



# **GTU - COMPUTER ENGINEERING STUDENT CLUBS MANAGEMENT SOFTWARE**

**CSE 496  
PRELIMINARY PRESENTATION**

**Muhammed OĞUZ  
Süleyman GÖLBOL**

**Project Supervisors:  
Research Assoc. Evren Çifci  
Assoc. Prof. Mehmet Göktürk  
April 2023**



- Project Schema and Description
- Project Design Plan
- Project Requirements
- Success Criteria
- References



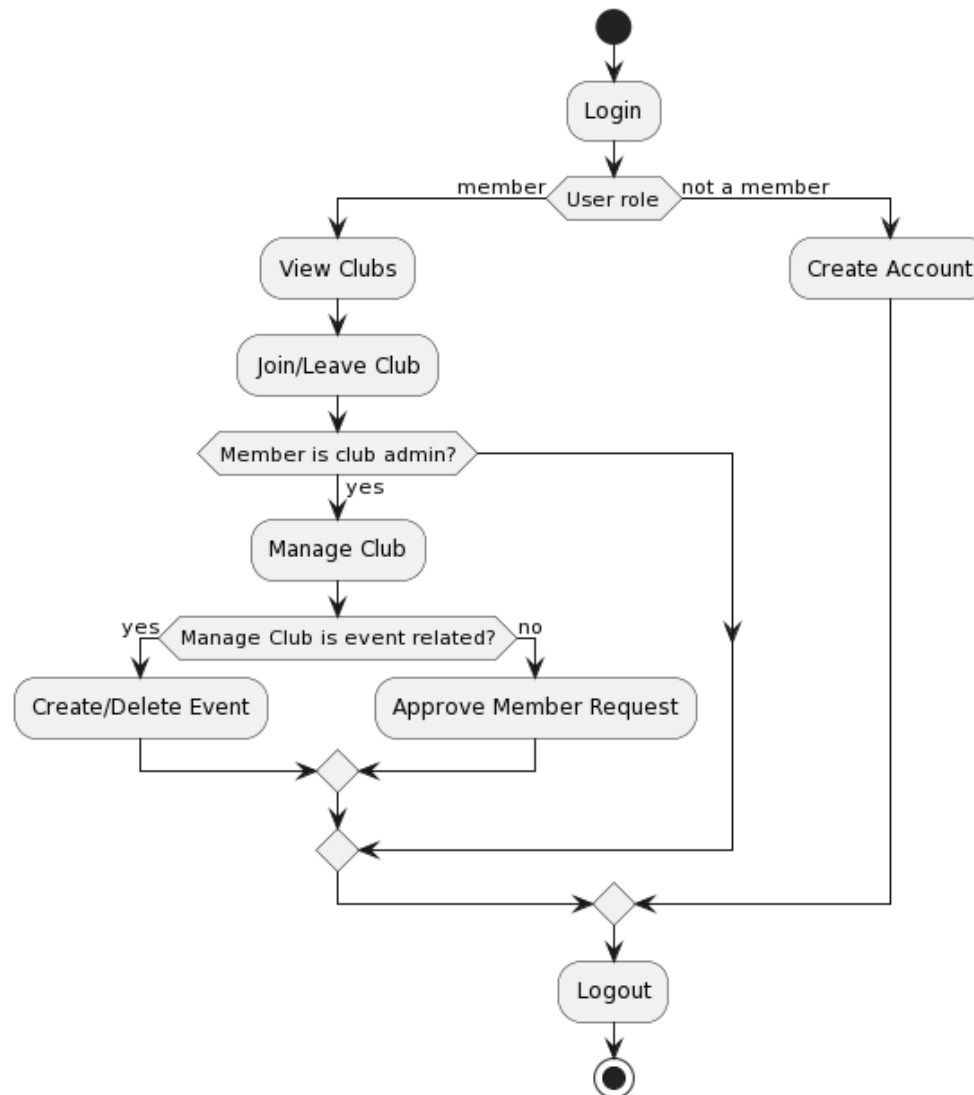
- <https://ogrenciprojeleri.gtu.edu.tr/KulupYonetim>



