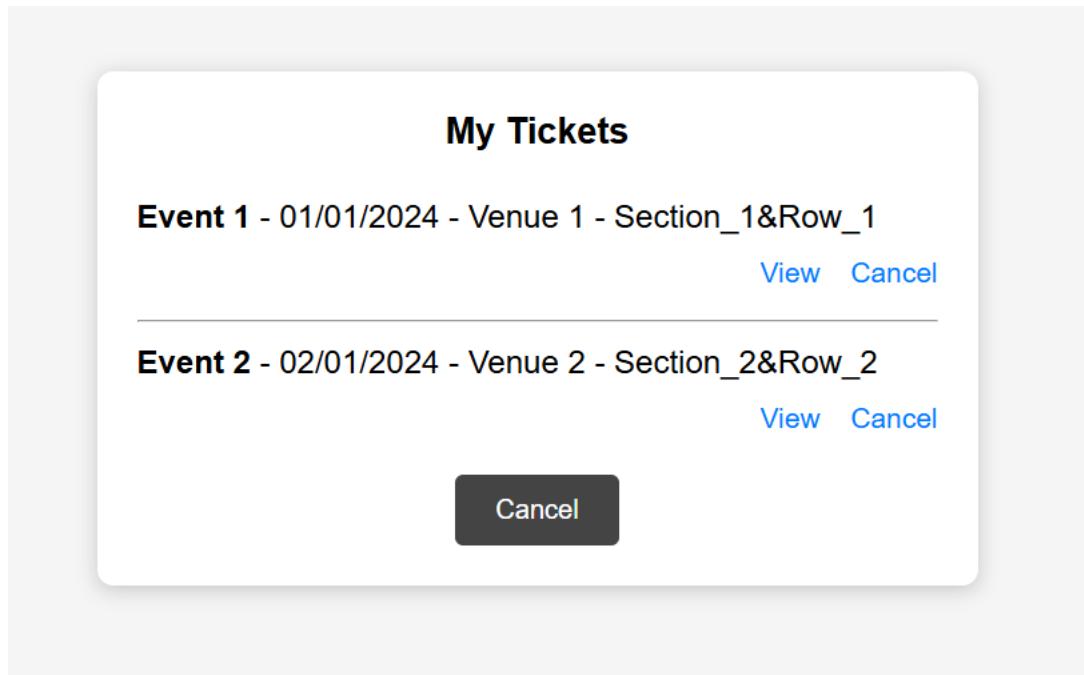
Event 3 03/01/2024 789 Market St 75 people reserved [Buy it!](#)

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.



Data Outcome

- **READ** - The details of the target ticket will be read and displayed.
- **UPDATE** - The selected event will be added into the account system.

