

## Sport Booking

The goal of the project is to provide a convenient way to select and reserve sport platform. The system allows to create, update and delete temporary reservation, pay it and cancel if need, view list of reservations, search reservations by title.

### Roles

Role	Description
User	<ul style="list-style-type: none"><li>• Create a reservation</li><li>• Update reservation</li><li>• Delete reservation</li><li>• Payment</li><li>• Cancel reservation</li><li>• View information about sport fields</li><li>• View reserved time of sport field</li><li>• View list of reservations</li><li>• Search reservations</li><li>• Manage account</li><li>• Log out</li></ul>
Admin	<ul style="list-style-type: none"><li>• Add new sport field</li><li>• Edit sport field</li><li>• Delete sport field</li><li>• View sport fields</li><li>• Manage account</li></ul>
Guest	<ul style="list-style-type: none"><li>• Register in a system</li><li>• Log in</li><li>• View information about sport fields</li><li>• View reserved time of sport field</li></ul>

## Reserve Management System

No	Role	Use case	Description	Action name	Tests
1.	User	Create a reservation	Create a reservation of sport field for particular time: hours or days	PostReservation	CreateReservation_Test
2.		Update a reservation	Edit the time of reservations and title of reservation	UpdateReservation	UpdateReservation_Test
3.		Delete a reservation	Delete a reservation of sport field	DeleteReservation	DeleteReservation_Test
4.		Payment	Pay a reservation of sport field	PayReservation	
5.		Cancel reservation	Cancel a reservation of sport field and get money back	CancelReservation	CancelReservation_Test
6.		View list of reservations	View reservation number, sport field, reservation name, total sum, address, start and end time of reservation	GetSportFieldReservations	GetReservation_Test
7.		Search reservations	Search reservations by title	GetSportFieldReservationByTitleAsync	GetReservationByTitle_Test
8.		Manage account	Edit personal information, change password, delete an account	EditProfile ChangePassword DeleteProfile	
9.	User / Guest	View information about sport field	View time schedule of sport field, description, address and pay for an hour	SportFieldWithDetail	
10.		View reserved time of sport field	View reserved time of particular sport field	GetSportFieldReservations	GetReservation_Test

## Admin Management System

1.	Admin	Add new sport field	Create new sport field and add information about it	PostSportField	CreateSportField_Test
2.		Edit sport field	Edit information about sport field: time schedule, description, address and pay for an hour	UpdateSportField	UpdateSportField_Test
3.		Delete sport field	Delete sport field and all information about it	DeleteSportField	DeleteSportField_Test
4.		View sport fields	View all sport fields and information	SportField WithDetail	GetSportField_Test
5.		Manage account	Edit personal information, change password, delete an account	EditProfile ChangePassword DeleteProfile	

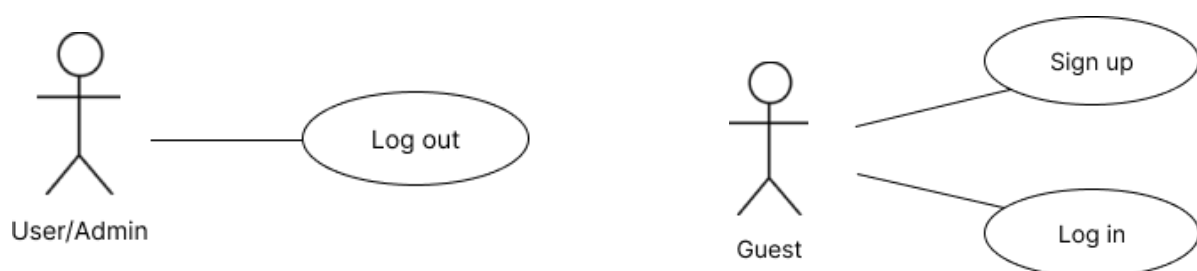
## Account Management System

No	Role	Use case	Description	Action name
1.	User/Admin	Log out	Log out of a system	Logout
2.	Guest	Sign up	Sign up in a system	Register ConfirmEmail RegisterSuccess
3.		Log in	Log in to a system	Login ForgotPassword ResetPassword

