Kauno technologijos universitetas

Informatikos fakultetas

Inžinerinis projektas

Projekto ataskaita

Nojus Bronušas

Studentas

Prof. Tomas Blažauskas

Dėstytojas

doc. prakt. Rasa Mažutienė

Dėstytoja

Kaunas, 2024

Turinys

Užduotis 3
1. Sprendžiamo uždavinio aprašymas 4
2. Sistemos architektūra (Diegimo diagrama) 6
3. Naudotojo sąsaja 7
4. API specifikacija 30
Išvados 48

Užduotis

- Parengta ir su dėstytoju suderinta projekto užduotis. Minimalūs užduoties apimties reikalavimai:
- bent 3 taikomosios srities objektai tarpusavyje susieti prasminiu ir hierarchiniu ryšiu (pvz.: tema->įrašas->komentaras);
- bent 5 sąsajos (API) metodai (4 CRUD metodai ir 1 metodas grąžinantis sąrašą) kiekvienam taikomosios srities objektui;
- Iš viso 15 skirtingų API metodų.
- bent 1 iš realizuotų sąsajos (API) metodas turi būti hierarchinis, pvz.: grąžinti visus konkretaus namo butus.
- bent 3 rolės (pvz.: svečias, narys, administratorius);
- Programinis sprendimas turi naudoti duomenų bazę;
- Projektas turi būti realizuotas taikant REST principus;
- Turi būti realizuota autentifikacija ir autorizacija naudojant OAUTH2 arba JWT (naudojant JWT pasirinkti tinkamą žetonų atnaujinimo strategiją);
- Parengta grafinė naudotojo sąsaja (GUI);
- Realizuotas produktas turi būti pasiekiamas saityne, tam panaudojant debesų technologijas.
- Parengta sukurto programinio produkto dokumentacija: uždavinio aprašymas, architektūros diagrama, sąsajų specifikacija naudojant OpenAPI, panaudojimo pavyzdžiai, darbo išvados.

Projektas talpinamas: https://github.com/Noskeris/saitynai

1. Sprendžiamo uždavinio aprašymas

1.1. Sistemos paskirtis

Sistema yra sukurta siekiant palengvinti organizacijų renginių valdymą, suteikiant paprastą ir patogų įrankį efektyviai administruoti renginius bei dalyvių informaciją. Naudodamiesi sistema, organizacijos gali kurti naujus renginius, redaguoti esamus, juos ištrinti arba peržiūrėti jų detales. Taip pat suteikiama galimybė peržiūrėti renginių dalyvių sąrašus, kas padeda užtikrinti sklandų dalyvių valdymą ir komunikaciją.

Dalyviai gali lengvai registruotis į renginius, o prireikus – atšaukti savo registraciją, kas padeda užtikrinti lankstumą ir prisitaikymą prie jų poreikių. Svečiai turi galimybę peržiūrėti renginius ir jų detales, tačiau neturi galimybės tapti dalyviu, kol neprisijungia prie sistemos. Taip sistema išlieka lanksti ir naudinga net ir platesnei auditorijai.

1.2. Sistemos reikalavimai

Sistema palaiko tris roles:

- **Organizatorius:** organizuoja ir valdo renginius.
- **Naudotojas:** gali matyti organizacijų ir jų organizuojamų renginių informaciją, tapti norimo renginio dalyviu.
- **Svečias:** kaip ir naudotojas, gali matyti organizacijų ir jų organizuojamų renginių informaciją, tačiau negali tapti renginių dalyviu, kol neprisijungs prie sistemos.

Funkciniai reikalavimai:

- **Registracija ir prisijungimas prie sistemos:** sistemos naudotojai gali registruotis ir prisijungti.
- **Organizacijos valdymas:** organizacijos kūrimas, jos matymas, redagavimas ir šalinimas.
- **Renginių valdymas:** renginio kūrimas, matymas, redagavimas ir trynimas.
- **Renginio laikų valdymas:** renginio laikų kūrimas, matymas, redagavimas, trynimas, atšaukimas, įsiregistravimas ir išsiregistravimas.
- Sistema reaguoja į besikeičiantį lango dydį

Nefunkciniai reikalavimai:

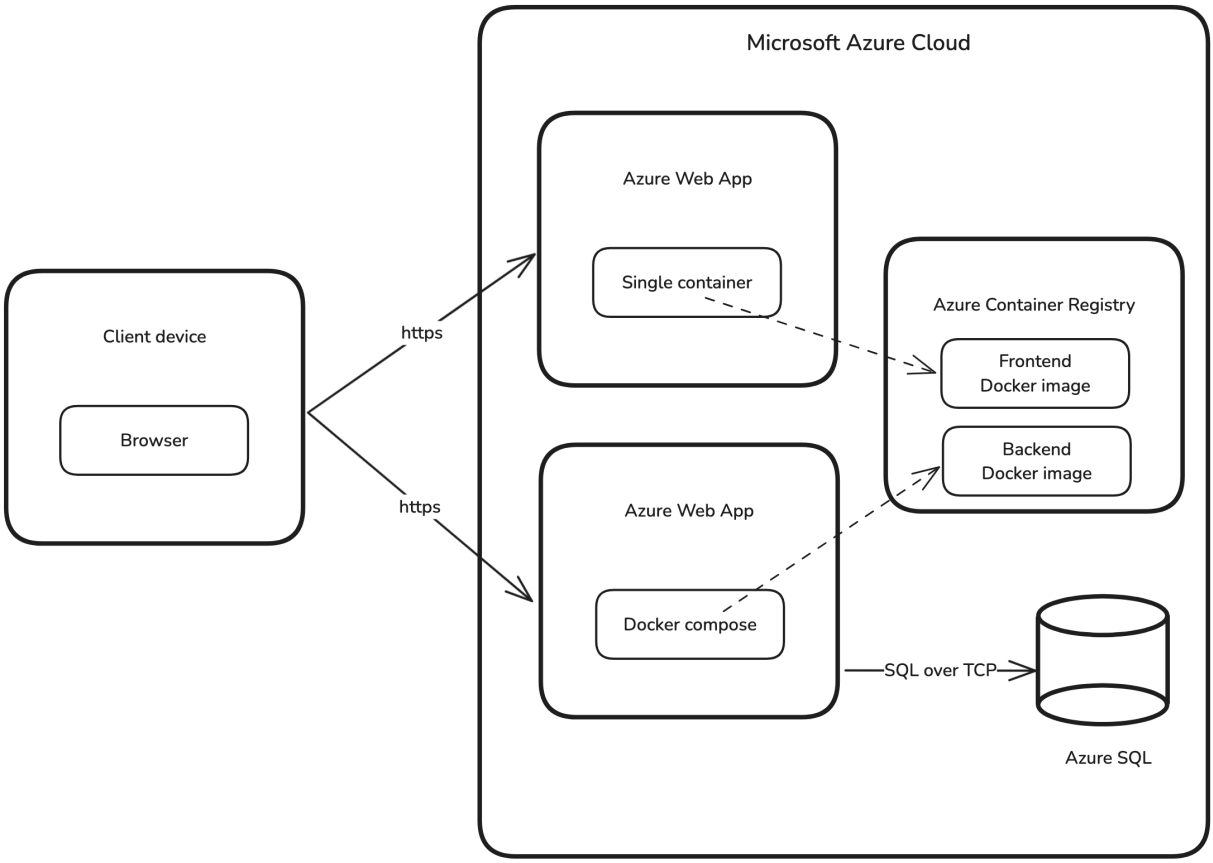
- Antraštė, turinys ir poraštė yra skirtingo stiliaus ir funkcionalumo
- Parinkti besiderinančias turinio spalvas
- Elementų matomumas ir pasiekiamumas neturi būti apsunkintas
- Įvedimo formos turi būti aiškios ir nuoseklios

1.3. Naudojamos technologijos

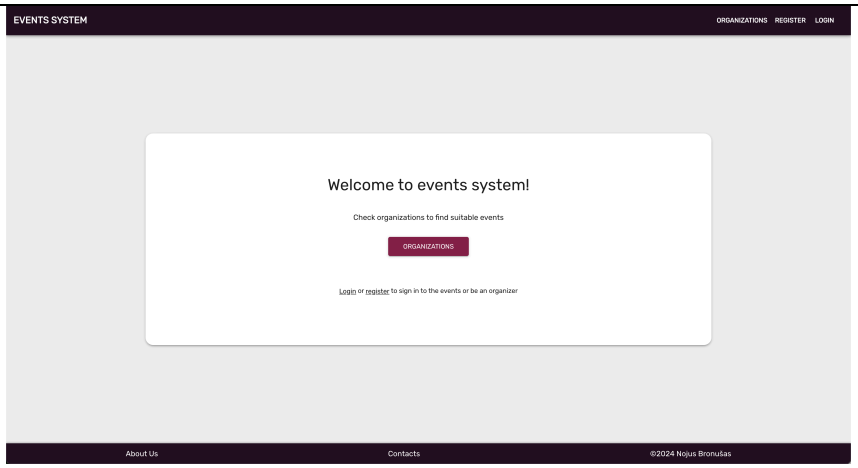
Pasirinktų technologijų aprašymas:

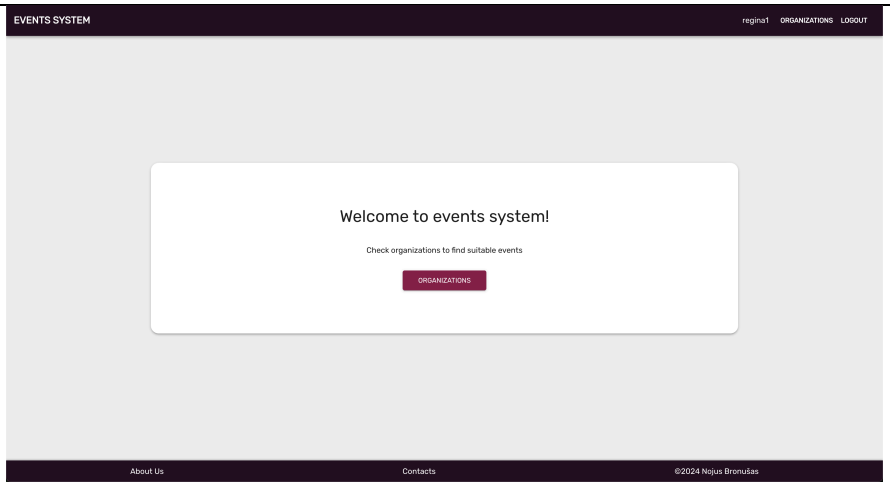
- **Frontend**: React JS – naudojamas sukurti interaktyvią naudotojo sąsają.
- **Backend**: .NET 8 – naudojamas serverio logikai įgyvendinti.
- **Cloud**: Azure Cloud – debesų kompiuterija naudojama sistemai talpinti.
    - **Duomenų bazė**: Azure Database – duomenų saugojimui.
    - **Talpinimas**: Azure Websites – sistema talpinama ir pasiekiama per Azure svetainių platformą.

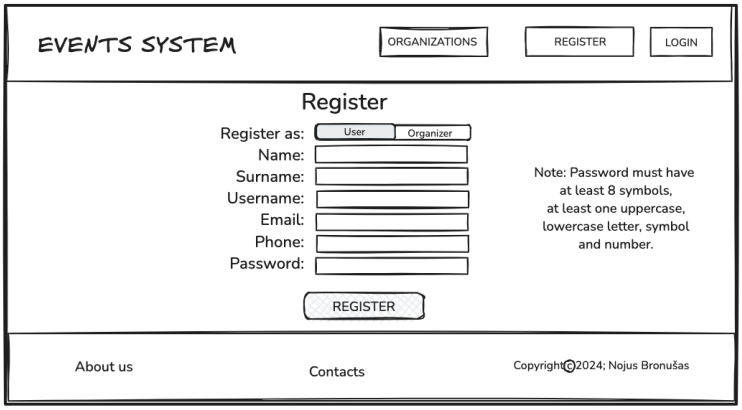
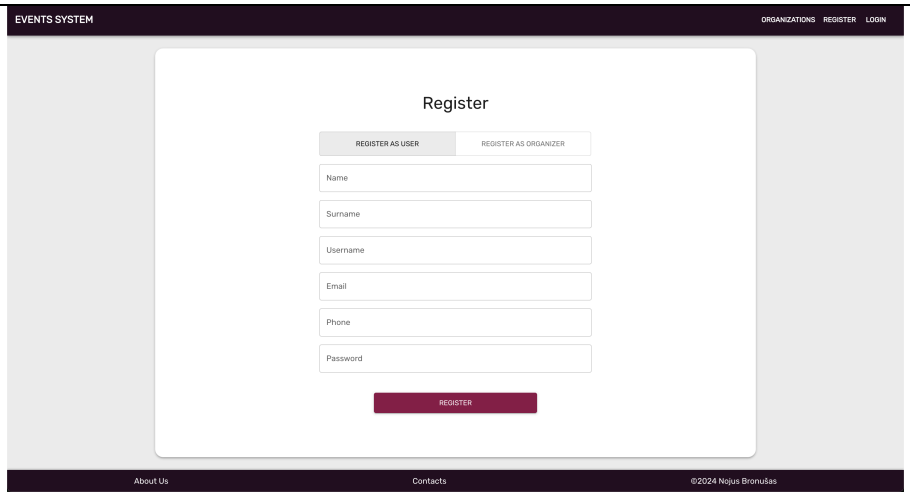
2. Sistemos architektūra (Diegimo diagrama)