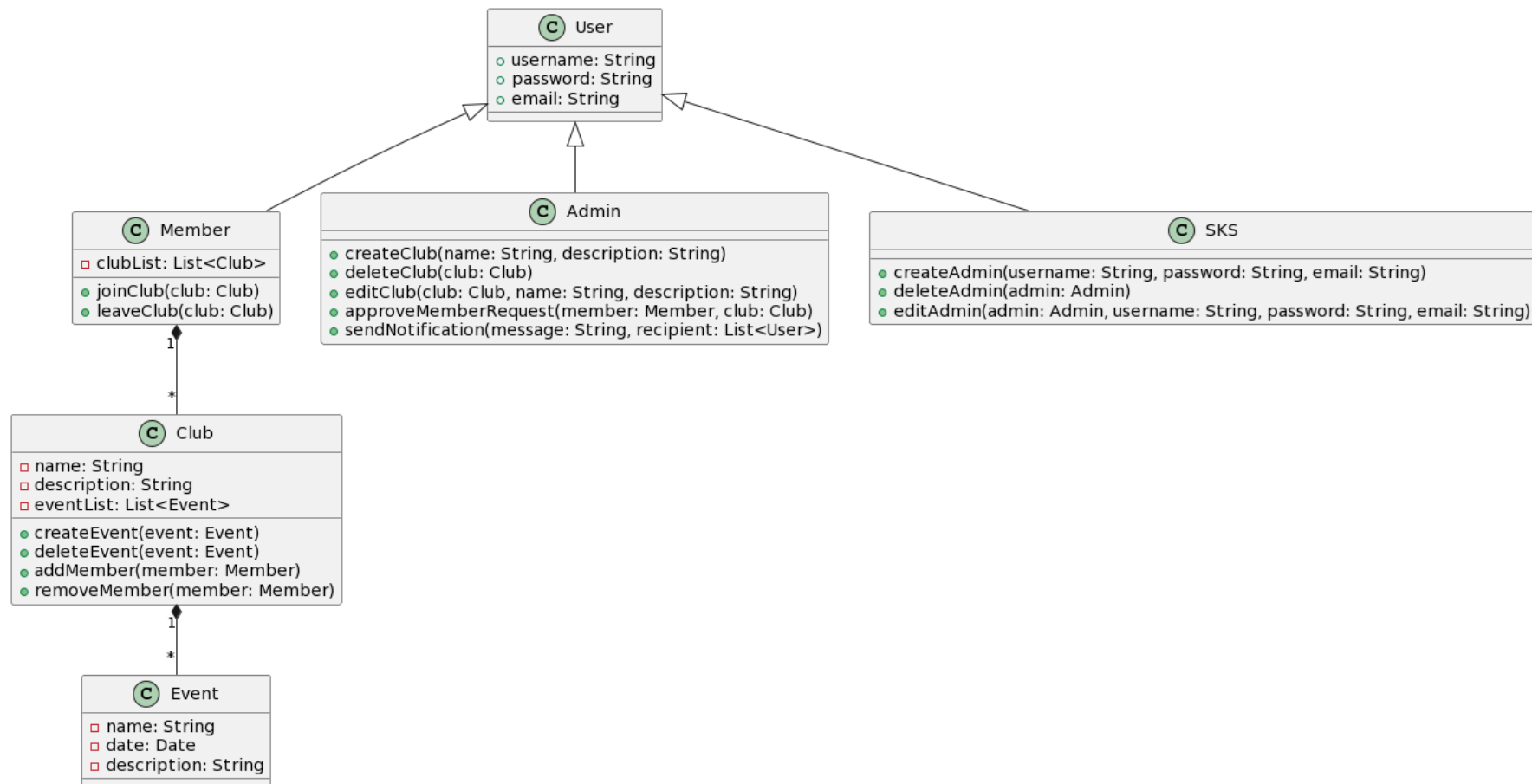
The student clubs management system app offers three login options: member, club admin, and SKS (full admin). Members can join clubs and communicate with others, while club admins have additional privileges, such as managing events and approving new members. SKS users have full control over the app. Overall, the app provides a streamlined solution for student organizations to manage their operations and engage with members effectively.