Filename - 03-design/usecases/docs/29-view_ticket_details.md

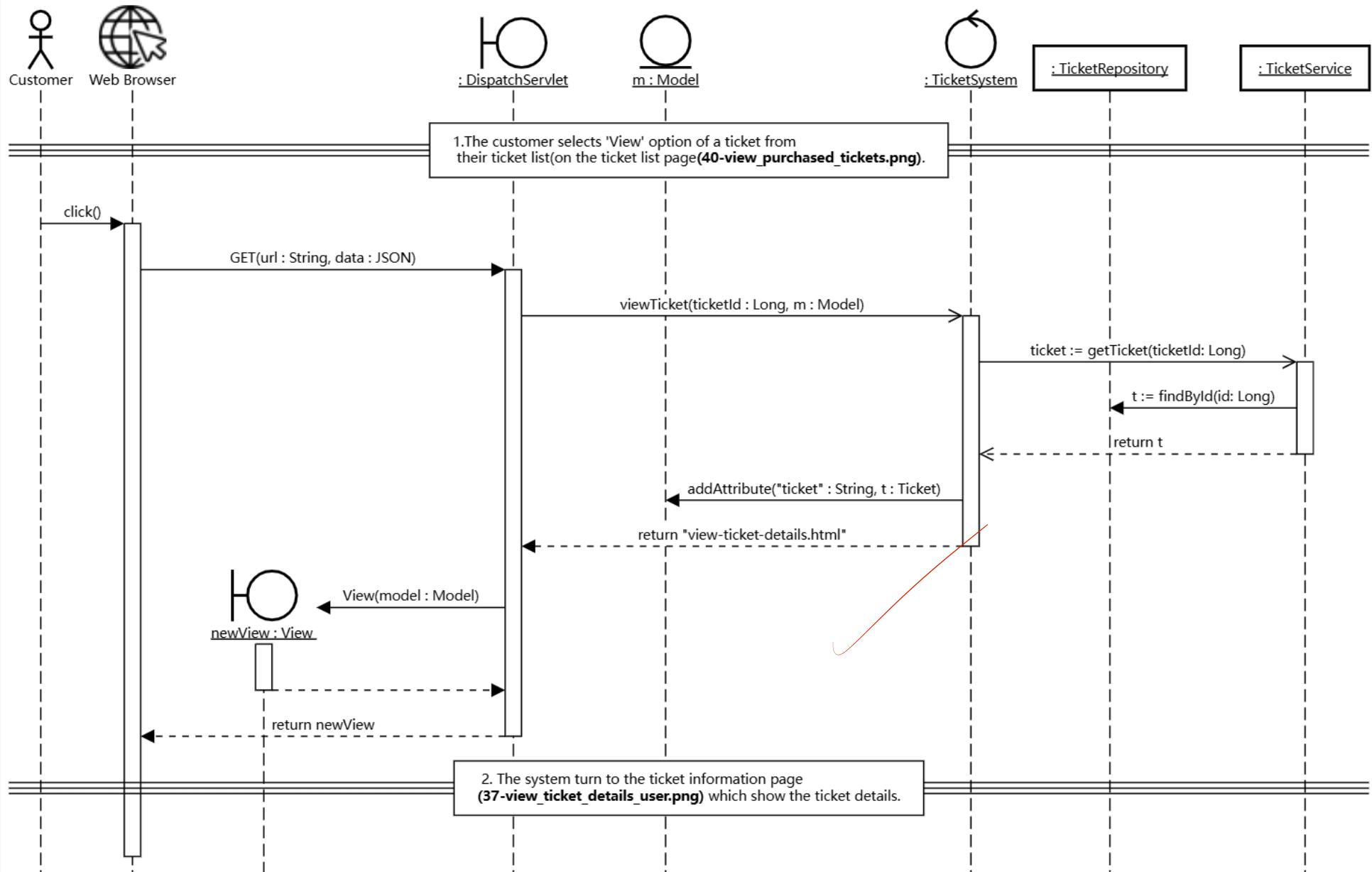
29 View Ticket Details

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

29-View Ticket Details Basic



Alternate Course of Events

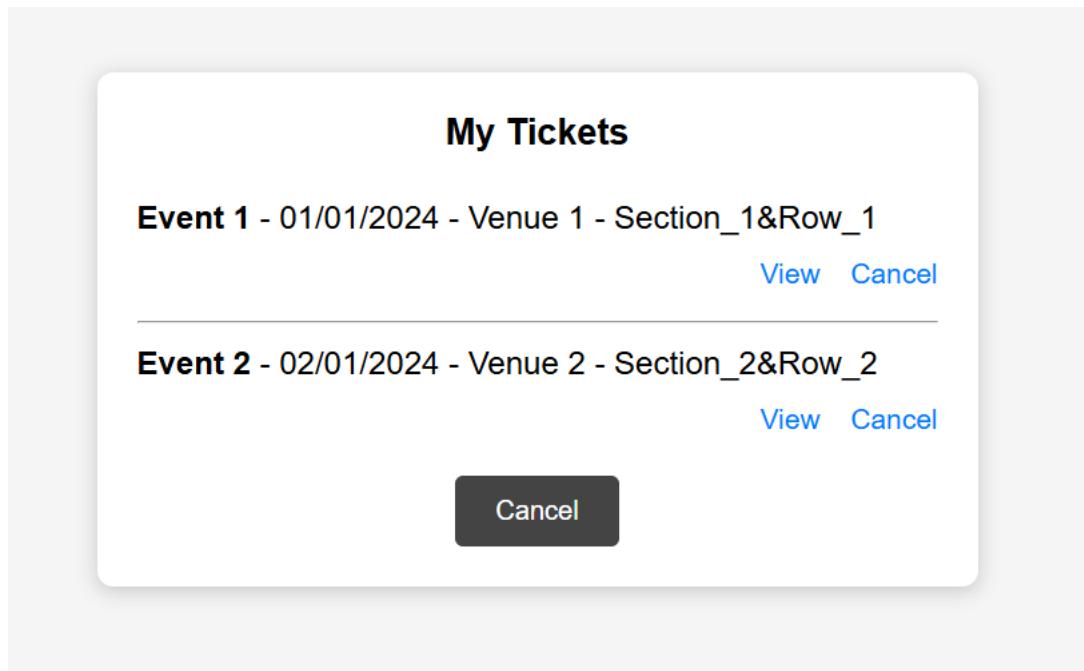