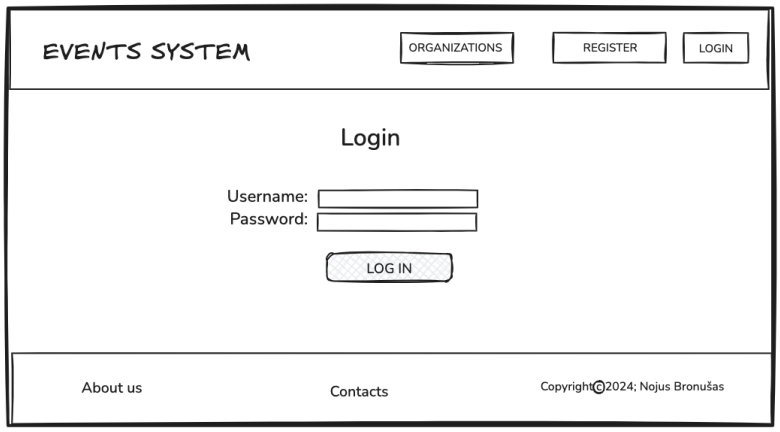
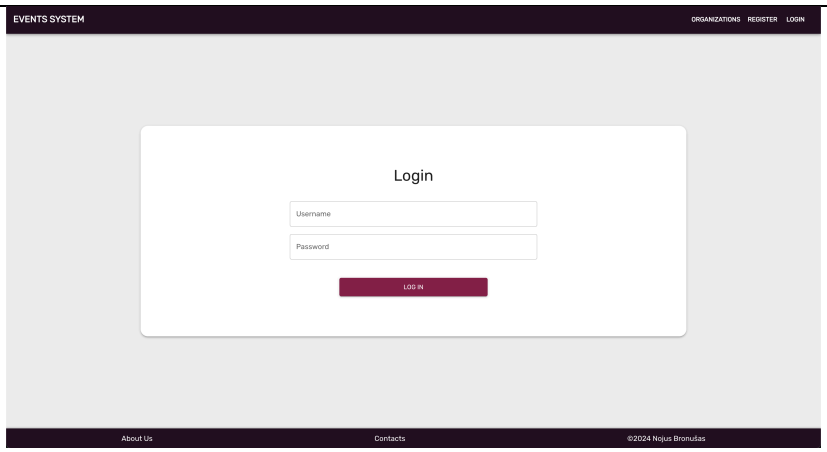


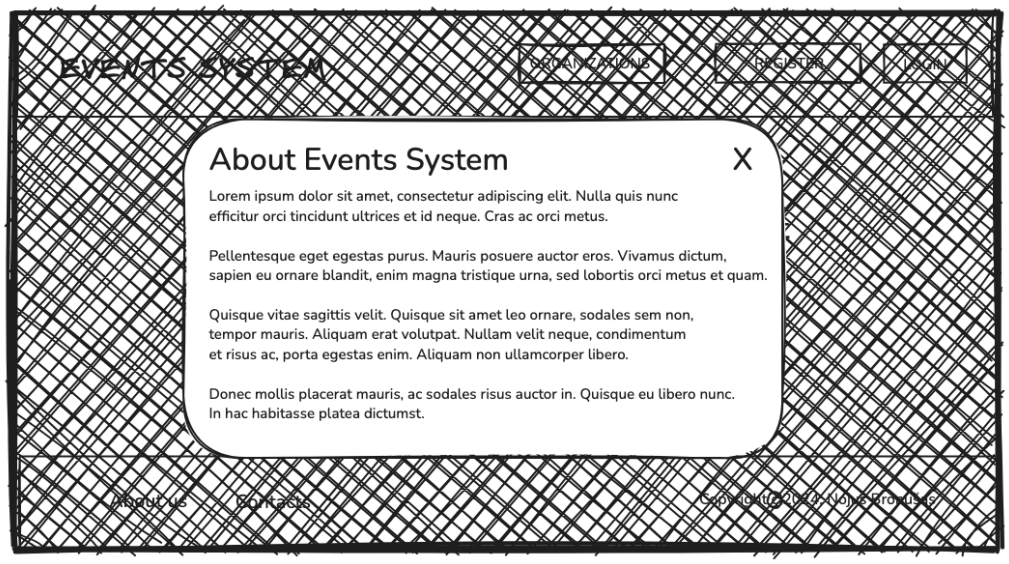
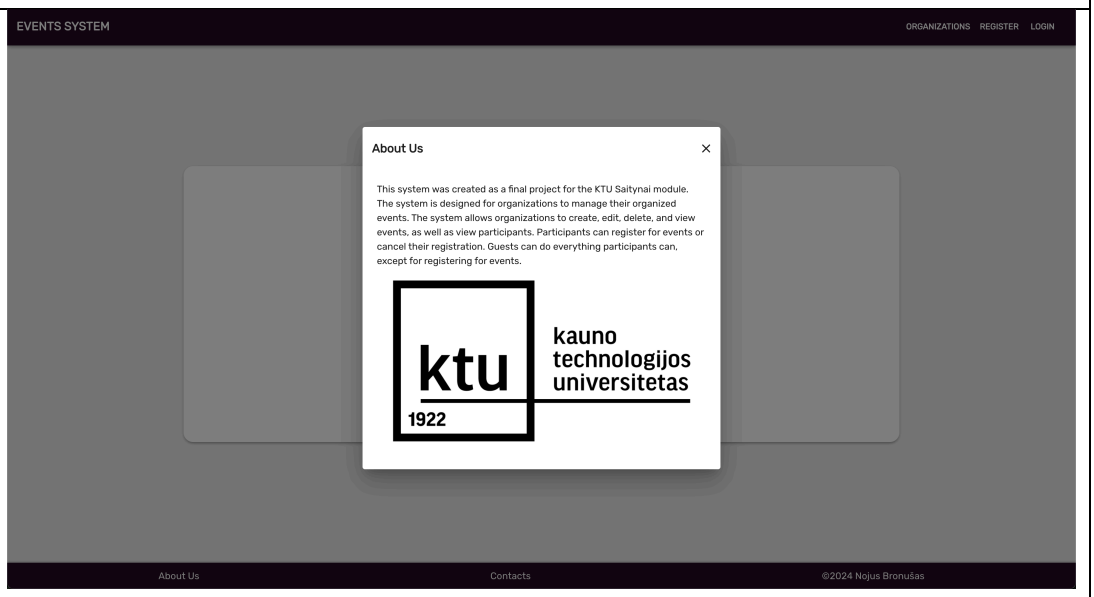
3. Naudotojo sąsaja

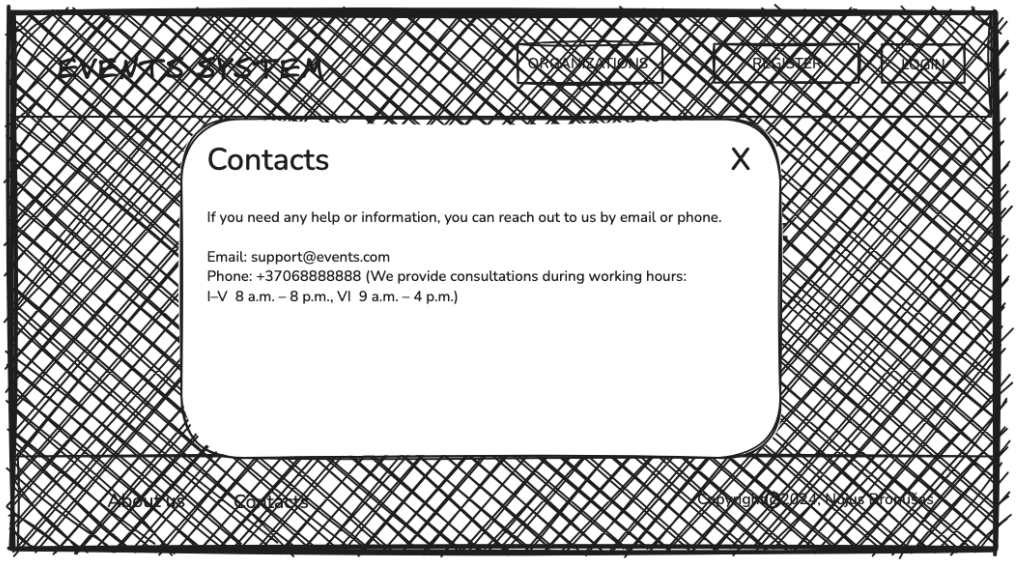
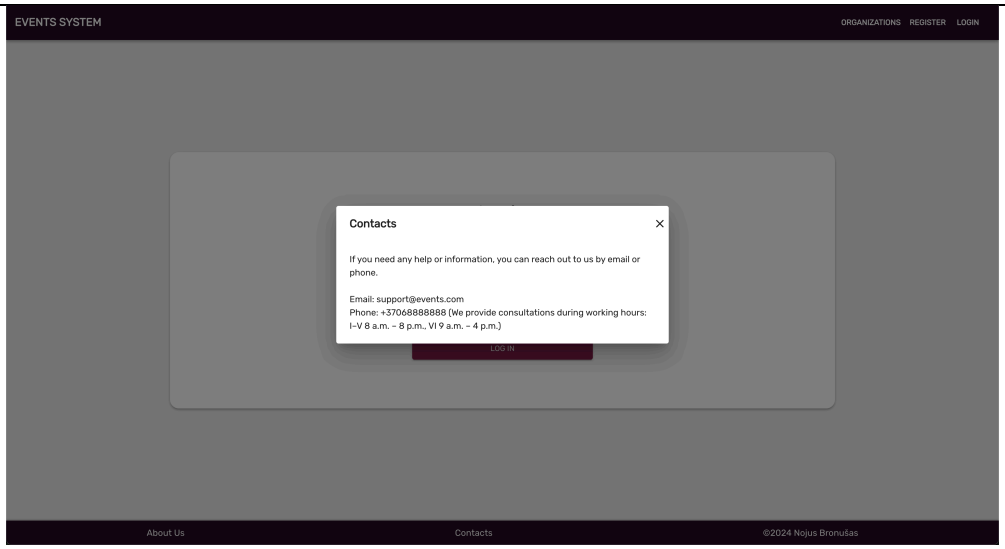
Aprašymas	Pradžios ekranas (svečiui)
Eskizas	
Naudotojo sąsaja	

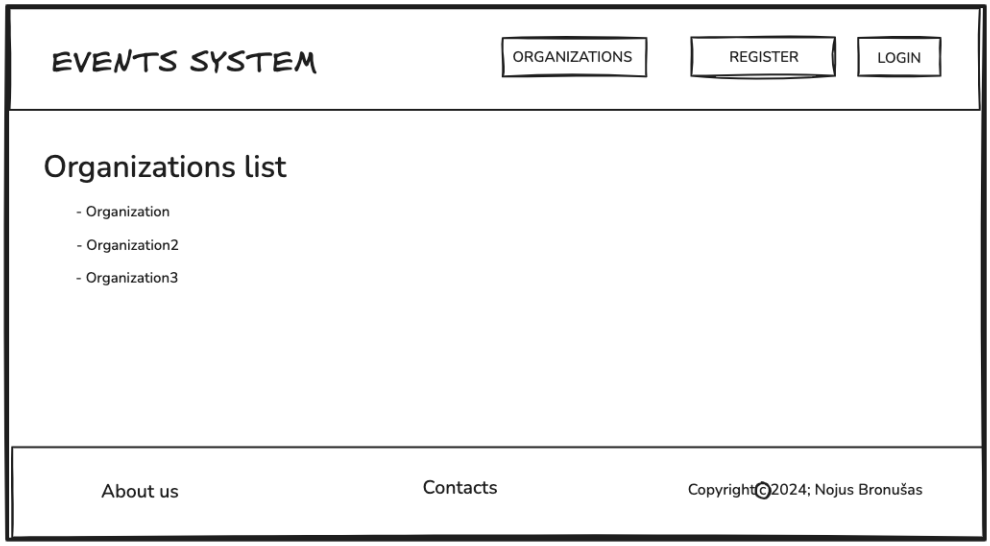
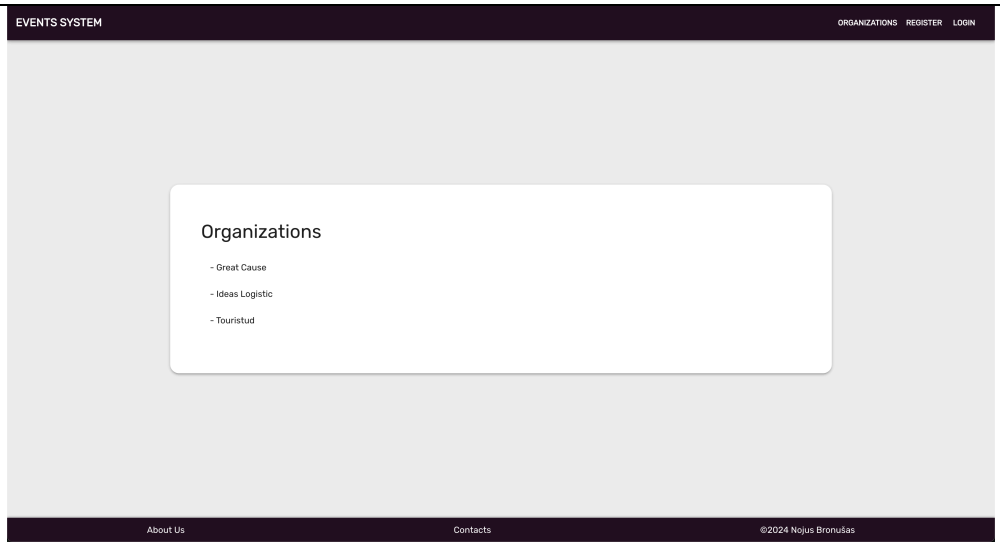
Aprašymas	Pradžios ekranas (naudotojui)
Eskizas	
Naudotojo sąsaja	