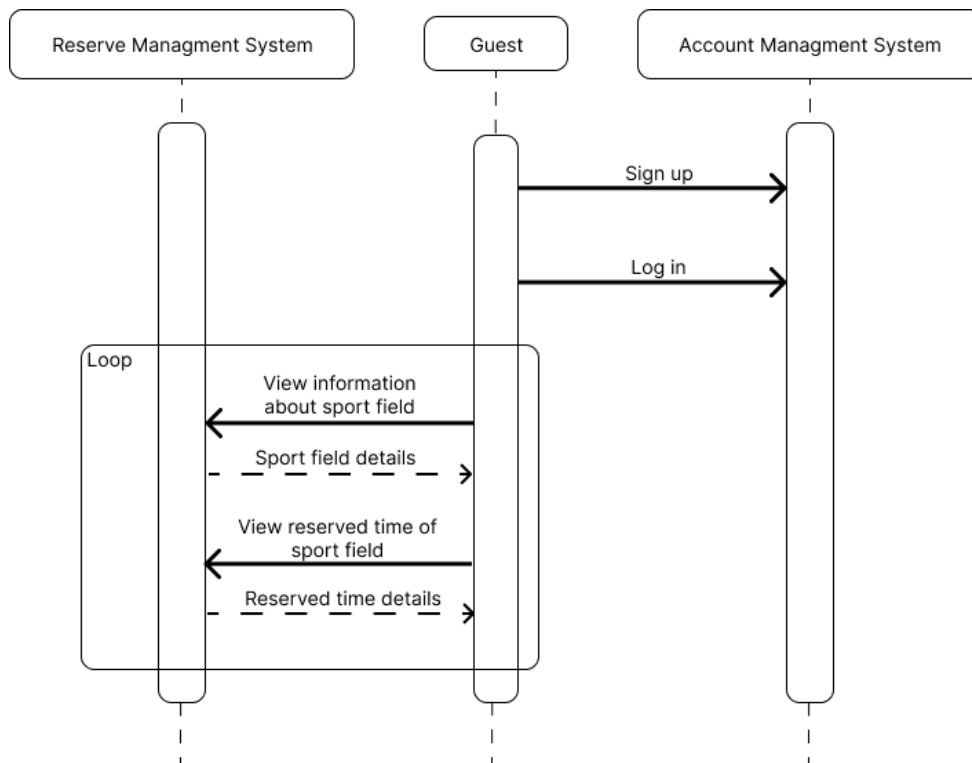
### Use case diagram for reserve management system:



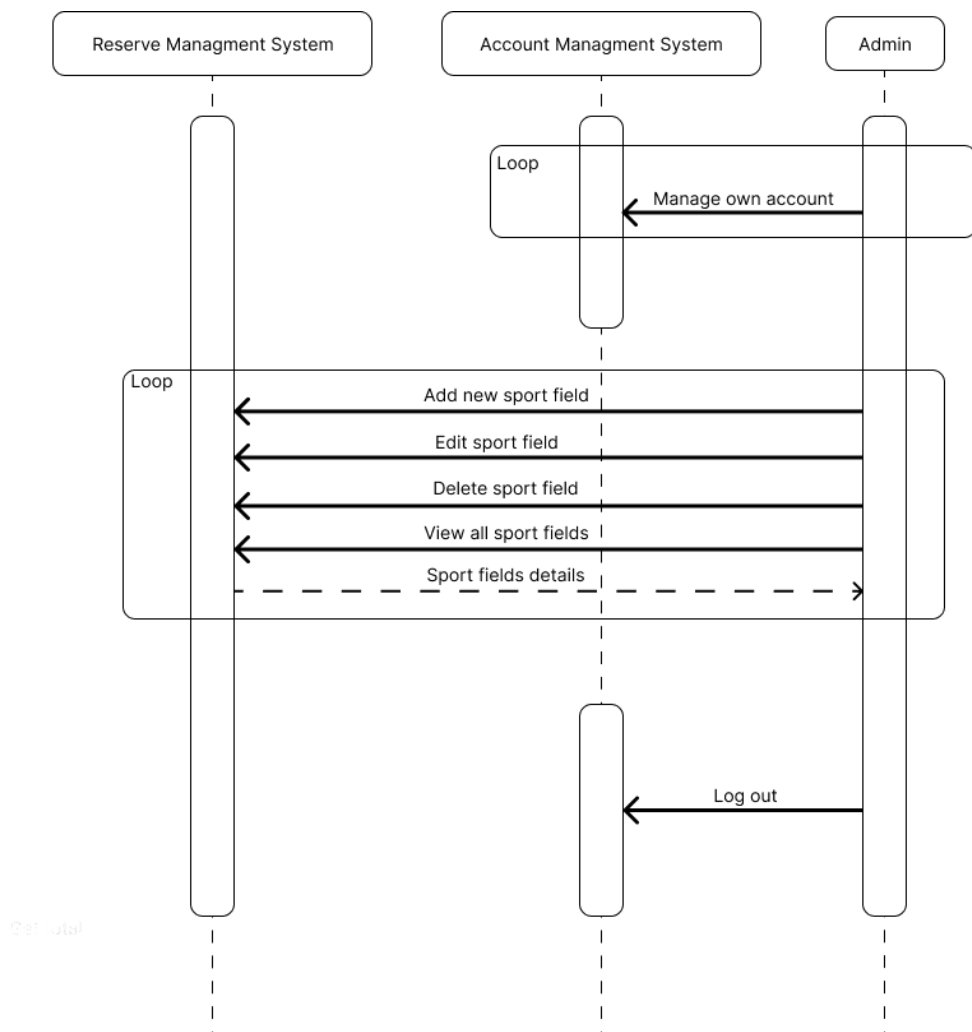
### Use case diagram for account management system:



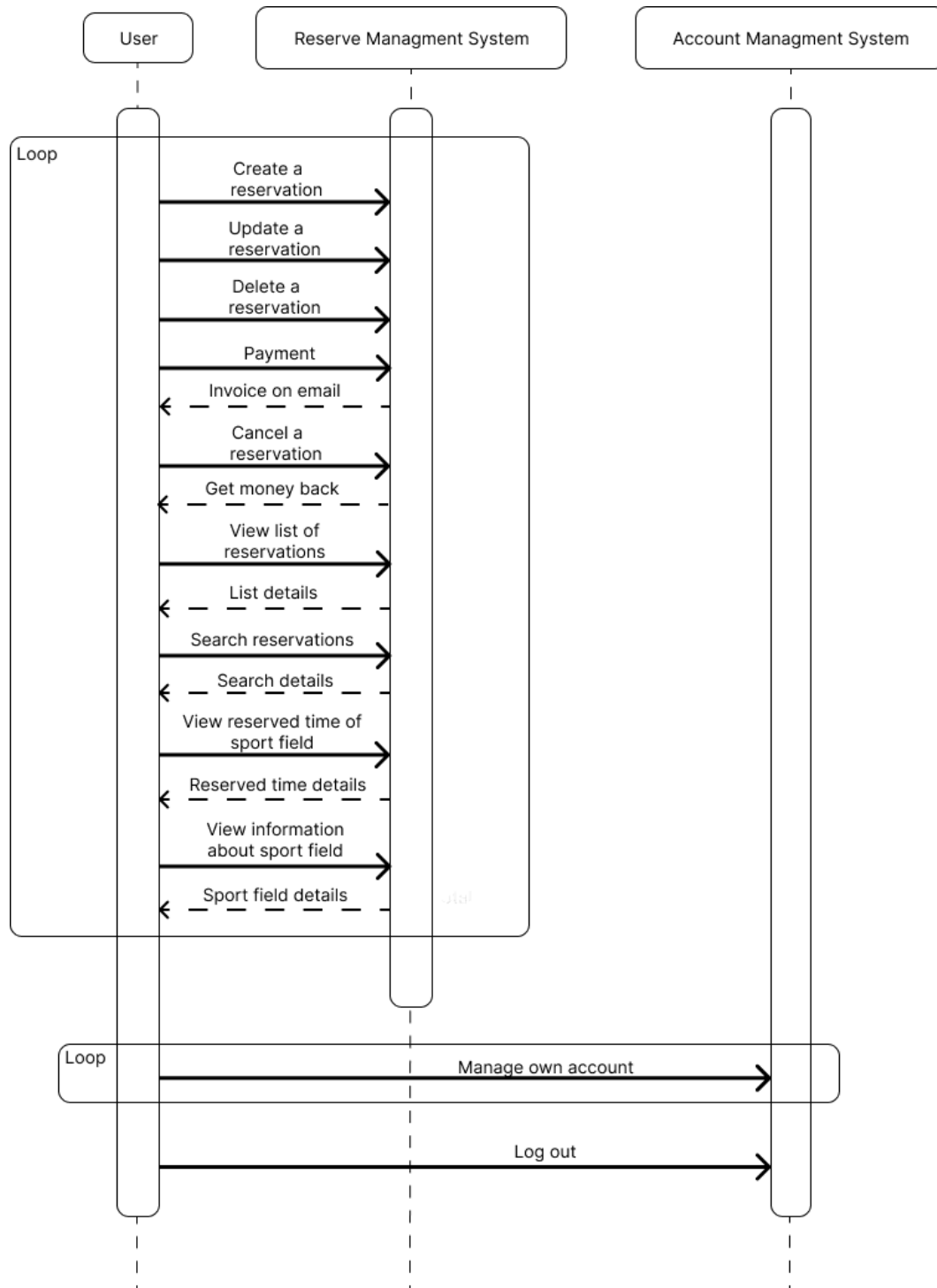
## Sequence diagram for guest



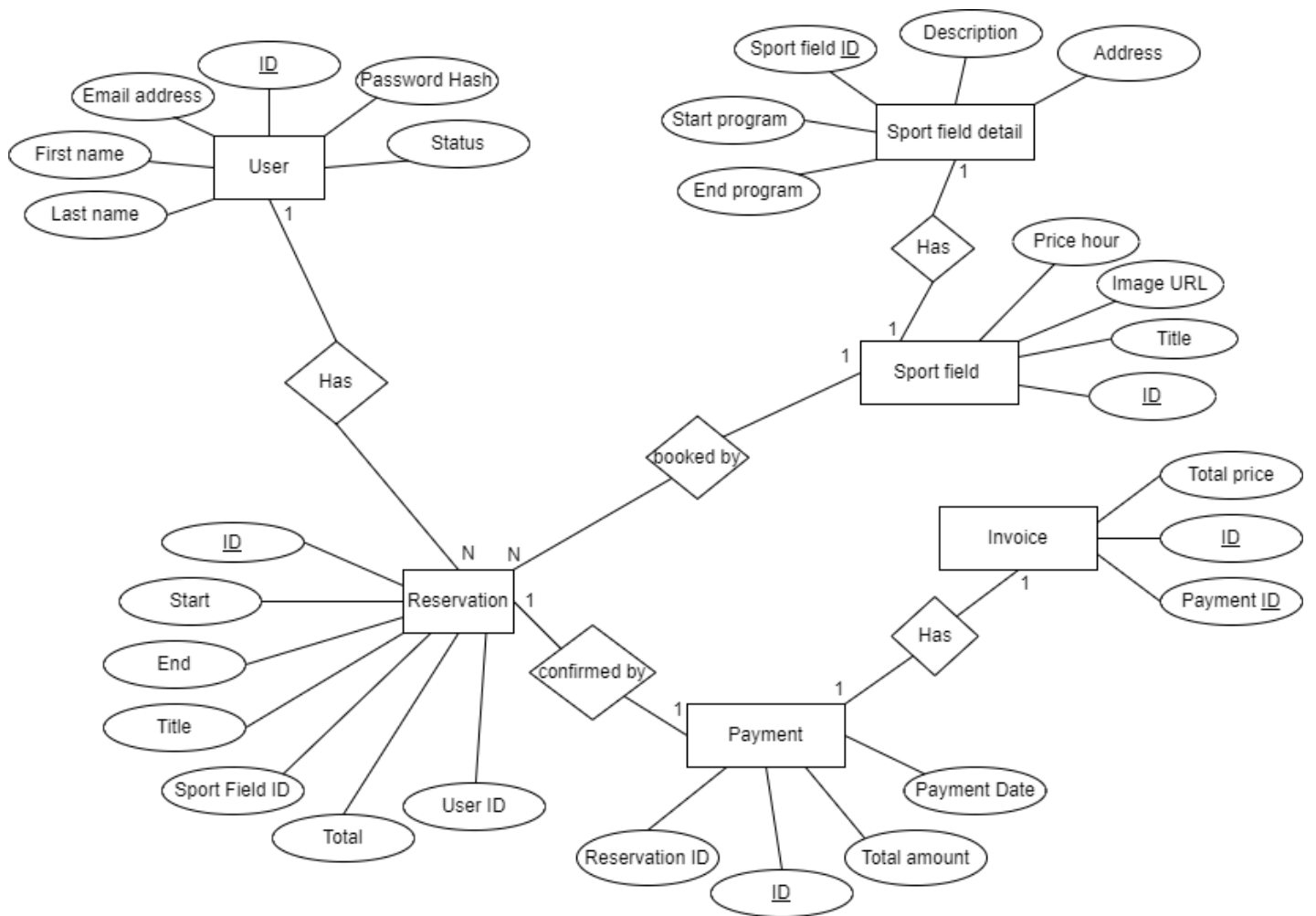
## Sequence diagram for admin



## Sequence diagram for user



## ER diagram



## Mockups

SportBooking

RegisterLogin

Email

Password

Confirm Password

First Name

Last Name

Sign up

SportBooking

RegisterLogin

Email

Password

Sign in

Forgot Password?



Reset Password

Email

Send Confirmation Link



Image

Football field

Time schedule: 10.00 - 18.00

Price per hour: 20\$

Image

Football field

Time schedule: 10.00 - 18.00

Price per hour: 20\$

Image

Football field

Time schedule: 10.00 - 18.00

Price per hour: 20\$

Image

Football field

Time schedule: 10.00 - 18.00

Price per hour: 20\$

Image

Football field

Time schedule: 10.00 - 18.00

Price per hour: 20\$

Image

Football field

Time schedule: 10.00 - 18.00

Price per hour: 20\$

Image

Football field

Time schedule: 10.00 - 18.00

Price per hour: 20\$

Image

Football field

Time schedule: 10.00 - 18.00

Price per hour: 20\$

I M A G E

[Add sport field](#)

Image

Id: 1

**Football field**

Time schedule: 10.00 - 18.00

Price per hour: 20\$