-None

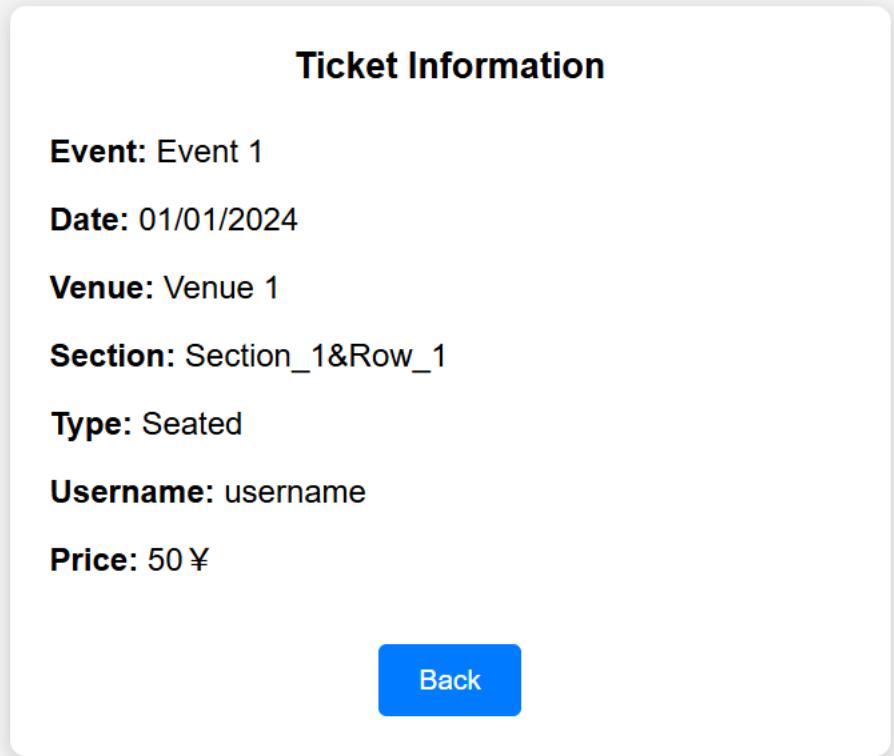
Sequence Diagram— Alternate Course of Events

-None

UI Sketches

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





Data Outcome

- **Read** - The details of the ticket will be shown on the system and can be read.