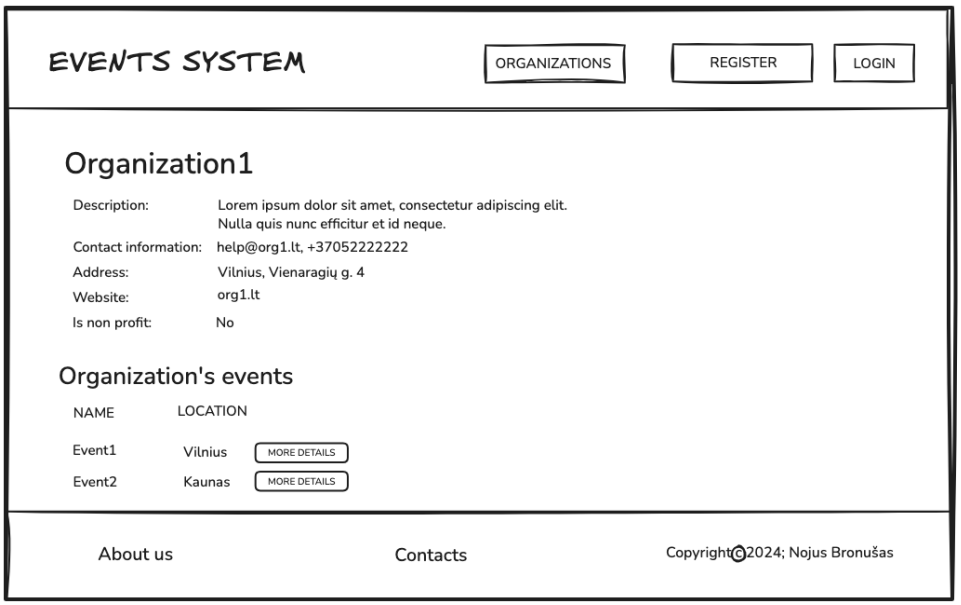
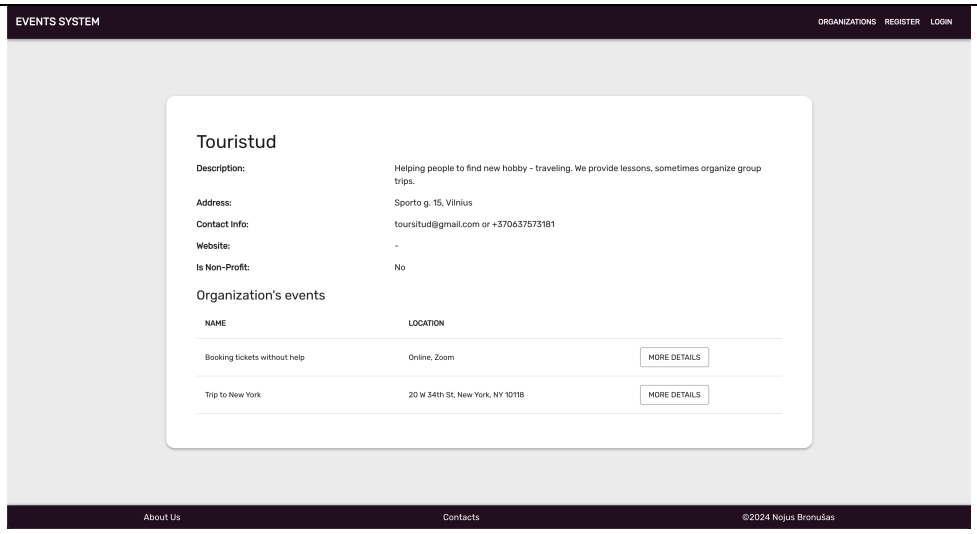
Aprašymas	Registracija
Eskizas	
Naudotojo sąsaja	

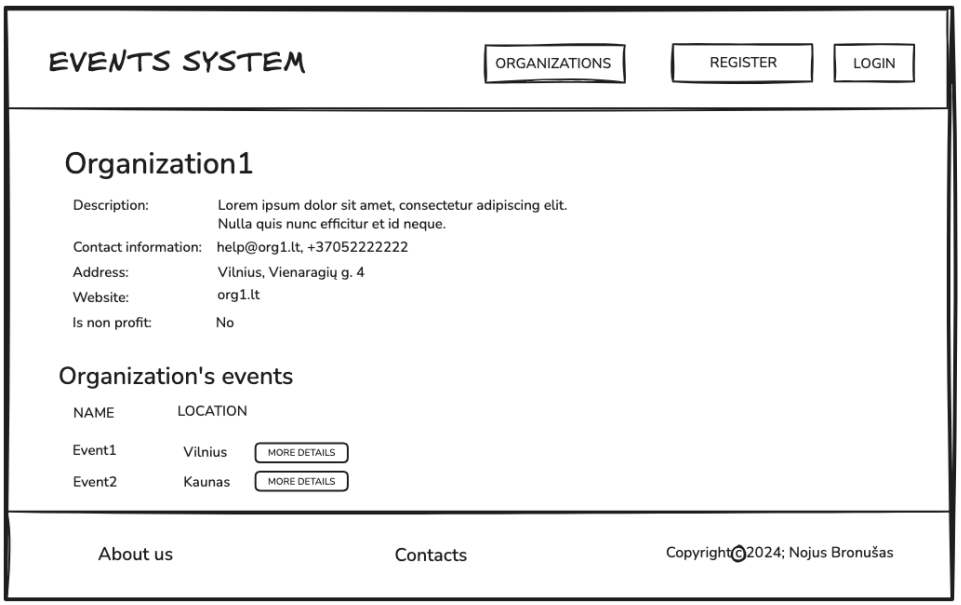
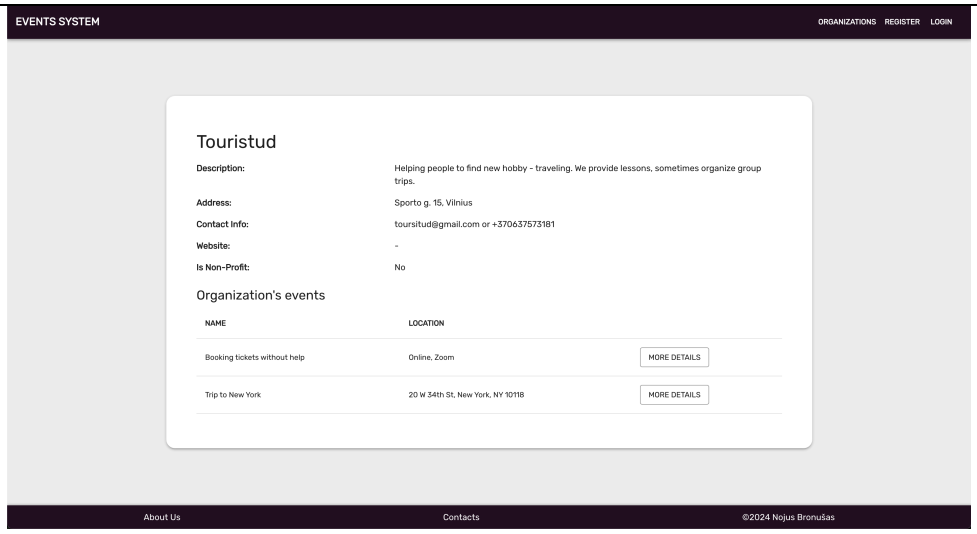
Aprašymas	Prisijungimas
Eskizas	
Naudotojo sąsaja	

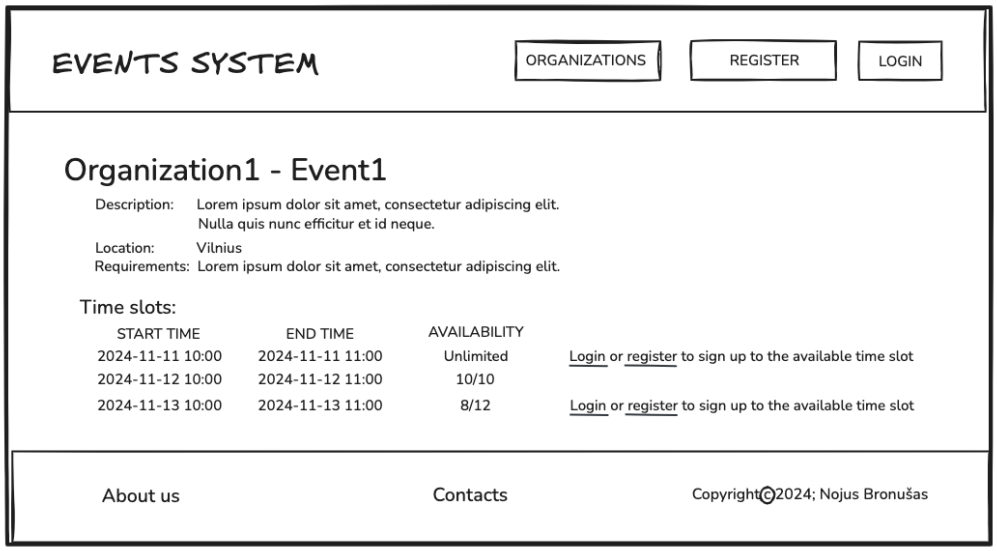
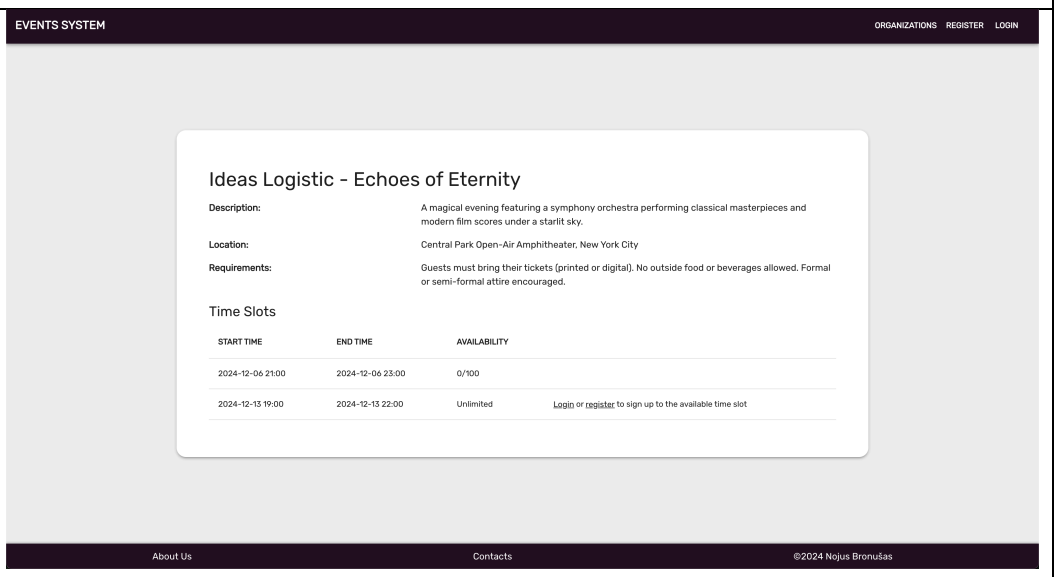
Aprašymas	Apie mus informacija
Eskizas	
Naudotojo sąsaja	