[Delete](#)[Update](#)

Image

Id: 1

**Football field**

Time schedule: 10.00 - 18.00

Price per hour: 20\$

[Delete](#)[Update](#)

Image

Id: 1

**Football field**

Time schedule: 10.00 - 18.00

Price per hour: 20\$

[Delete](#)[Update](#)

Image

Id: 1

**Football field**

Time schedule: 10.00 - 18.00

Price per hour: 20\$

[Delete](#)[Update](#)[Create reservation](#)[Search](#)**May 22 - 28, 2022**[Today](#)[<](#) [>](#)

Thursday

May 26, 2022

12:00 - 16:00

• Football

I M A G E

**Football field**

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu.

Address: Shevchenka, 12

Worktime start: 10-00

Worktime end: 20-00

PRICE PER HOUR: 15\$

[Edit profile](#)[Change password](#)[Delete account](#)

First name: Name

Last name: Surname

**My reservations:**

Id	Title	Sport field	Start time	End time	Total price	Actions
1	Tennis	Tennis field	26.05.2022 12:00	26.05.2022 16:00	60\$	<a href="#">Cancel</a>
2	Football	Sport field	27.05.2022 10:00	27.05.2022 14:00	75\$	<a href="#">Pay</a> <a href="#">Update</a> <a href="#">Delete</a>

Address

Price Per Hour

Image URL

Title

Description

Start Program

End program

[Add](#)