Filename - 03-design/usecases/docs/30-cancel_ticket.md

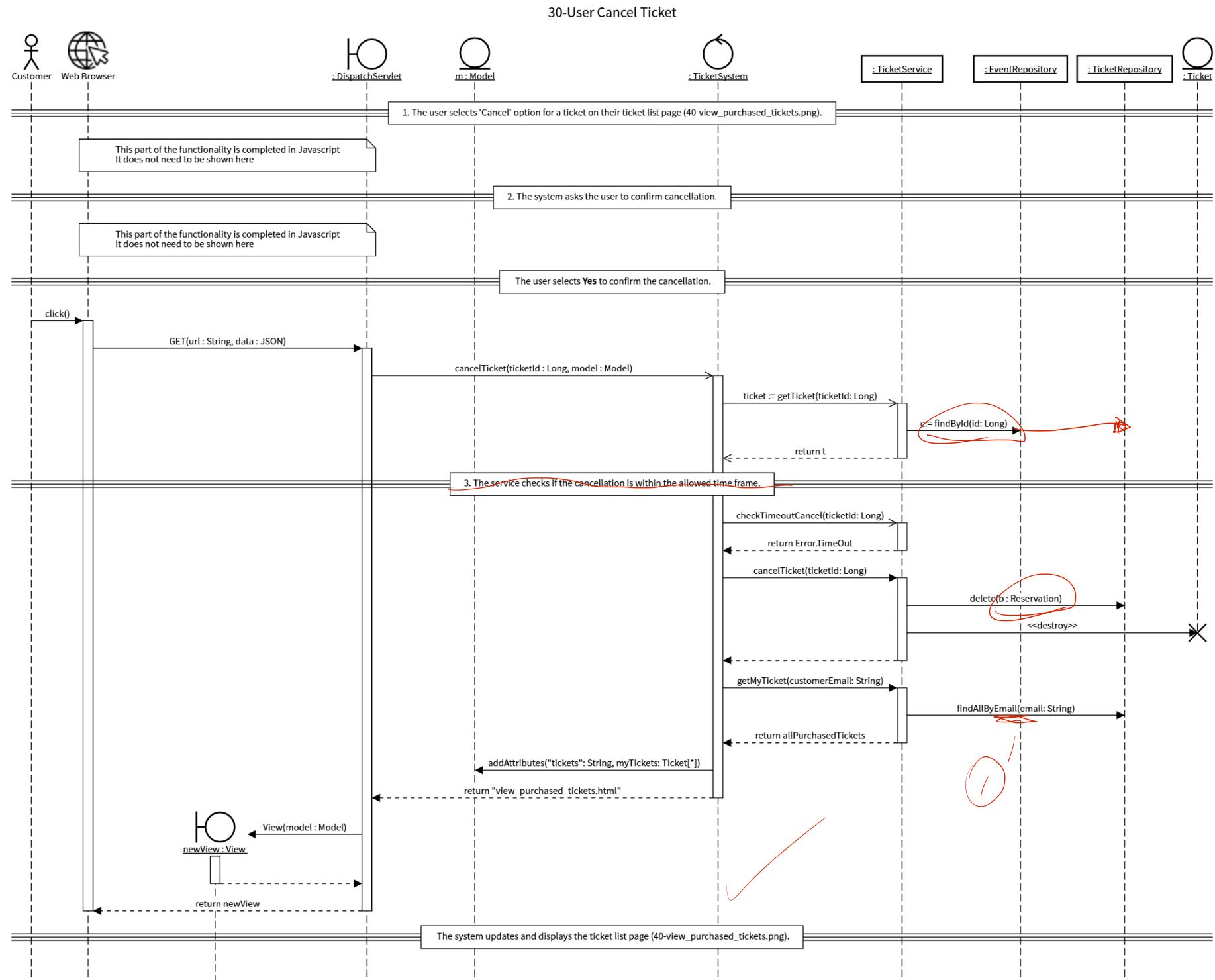
30 User Cancel Ticket

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

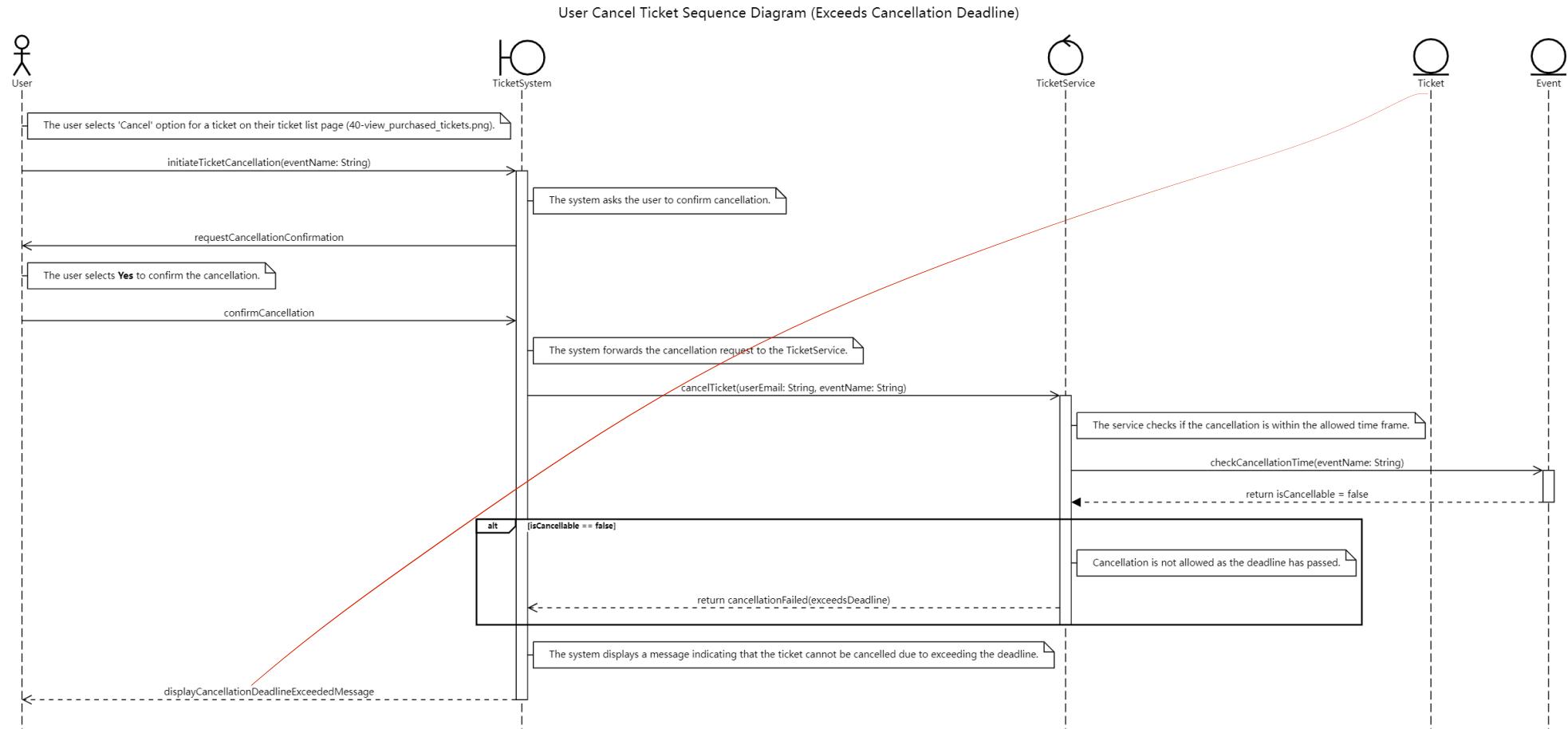


Alternate Course of Events