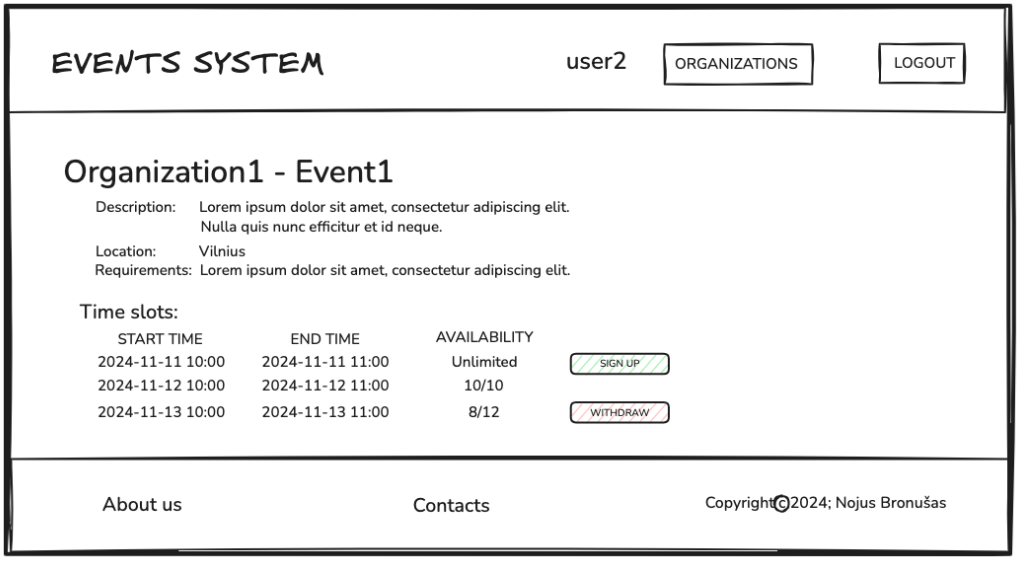
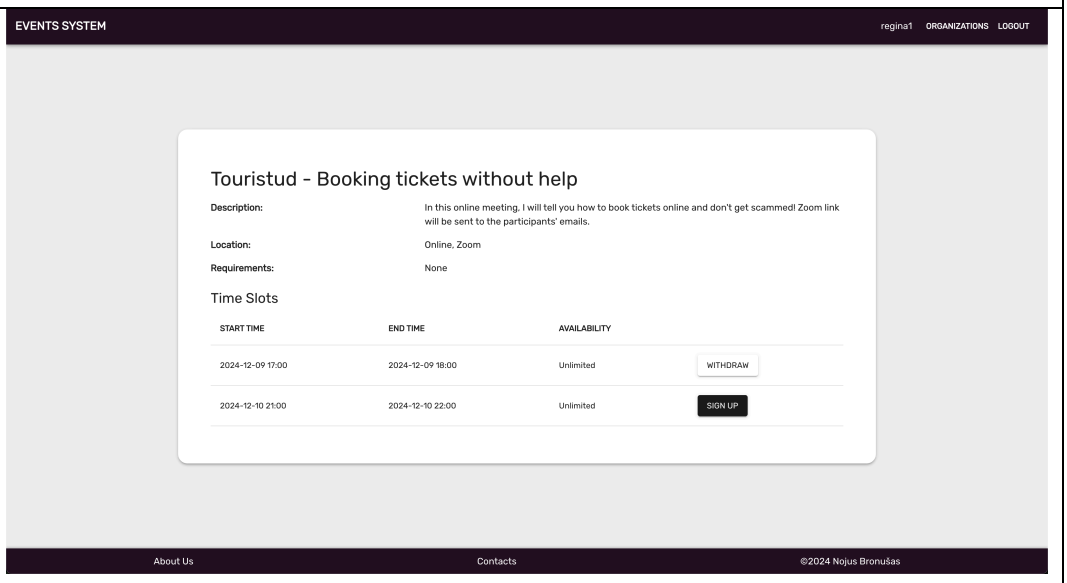
Aprašymas	Kontaktai
Eskizas	
Naudotojo sąsaja	

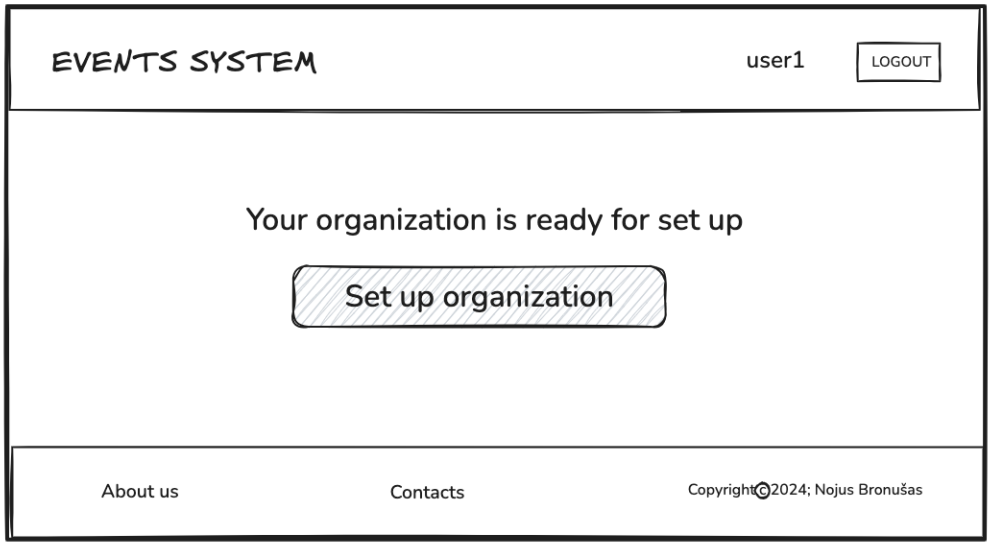
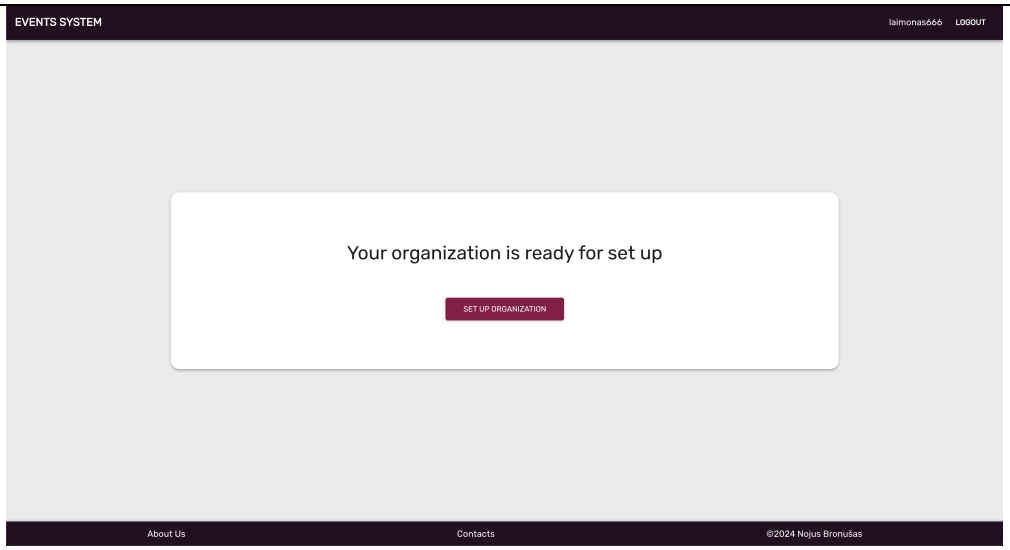
Aprašymas	Organizacijų sąrašas
Eskizas	
Naudotojo sąsaja	

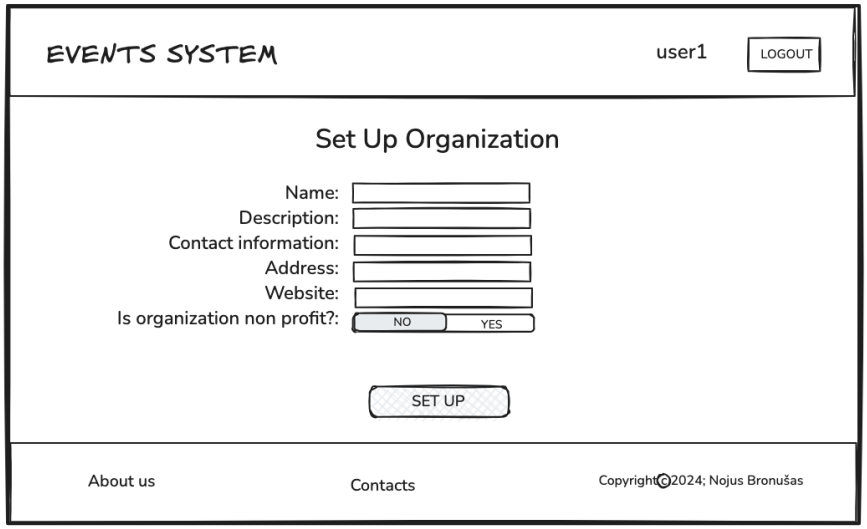
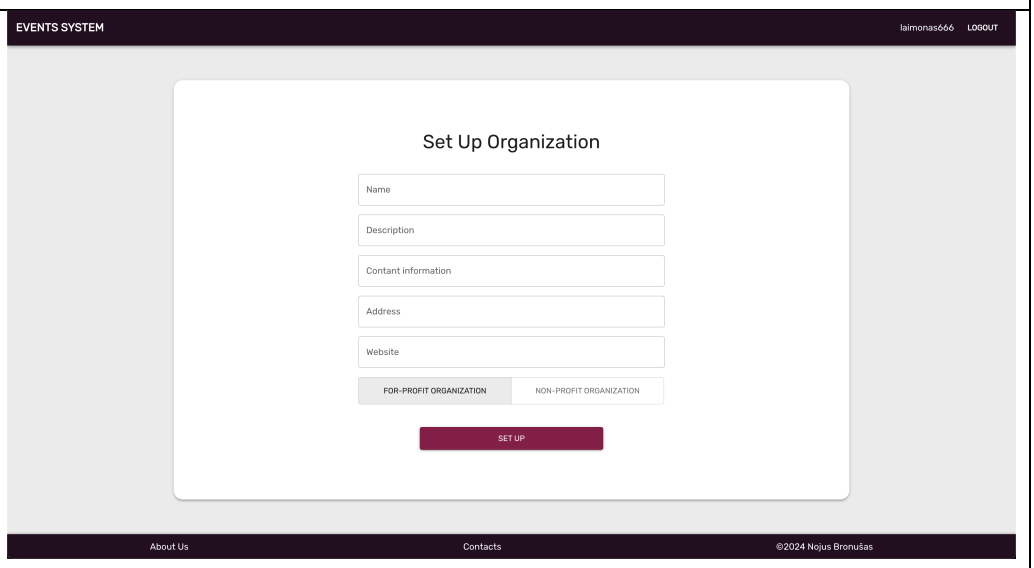
Aprašymas	Organizacijos informacija ir jos renginių sąrašas
Eskizas	
Naudotojo sąsaja	

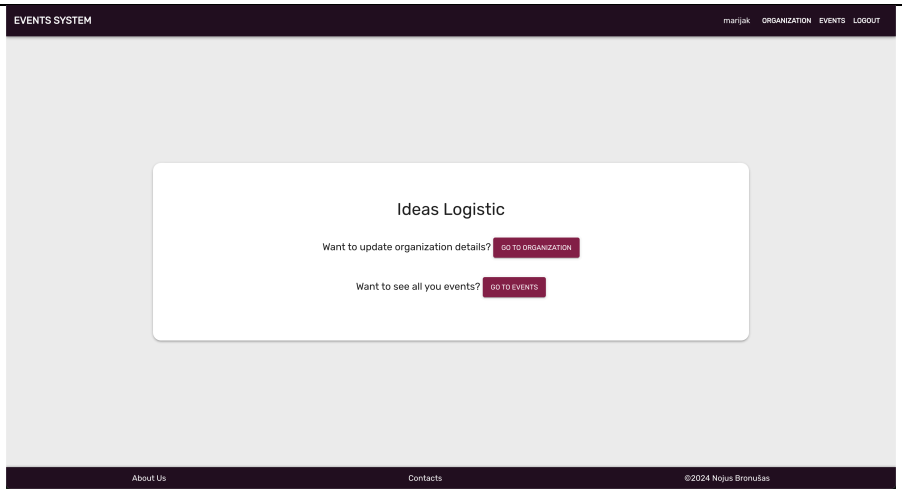
Aprašymas	Organizacijos informacija ir jos renginių sąrašas
Eskizas	
Naudotojo sąsaja	

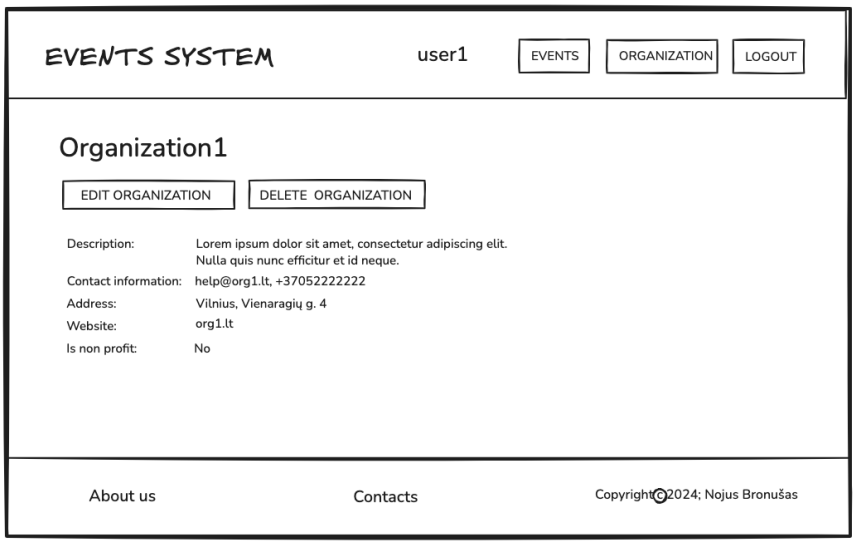
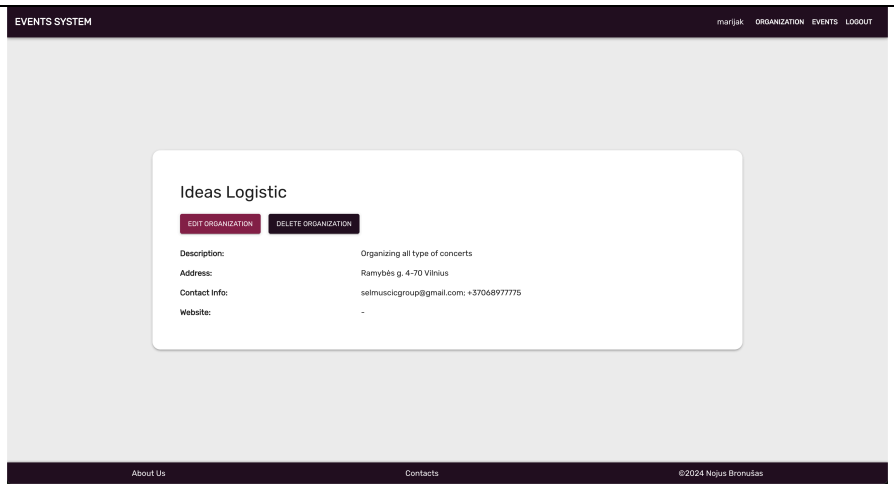
Aprašymas	Renginio informacija (svečiui)
Eskizas	
Naudotojo sąsaja	