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

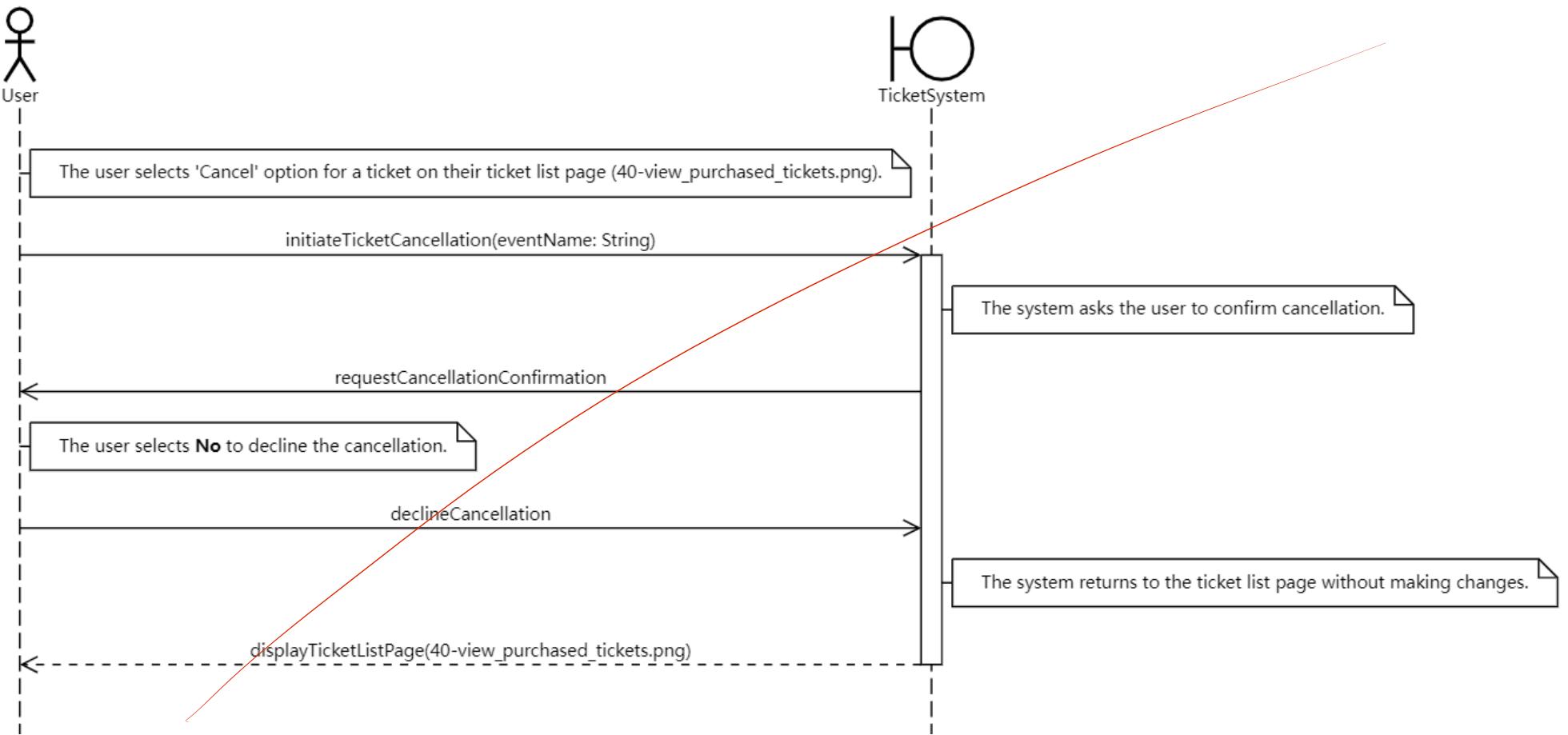


Do Not Cancel

- 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](#)

Event 2 - 02/01/2024 - Venue 2 - Section_2&Row_2

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

[Cancel](#)

Data Outcome

- **Delete** - The selected ticket will be removed from the customer account.
- **Update** - The number of the ticket in the system will be updated