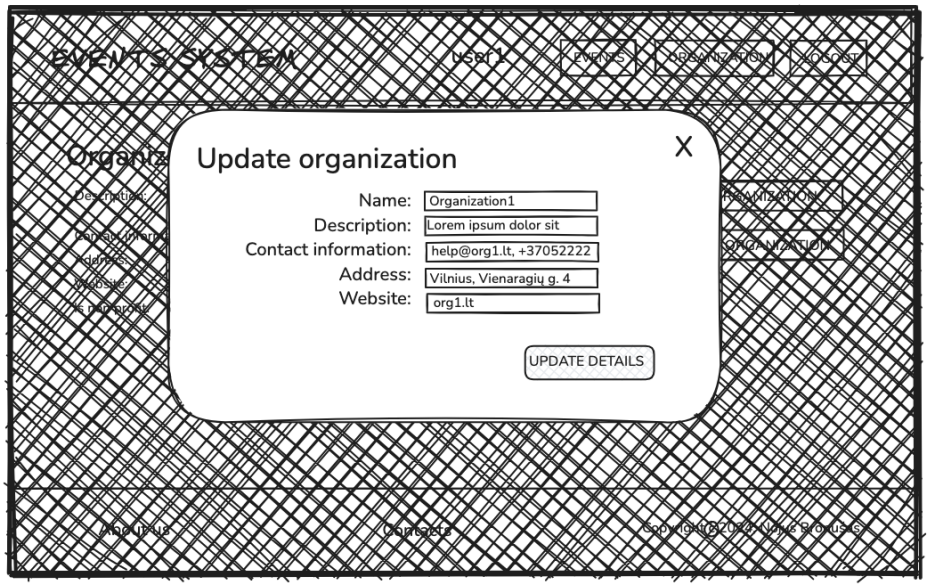
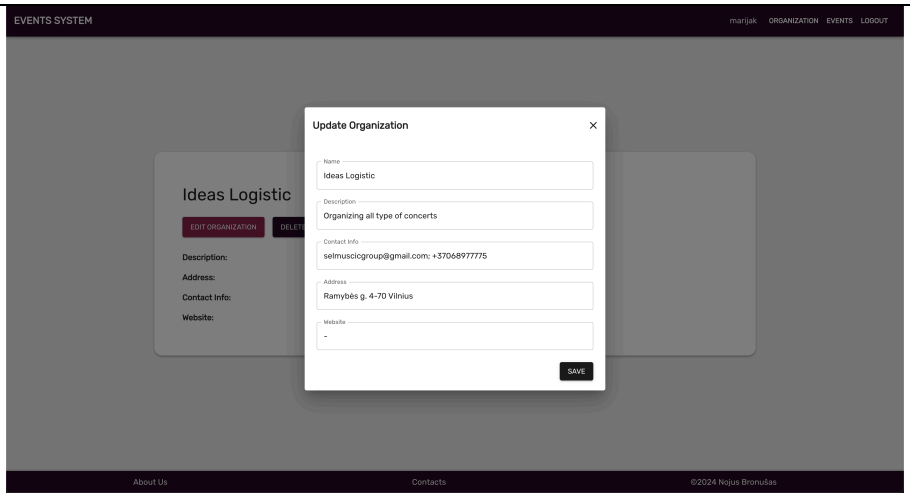
Aprašymas	Renginio informacija (naudotojui)
Eskizas	
Naudotojo sąsaja	

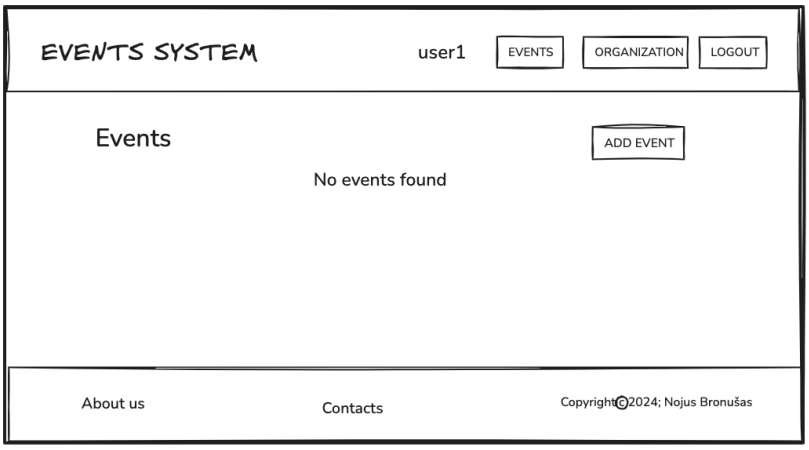
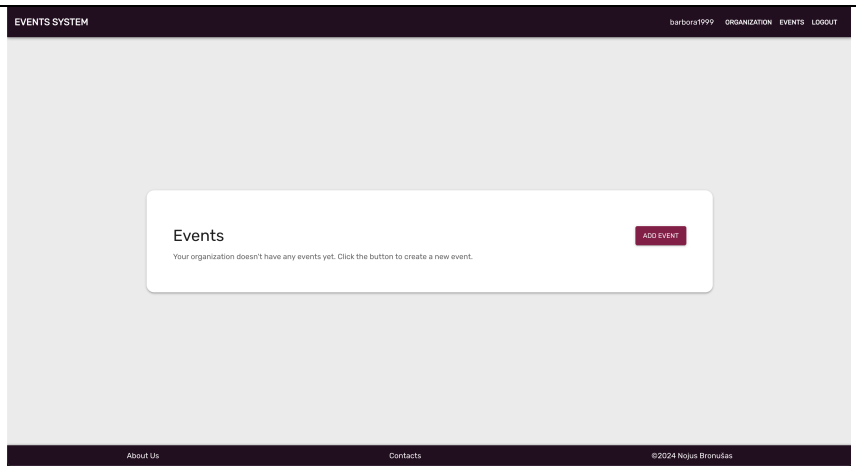
Aprašymas	Pradžios ekranas (organizatoriui, neturinčiam organizacijos)
Eskizas	
Naudotojo sąsaja	

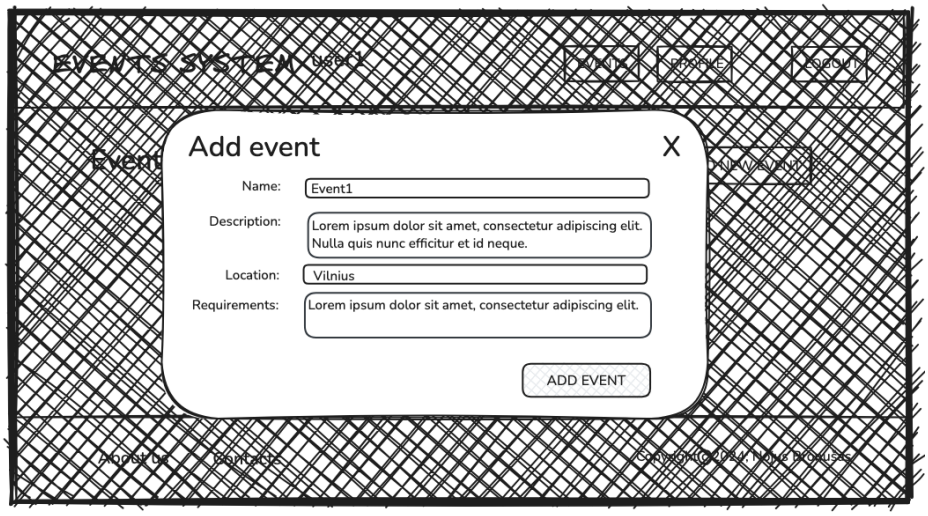
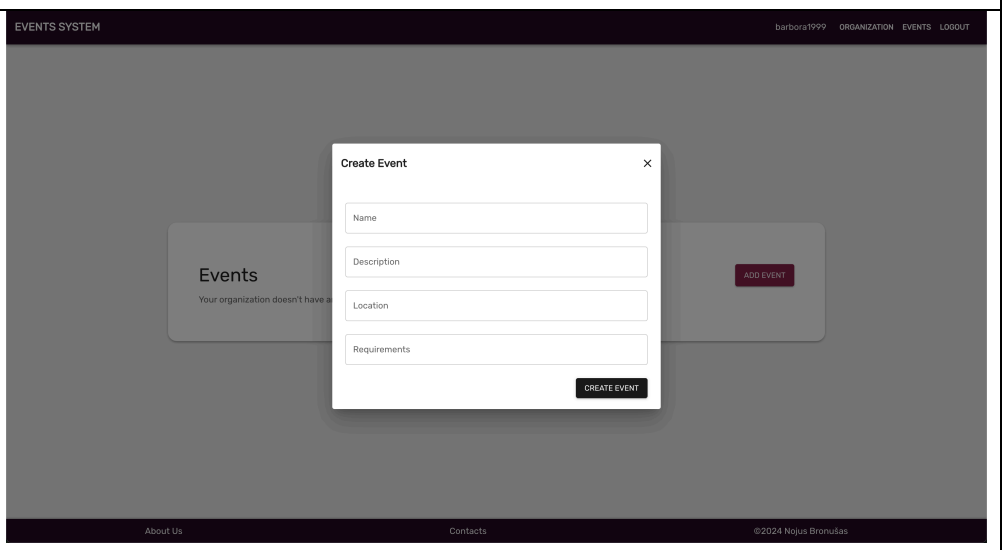
Aprašymas	Organizacijos kūrimas (organizatoriui, neturinčiam organizacijos)
Eskizas	
Naudotojo sąsaja	

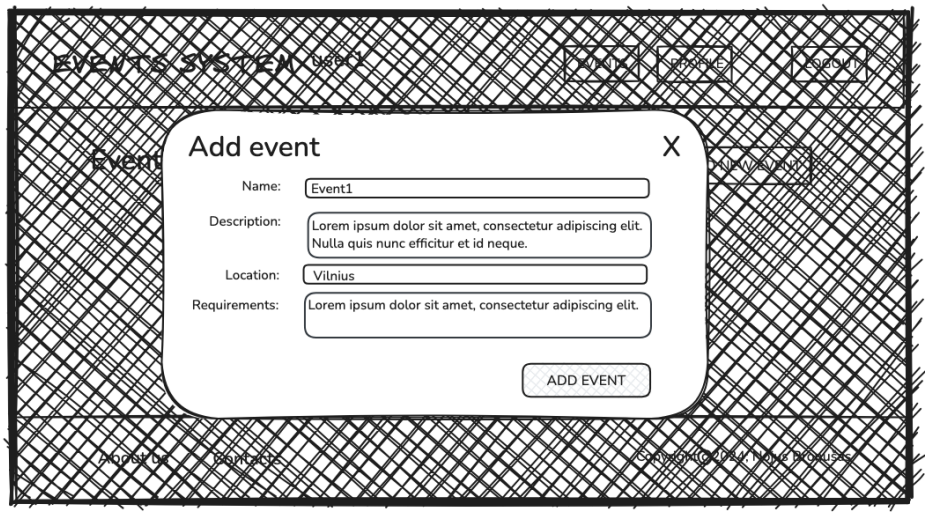
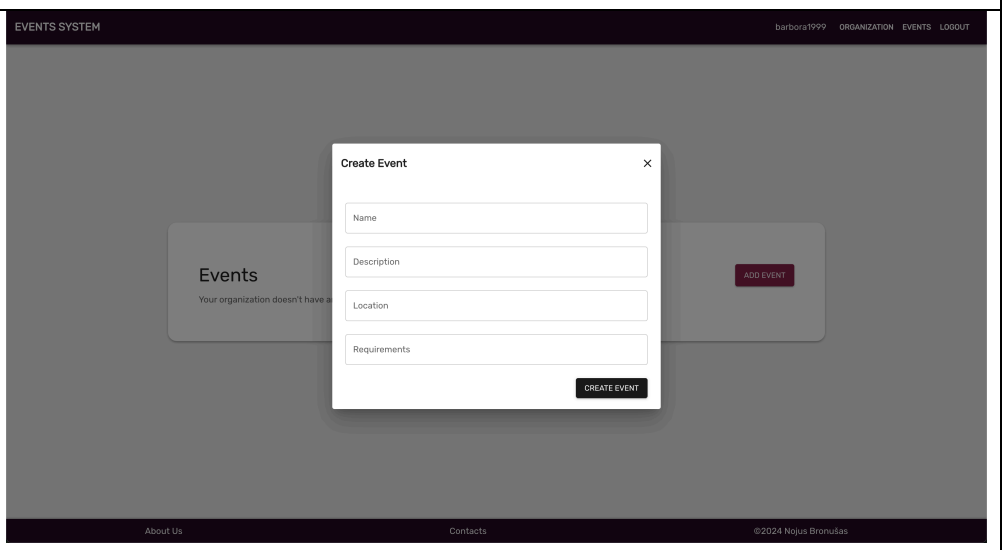
Aprašymas	Pradžios ekranas (organizatoriui, jau susikūrusiam organizaciją)
Eskizas	
Naudotojo sąsaja	

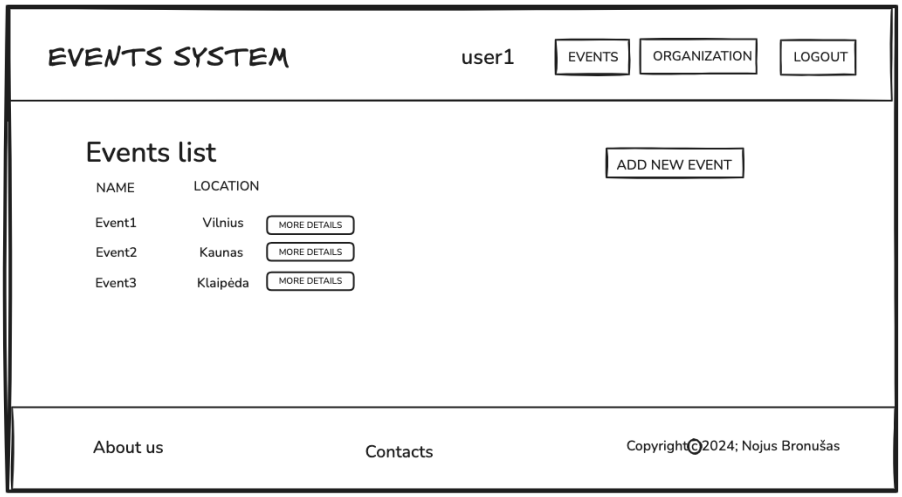
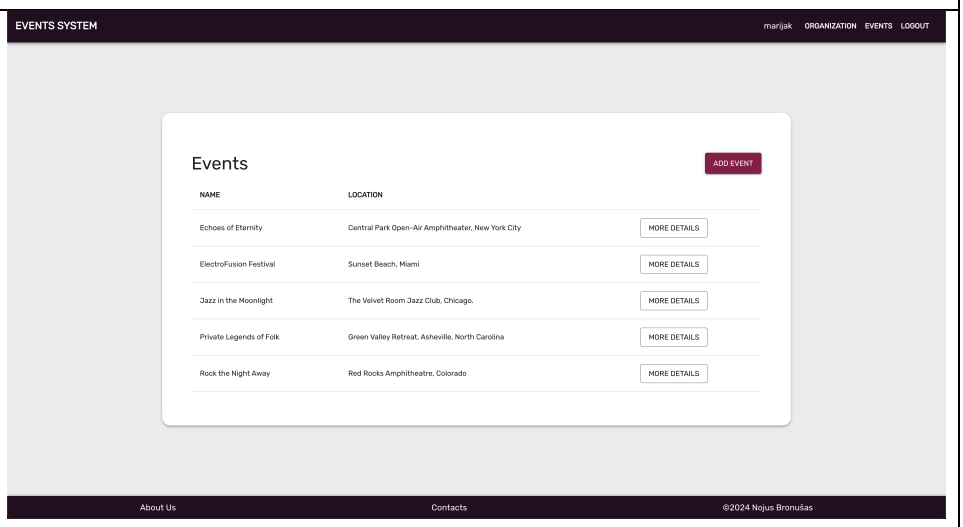
Aprašymas	Organizacijos valdymas
Eskizas	
Naudotojo sąsaja	

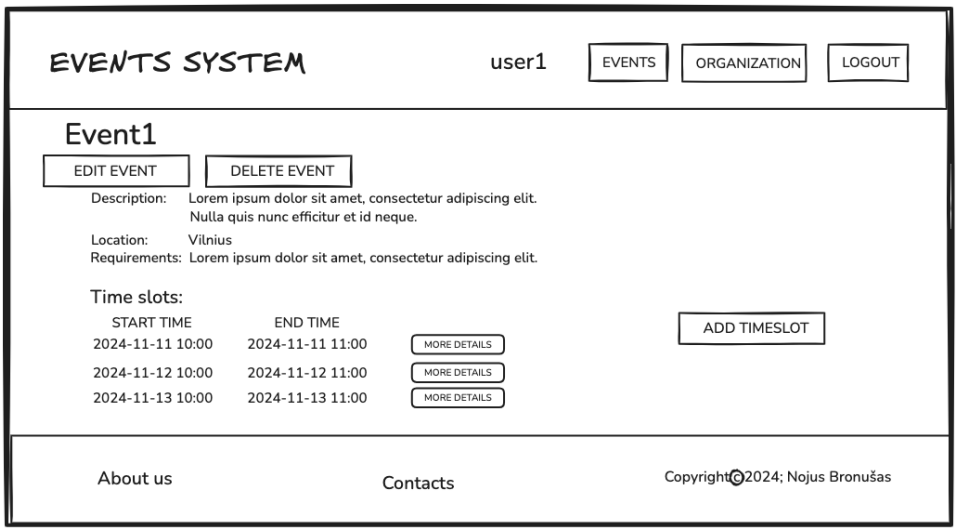
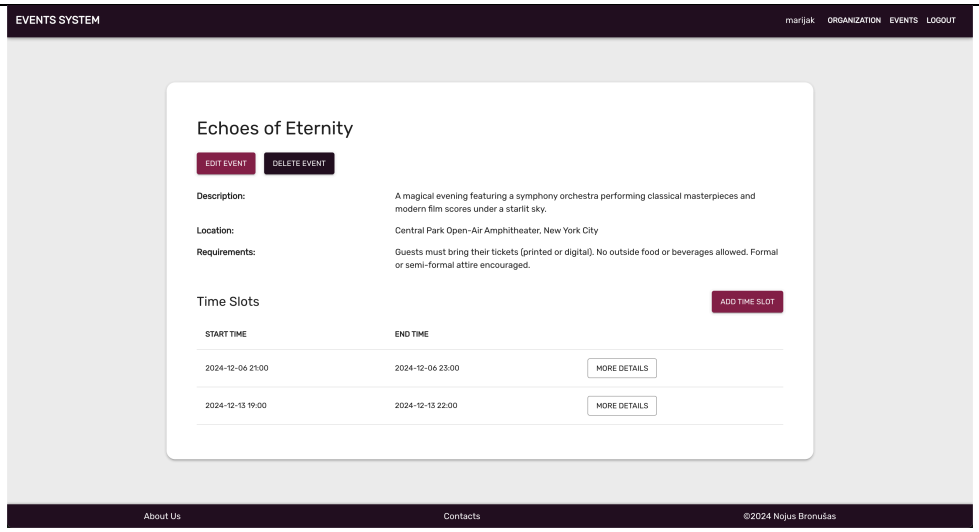
Aprašymas	Organizacijos informacijos atnaujinimas
Eskizas	
Naudotojo sąsaja	

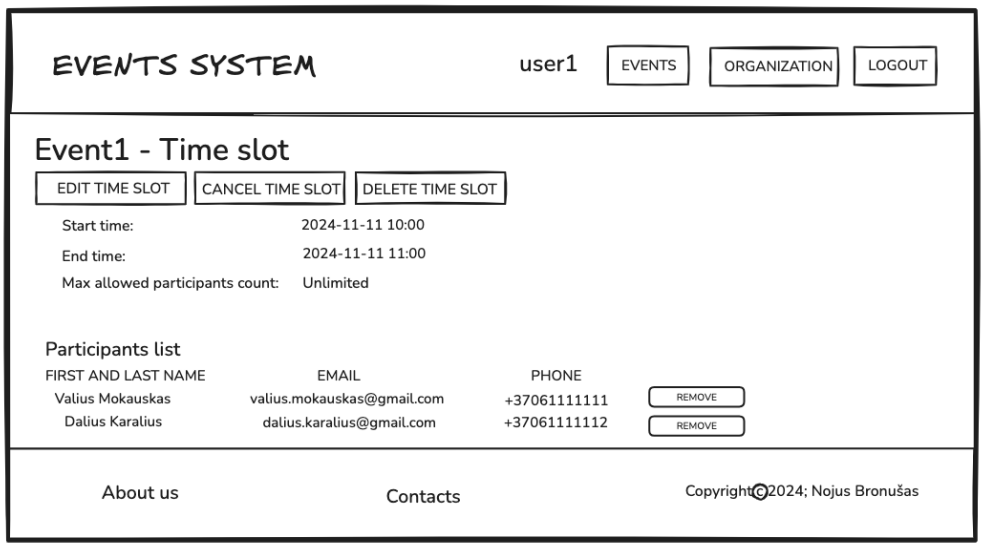
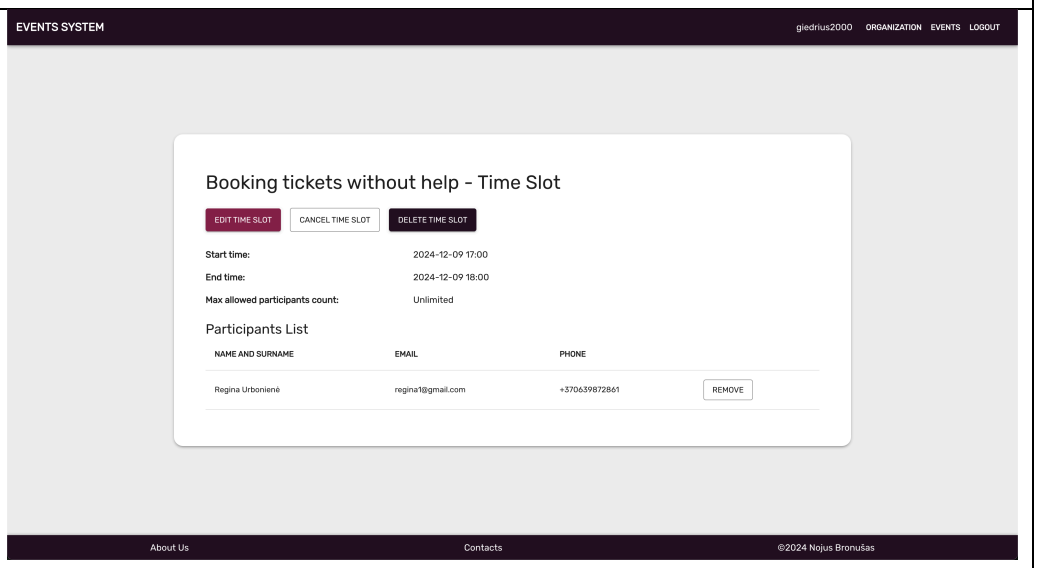
Aprašymas	Renginių sąrašas (organizatoriui)
Eskizas	
Naudotojo sąsaja	

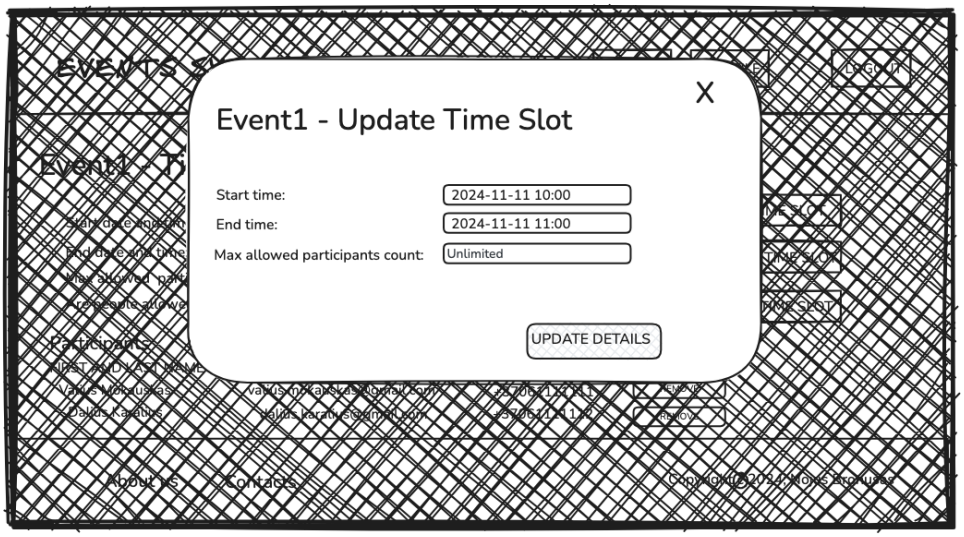
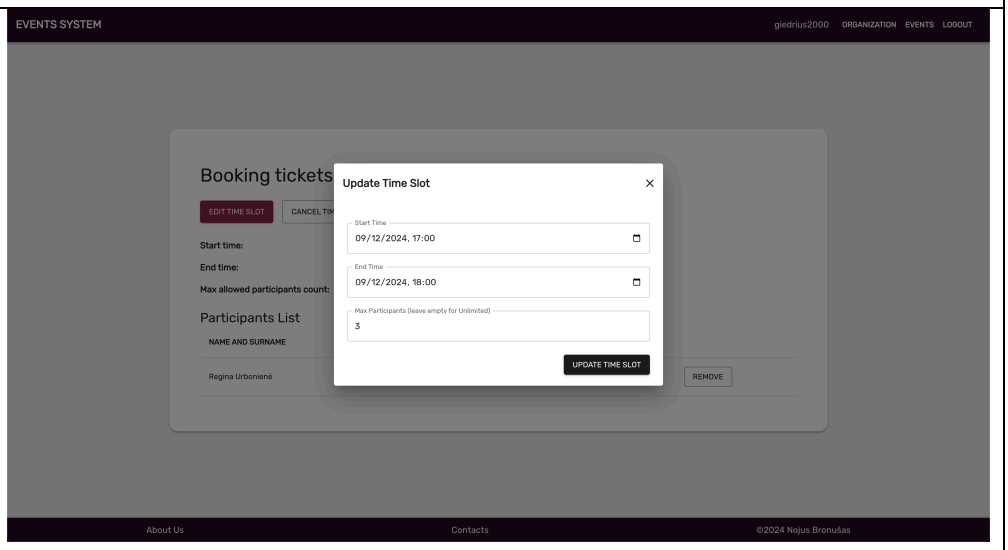
Aprašymas	Renginių sąrašas (tuščias, organizatoriui)
Eskizas	
Naudotojo sąsaja	

Aprašymas	Renginio pridėjimas
Eskizas	
Naudotojo sąsaja	

Aprašymas	Renginių sąrašas (pilnas, organizatoriui)
Eskizas	
Naudotojo sąsaja	

Aprašymas	Renginio valdymas
Eskizas	
Naudotojo sąsaja	

Aprašymas	Renginio laiko valdymas
Eskizas	
Naudotojo sąsaja	

Aprašymas	Renginio laiko atnaujinimas
Eskizas	
Naudotojo sąsaja	

4. API specifikacija

Bendra schema:

Swagger

Select a definition: Event managing API

Event managing API 1.0.0 OAS 3.0

https://nojus-saitynai-api.azurewebsites.net/swagger/swagger.json

It is an API for managing multiple organizations' events which can have multiple time slots.

Servers: https://nojus-saitynai-api.azurewebsites.net

Authorize

Event Operations related to events

- GET /api/v1/organizations/{organizationId}/events Get a list of organization's events
- POST /api/v1/organizations/{organizationId}/events Create an event
- GET /api/v1/organizations/{organizationId}/events/{eventId} Get event details
- PUT /api/v1/organizations/{organizationId}/events/{eventId} Update event details
- DELETE /api/v1/organizations/{organizationId}/events/{eventId} Delete an event

Organization Operations related to organizations

- GET /api/v1/organizations Get a list of all organizations
- POST /api/v1/organizations Create an organization
- GET /api/v1/organizations/{organizationId} Get organization details
- PUT /api/v1/organizations/{organizationId} Update organization details
- DELETE /api/v1/organizations/{organizationId} Delete an organization

TimeSlot Operations related to time slots

- GET /api/v1/organizations/{organizationId}/events/{eventId}/time-slots Get a list of event's time slots
- POST /api/v1/organizations/{organizationId}/events/{eventId}/time-slots Add new time slot to an event
- GET /api/v1/organizations/{organizationId}/events/{eventId}/time-slots/{timeSlotId} Get time slot details
- PUT /api/v1/organizations/{organizationId}/events/{eventId}/time-slots/{timeSlotId} Update time slot details
- DELETE /api/v1/organizations/{organizationId}/events/{eventId}/time-slots/{timeSlotId} Delete time slot

Auth

- POST /api/auth/register
- POST /api/auth/login
- POST /api/auth/refresh
- POST /api/auth/logout

Participants

- GET /api/v1/organizations/{organizationId}/events/{eventId}/time-slots/{timeSlotId}/participants
- POST /api/v1/organizations/{organizationId}/events/{eventId}/time-slots/{timeSlotId}/participants
- DELETE /api/v1/organizations/{organizationId}/events/{eventId}/time-slots/{timeSlotId}/participants/{participantId}

Renginių API detaliau:

Event Operations related to events

GET `/api/v1/organizations/{organizationId}/events` Get a list of organization's events

Parameters | Try it out

Name	Description
organizationId * required `integer($int32)` *(path)*	The unique identifier of the organization organizationId

Responses

Code	Description	Links
200	Event object response Media type application/json Controls `Accept` header. **Example Value** | Schema	*No links*
404	Resource was not found response Media type application/json **Example Value** | Schema	*No links*

```
[
  {
    "id": 1,
    "name": "Book club",
    "description": "Doing great things",
    "location": "Vingio parkas",
    "requirements": "Love to read books"
  }
]
```

```
{
  "status": 404,
  "message": "Not found",
  "errors": {
    "details": [
      "Organization not found"
    ]
  }
}
```

POST `/api/v1/organizations/{organizationId}/events` Create an event

Parameters | Try it out

Name	Description
organizationId * required `integer($int32)` *(path)*	The unique identifier of the organization organizationId

Request body — application/json

Example Value | Schema

```
{
  "name": "Book club",
  "description": "Doing great things",
  "location": "Vingio parkas",
  "requirements": "Love to read books"
}
```

Responses

Code	Description	Links
201	Event object response Media type: application/json Controls Accept header. **Example Value** | Schema	*No links*

```
{
  "id": 1,
  "name": "Book club",
  "description": "Doing great things",
  "location": "Vingio parkas",
  "requirements": "Love to read books"
}
```

400	Bad request response Media type: application/json **Example Value** | Schema	*No links*

```
{
  "status": 400,
  "message": "Invalid Request Data",
  "errors": {
    "$": [
      "The JSON value could not be converted to saitynai_backend.Mediator.Commands.Organizations.CreateOrganizationCommand. Path: $ | LineNumber: 1 | BytePositionInLi
ne: 8."
    ]
  }
}
```

404	Resource was not found response Media type: application/json **Example Value** | Schema	*No links*

```
{
  "status": 404,
  "message": "Not found",
  "errors": {
    "details": [
      "Organization not found"
    ]
  }
}
```

409	Conflict with the current state of a resource response Media type: application/json **Example Value** | Schema	*No links*

```
{
  "status": 409,
  "message": "Conflict",
  "errors": {
    "details": [
      "Event with this name already exists"
    ]
  }
}
```

422	Unprocessable entity response Media type: application/json **Example Value** | Schema	*No links*

```
{
  "status": 422,
  "message": "Unprocessable Entity",
  "errors": {
    "Name": [
      "'Name' must not be empty."
    ]
  }
}
```

GET /api/v1/organizations/{organizationId}/events/{eventId} Get event details

Parameters

Try it out

Name	Description
organizationId * required integer($int32) *(path)*	The unique identifier of the organization organizationId
eventId * required integer($int32) *(path)*	The unique identifier of the event eventId

Responses

Code	Description	Links
200	Event object response Media type application/json Controls Accept header. **Example Value** | Schema	*No links*
404	Resource was not found response Media type application/json **Example Value** | Schema	*No links*

```
{
  "id": 1,
  "name": "Book club",
  "description": "Doing great things",
  "location": "Vingio parkas",
  "requirements": "Love to read books"
}
```

```
{
  "status": 404,
  "message": "Not found",
  "errors": {
    "details": [
      "Organization not found"
    ]
  }
}
```

PUT `/api/v1/organizations/{organizationId}/events/{eventId}` Update event details

Parameters — Try it out

Name	Description
organizationId * required `integer($int32)` *(path)*	The unique identifier of the organization organizationId
eventId * required `integer($int32)` *(path)*	The unique identifier of the event eventId

Request body — application/json

Example Value | Schema

```
{
  "name": "Book club",
  "description": "Doing great things",
  "location": "Vingio parkas",
  "requirements": "Love to read books"
}
```

Responses

Code	Description	Links
200	Event object response	*No links*

Media type: application/json

Controls Accept header.

Example Value | Schema

```
{
  "id": 1,
  "name": "Book club",
  "description": "Doing great things",
  "location": "Vingio parkas",
  "requirements": "Love to read books"
}
```

400	Bad request response	*No links*

Media type: application/json

Example Value | Schema

```
{
  "status": 400,
  "message": "Invalid Request Data",
  "errors": {
    "$": [
      "The JSON value could not be converted to saitynai_backend.Mediator.Commands.Organizations.CreateOrganizationCommand. Path: $ | LineNumber: 1 | BytePositionInLi
ne: 8."
    ]
  }
}
```

404	Resource was not found response	*No links*

Media type: application/json

Example Value | Schema

```
{
  "status": 404,
  "message": "Not found",
  "errors": {
    "details": [
      "Organization not found"
    ]
  }
}
```

409	Conflict with the current state of a resource response	*No links*

Media type: application/json

Example Value | Schema

```
{
  "status": 409,
  "message": "Conflict",
  "errors": {
    "details": [
      "Event with this name already exists"
    ]
  }
}
```

422	Unprocessable entity response	*No links*

Media type: application/json

Example Value | Schema

```
{
  "status": 422,
  "message": "Unprocessable Entity",
  "errors": {
    "Name": [
      "'Name' must not be empty."
    ]
  }
}
```

DELETE `/api/v1/organizations/{organizationId}/events/{eventId}` Delete an event

Parameters | Try it out

Name	Description
organizationId * required `integer($int32)` *(path)*	The unique identifier of the organization organizationId
eventId * required `integer($int32)` *(path)*	The unique identifier of the event eventId

Responses

Code	Description	Links
204	Resource deleted	*No links*
404	Resource was not found response Media type application/json **Example Value** | Schema	*No links*
409	Conflict with the current state of a resource response Media type application/json **Example Value** | Schema	*No links*

```
{
  "status": 404,
  "message": "Not found",
  "errors": {
    "details": [
      "Organization not found"
    ]
  }
}
```

```
{
  "status": 409,
  "message": "Conflict",
  "errors": {
    "details": [
      "Cannot delete event with active time slots"
    ]
  }
}
```

Organizacijos API detaliau:

GET /api/v1/organizations Get a list of all organizations

Parameters

Cancel

No parameters

Execute | Clear

Responses

Curl

```
curl -X 'GET' \
  'https://nojus-saitynai-api.azurewebsites.net/api/v1/organizations' \
  -H 'accept: application/json'
```

Request URL

```
https://nojus-saitynai-api.azurewebsites.net/api/v1/organizations
```

Server response

Code	Details
200	Response body


```
{
  "organizations": [
    {
      "id": 4,
      "name": "Great Cause",
      "description": "Something good for everyone in the world",
      "contactInfo": "good@cause.com; +225500000",
      "address": "Good sam, st 5, UK",
      "website": "cause.com",
      "isNonProfit": true
    },
    {
      "id": 5,
      "name": "Ideas Logistic",
      "description": "Organizing all type of concerts",
      "contactInfo": "selmuscicgroup@gmail.com; +37068977775",
      "address": "Ramybės g. 4-70 Vilnius",
      "website": "-",
      "isNonProfit": false
    },
    {
      "id": 2,
      "name": "ORGANIZACIJA",
      "description": "<string>",
```


Download

Response headers

```
content-type: application/json; charset=utf-8
date: Fri,06 Dec 2024 19:09:53 GMT
server: Kestrel
transfer-encoding: chunked
```

Responses

Code	Description	Links
200	A list of organizations	*No links*

Media type

application/json

Controls Accept header.

Example Value | Schema


```
[
  {
    "id": 1,
    "name": "UAB WoW",
    "description": "Doing great things",
    "contactInfo": "info@wow.lt",
    "address": "Pasilaites g. 5, Vilnius",
    "website": "wow.lt",
    "isNonProfit": false
  }
]
```

POST /api/v1/organizations Create an organization

Parameters

Try it out

No parameters

Request body

application/json

Example Value | Schema

```
{
  "name": "UAB WoW",
  "description": "Doing great things",
  "contactInfo": "info@wow.lt",
  "address": "Pasilaites g. 5, Vilnius",
  "website": "wow.lt",
  "isNonProfit": false
}
```

Responses

Code	Description	Links
201	Organization object response	No links

Media type

application/json

Controls Accept header.

Example Value | Schema

```
{
  "id": 1,
  "name": "UAB WoW",
  "description": "Doing great things",
  "contactInfo": "info@wow.lt",
  "address": "Pasilaites g. 5, Vilnius",
  "website": "wow.lt",
  "isNonProfit": false
}
```

400	Bad request response	No links

Media type

application/json

Example Value | Schema

```
{
  "status": 400,
  "message": "Invalid Request Data",
  "errors": {
    "$": [
      "The JSON value could not be converted to saitynai_backend.Mediator.Commands.Organizations.CreateOrganizationCommand. Path: $ | LineNumber: 1 | BytePositionInLi
ne: 8."
    ]
  }
}
```

409	Conflict with the current state of a resource response	No links

Media type

application/json

Example Value | Schema

```
{
  "status": 409,
  "message": "Conflict",
  "errors": {
    "details": [
      "Organization with this name already exists"
    ]
  }
}
```

422	Unprocessable entity response	No links

Media type

application/json

Example Value | Schema

```
{
  "status": 422,
  "message": "Unprocessable Entity",
  "errors": {
    "Name": [
      "'Name' must not be empty."
    ]
  }
}
```

GET /api/v1/organizations/{organizationId} Get organization details

Parameters

Try it out

Name	Description
organizationId * required integer($int32) (path)	The unique identifier of the organization organizationId

Responses

Code	Description	Links
200	Organization object response Media type application/json Controls Accept header. Example Value | Schema	No links
404	Resource was not found response Media type application/json Example Value | Schema	No links

```
{
  "id": 1,
  "name": "UAB WoW",
  "description": "Doing great things",
  "contactInfo": "info@wow.lt",
  "address": "Pasilaites g. 5, Vilnius",
  "website": "wow.lt",
  "isNonProfit": false
}
```

```
{
  "status": 404,
  "message": "Not found",
  "errors": {
    "details": [
      "Organization not found"
    ]
  }
}
```

PUT /api/v1/organizations/{organizationId} Update organization details

Parameters | Try it out

Name	Description
organizationId * required integer($int32) (path)	The unique identifier of the organization organizationId

Request body — application/json

Example Value | Schema

```
{
  "name": "UAB WoW",
  "description": "Doing great things",
  "contactInfo": "info@wow.lt",
  "address": "Pasilaites g. 5, Vilnius",
  "website": "wow.lt"
}
```

Responses

Code	Description	Links
200	Organization object response Media type: application/json Controls Accept header. Example Value | Schema	No links

```
{
  "id": 1,
  "name": "UAB WoW",
  "description": "Doing great things",
  "contactInfo": "info@wow.lt",
  "address": "Pasilaites g. 5, Vilnius",
  "website": "wow.lt",
  "isNonProfit": false
}
```

400	Bad request response Media type: application/json Example Value | Schema	No links

```
{
  "status": 400,
  "message": "Invalid Request Data",
  "errors": {
    "$": [
      "The JSON value could not be converted to saitynai_backend.Mediator.Commands.Organizations.CreateOrganizationCommand. Path: $ | LineNumber: 1 | BytePositionInLi
ne: 8."
    ]
  }
}
```

404	Resource was not found response Media type: application/json Example Value | Schema	No links

```
{
  "status": 404,
  "message": "Not found",
  "errors": {
    "details": [
      "Organization not found"
    ]
  }
}
```

409	Conflict with the current state of a resource response Media type: application/json Example Value | Schema	No links

```
{
  "status": 409,
  "message": "Conflict",
  "errors": {
    "details": [
      "Organization with this name already exists"
    ]
  }
}
```

422	Unprocessable entity response Media type: application/json Example Value | Schema	No links

```
{
  "status": 422,
  "message": "Unprocessable Entity",
  "errors": {
    "Name": [
      "'Name' must not be empty."
    ]
  }
}
```

DELETE `/api/v1/organizations/{organizationId}` Delete an organization

Parameters | Try it out

Name	Description
organizationId * required `integer($int32)` *(path)*	The unique identifier of the organization organizationId

Responses

Code	Description	Links
204	Resource deleted	*No links*
404	Resource was not found response Media type application/json **Example Value** | Schema	*No links*

```
{
  "status": 404,
  "message": "Not found",
  "errors": {
    "details": [
      "Organization not found"
    ]
  }
}
```

409	Conflict with the current state of a resource response Media type application/json **Example Value** | Schema	*No links*

```
{
  "status": 409,
  "message": "Conflict",
  "errors": {
    "details": [
      "Cannot delete organization with active time slots"
    ]
  }
}
```

Renginio laikų API detaliau:

GET /api/v1/organizations/{organizationId}/events/{eventId}/time-slots Get a list of event's time slots

Parameters

Try it out

Name	Description
organizationId * required integer($int32) (path)	The unique identifier of the organization organizationId
eventId * required integer($int32) (path)	The unique identifier of the event eventId

Responses

Code	Description	Links
200	Time slot object response Media type application/json Controls Accept header. Example Value | Schema	No links
404	Resource was not found response Media type application/json Example Value | Schema	No links

```
[
  {
    "id": 1,
    "startTime": "2024-10-20T10:00:00Z",
    "endTime": "2024-10-20T12:00:00Z",
    "maxParticipants": 30,
    "participantsCount": 40,
    "isCancelled": false
  }
]
```

```
{
  "status": 404,
  "message": "Not found",
  "errors": {
    "details": [
      "Organization not found"
    ]
  }
}
```

POST `/api/v1/organizations/{organizationId}/events/{eventId}/time-slots` Add new time slot to an event

Parameters | Try it out

Name	Description
organizationId * required integer($int32) *(path)*	The unique identifier of the organization organizationId
eventId * required integer($int32) *(path)*	The unique identifier of the event eventId

Request body — application/json

Example Value | Schema

```
{
  "startTime": "2024-10-20T10:00:00Z",
  "endTime": "2024-10-20T12:00:00Z",
  "maxParticipants": 30,
  "participantsCount": 40
}
```

Responses

Code	Description	Links
201	Time slot object response Media type: application/json Controls Accept header. Example Value | Schema	*No links*

```
{
  "id": 1,
  "startTime": "2024-10-20T10:00:00Z",
  "endTime": "2024-10-20T12:00:00Z",
  "isCancelled": false,
  "maxParticipants": 30,
  "participantsCount": 40
}
```

400	Bad request response Media type: application/json	*No links*

Example Value | Schema

```
{
  "status": 400,
  "message": "Invalid Request Data",
  "errors": {
    "$": [
      "The JSON value could not be converted to saitynai_backend.Mediator.Commands.Organizations.CreateOrganizationCommand. Path: $ | LineNumber: 1 | BytePositionInLi
ne: 8."
    ]
  }
}
```

404	Resource was not found response Media type: application/json	*No links*

Example Value | Schema

```
{
  "status": 404,
  "message": "Not found",
  "errors": {
    "details": [
      "Organization not found"
    ]
  }
}
```

409	Conflict with the current state of a resource response Media type: application/json	*No links*

Example Value | Schema

```
{
  "status": 409,
  "message": "Conflict",
  "errors": {
    "details": [
      "Time slot interferes with other timeslots"
    ]
  }
}
```

422	Unprocessable entity response Media type: application/json	*No links*

Example Value | Schema

```
{
  "status": 422,
  "message": "Unprocessable Entity",
  "errors": {
    "Name": [
      "'Name' must not be empty."
    ]
  }
}
```

GET /api/v1/organizations/{organizationId}/events/{eventId}/time-slots/{timeSlotId} Get time slot details

Parameters

Try it out

Name	Description
organizationId * required integer($int32) (path)	The unique identifier of the organization organizationId
eventId * required integer($int32) (path)	The unique identifier of the event eventId
timeSlotId * required integer($int32) (path)	The unique identifier of the time slot timeSlotId

Responses

Code	Description	Links
200	Time slot object response Media type application/json Controls Accept header. Example Value | Schema	No links
404	Resource was not found response Media type application/json Example Value | Schema	No links

```
{
  "id": 1,
  "startTime": "2024-10-20T10:00:00Z",
  "endTime": "2024-10-20T12:00:00Z",
  "isCancelled": false,
  "maxParticipants": 30,
  "participantsCount": 40
}
```

```
{
  "status": 404,
  "message": "Not found",
  "errors": {
    "details": [
      "Organization not found"
```

PUT /api/v1/organizations/{organizationId}/events/{eventId}/time-slots/{timeSlotId} Update time slot details

Parameters

Try it out

Name	Description
organizationId * required integer($int32) (path)	The unique identifier of the organization organizationId
eventId * required integer($int32) (path)	The unique identifier of the event eventId
timeSlotId * required integer($int32) (path)	The unique identifier of the time slot timeSlotId

Request body

application/json

Example Value | Schema

```
{
  "startTime": "2024-10-20T10:00:00Z",
  "endTime": "2024-10-20T12:00:00Z",
  "maxParticipants": 30,
  "participantsCount": 40,
  "isCancelled": false
}
```

Responses

Code	Description	Links
200	Time slot object response Media type application/json Controls Accept header. Example Value | Schema	No links

```
{
  "id": 1,
  "startTime": "2024-10-20T10:00:00Z",
  "endTime": "2024-10-20T12:00:00Z",
  "isCancelled": false,
  "maxParticipants": 30,
  "participantsCount": 40
```

Example Value | Schema

```
{
  "status": 400,
  "message": "Invalid Request Data",
  "errors": {
    "$": [
      "The JSON value could not be converted to saitynai_backend.Mediator.Commands.Organizations.CreateOrganizationCommand. Path: $ | LineNumber: 1 | BytePositionInLi
ne: 8."
    ]
  }
}
```

404	Resource was not found response Media type application/json Example Value | Schema	No links

```
{
  "status": 404,
  "message": "Not found",
  "errors": {
    "details": [
      "Organization not found"
    ]
  }
}
```

409	Conflict with the current state of a resource response Media type application/json Example Value | Schema	No links

```
{
  "status": 409,
  "message": "Conflict",
  "errors": {
    "details": [
      "Time slot interferes with other timeslots"
    ]
  }
}
```

422	Unprocessable entity response Media type application/json Example Value | Schema	No links

```
{
  "status": 422,
  "message": "Unprocessable Entity",
  "errors": {
    "Name": [
      "'Name' must not be empty."
    ]
  }
}
```

DELETE `/api/v1/organizations/{organizationId}/events/{eventId}/time-slots/{timeSlotId}` Delete time slot

Parameters | Try it out

Name	Description
organizationId * required `integer($int32)` *(path)*	The unique identifier of the organization organizationId
eventId * required `integer($int32)` *(path)*	The unique identifier of the event eventId
timeSlotId * required `integer($int32)` *(path)*	The unique identifier of the time slot timeSlotId

Responses

Code	Description	Links
204	Resource deleted	*No links*
404	Resource was not found response Media type application/json **Example Value** | Schema	*No links*

```
{
  "status": 404,
  "message": "Not found",
  "errors": {
    "details": [
      "Organization not found"
    ]
  }
}
```

Autorizacijos/autentifikacijos API detaliau:

POST `/api/auth/register`

Parameters | Try it out

No parameters

Request body | application/json

Example Value | Schema

```
{
  "name": "string",
  "surname": "string",
  "userName": "string",
  "email": "string",
  "phoneNumber": "string",
  "password": "string",
  "role": "User"
}
```

Responses

Code	Description	Links
200	Success	*No links*

POST `/api/auth/login`

Parameters | Try it out

No parameters

Request body | application/json

Example Value | Schema

```
{
  "userName": "string",
  "password": "string"
}
```

Responses

Code	Description	Links
200	Success	*No links*

POST `/api/auth/refresh`

Parameters | Try it out

No parameters

Responses

Code	Description	Links
200	Success	*No links*

POST `/api/auth/logout`

Parameters | Try it out

No parameters

Responses

Code	Description	Links
200	Success	*No links*

Dalyvių API detaliau:

GET /api/v1/organizations/{organizationId}/events/{eventId}/time-slots/{timeSlotId}/participants

Parameters | Try it out

Name	Description
organizationId * required integer($int32) (path)	organizationId
eventId * required integer($int32) (path)	eventId
timeSlotId * required integer($int32) (path)	timeSlotId

Responses

Code	Description	Links
200	Success	No links

POST /api/v1/organizations/{organizationId}/events/{eventId}/time-slots/{timeSlotId}/participants

Parameters | Try it out

Name	Description
organizationId * required integer($int32) (path)	organizationId
eventId * required integer($int32) (path)	eventId
timeSlotId * required integer($int32) (path)	timeSlotId

DELETE /api/v1/organizations/{organizationId}/events/{eventId}/time-slots/{timeSlotId}/participants/{participantId}

Parameters | Try it out

Name	Description
organizationId * required integer($int32) (path)	organizationId
eventId * required integer($int32) (path)	eventId
timeSlotId * required integer($int32) (path)	timeSlotId
participantId * required string (path)	participantId

Responses

Code	Description	Links
200	Success	No links

Išvados

1. Įgytos gilesnės žinios apie JWT autentifikaciją ir autorizaciją: suprasti ne tik tai, kad šių technologijų reikia, bet ir jų parametrų reikšmę bei pritaikymo galimybes. Taip pat išnagrinėtas slapukų (cookies) naudojimas ir jų apsauga nuo redagavimo, naudojant HTTP nustatymus.
2. Vientiso dizaino užtikrinimas keičiantis naršyklės lango dydžiui: naudojant jau sukurtus viešai prieinamus komponentus, pavyzdžiui, MUI, buvo paprasčiau pritaikyti aplikaciją tiek mažos, tiek didelės rezoliucijos ekranui.
3. Debesijos paslaugų talpinimas: ankstesniuose moduliuose įgytos žinios ir eksperimentavimas padėjo atrasti naujus būdus patalpinti aplikaciją serveryje.
4. OpenAPI specifikacijos kūrimas: dokumentacijos paruošimas padeda tiek kūrėjui, tiek kitiems geriau suprasti, kaip veikia sukurti sistemos komponentai.