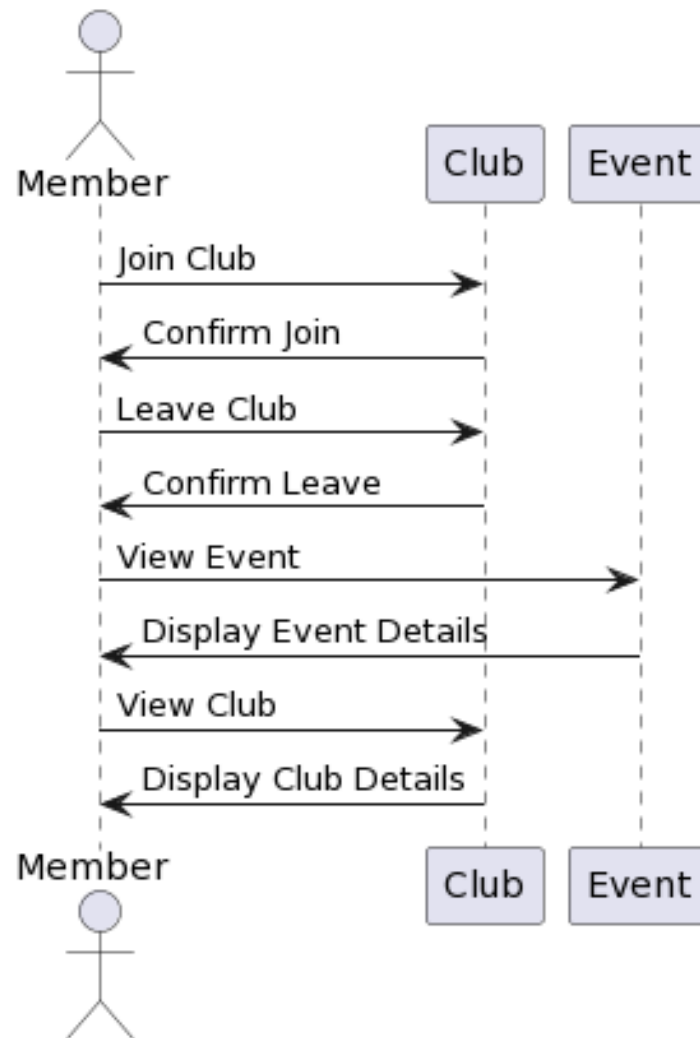
# Project Design Plan



# UML Diagram



# Use Case Diagram



## Functional Requirements

- User Management: The system should allow users to create accounts, login, and logout securely.
- Club Management: The system should allow club admins to create, delete, and edit clubs. Club members should be able to join and leave clubs.
- Event Management: The system should allow club admins to create and delete events for their respective clubs.
- Membership Approval: The system should allow an SKS admin to approve or reject new member requests.
- Administration: The system should allow an SKS admin to create, edit, and delete club admins.



## Non-functional Requirements

- Security: The system should provide secure access control to ensure that only authorized users can access the system.
- Scalability: The system should be able to handle a large number of users, clubs, and events.
- Reliability: The system should be reliable and available at all times.
- Usability: The system should be easy to use and navigate, with a user-friendly interface.
- Performance: The system should be fast and responsive, with minimal delays when accessing data or performing actions.
- These requirements are just a starting point and may need to be customized based on the specific needs and constraints of your project.





- **Frontend**

- Reactjs and Typescript will be used for client side.
- MUI style library could be implemented for beautiful user design.

- **Backend**

- Backend language is C# and .Net Core v6.
- MVC architecture will be used.
- Visual Studio Code will be the main code editor.



# Planning

Todo 4

Fix Hosting Problems

Muhammed Oğuz

Süleyman GÖLBOL

High 🔥

General

Apr 6

First Presentation

Muhammed Oğuz

Süleyman GÖLBOL

High 🔥

General

Apr 5

Talk With SKS/Evren Çifçi - WEEKLY

Muhammed Oğuz

Süleyman GÖLBOL

High 🔥

General

Apr 20

Talk With SKS/Evren Çifçi - WEEKLY

Muhammed Oğuz

Süleyman GÖLBOL

High 🔥

General

Apr 11

+ New

In Progress 0

+ New

Completed 8

Check Other Hosting Methods

Muhammed Oğuz

Süleyman GÖLBOL

High 🔥

General

Mar 30

Prepare Slide For 1st Presentation

Süleyman GÖLBOL

Muhammed Oğuz

High 🔥

General

Apr 3

Connect and Host in gtugrenciprojeleri

Muhammed Oğuz

Süleyman GÖLBOL

Low

General

Mar 29

Meeting For General Hosting Information

Muhammed Oğuz

Süleyman GÖLBOL

High 🔥

General

Mar 23

# Timeline (Completed)

Mon	Tue	Wed	Thu	Fri	Sat	Sun
6	7	8	9	10	11	12
			Create a Notion Page for Workfl... Completed General Muhammed Oğuz Süleyman			Initialize GitHub Repository Completed General Muhammed Oğuz Süleyman
13	14	15	16	17	18	19
	Talk With SKS/Evren Çifçi - WEEK... Completed General Muhammed Oğuz Süleyman		Initialize Client Project (React) Completed Frontend Muhammed Oğuz		Initialize Client CSS Framework (... Completed Frontend Muhammed Oğuz	
20	21	22	23	24	25	26
	Talk With SKS/Evren Çifçi - WEEK... Completed General Muhammed Oğuz Süleyman		Meeting For General Hosting Inf... Completed General Muhammed Oğuz Süleyman		Find a Design for Client Completed Frontend Muhammed Oğuz	
27	28	29	30	31	Apr 1	2
Signin/Signup Completed Frontend Muhammed Oğuz		Connect and Host in gtuogrenci... Completed General Muhammed Oğuz Süleyman	Check Other Hosting Methods Completed General Muhammed Oğuz Süleyman	Learn .Net Framework Completed Backend Süleyman GÖLBOL		Connect Client and Server Completed Frontend Backend Muhammed Oğuz Süleyman
3	4	5	6	7	8	9
Prepare Slide For 1st Presentation Completed General Süleyman GÖLBOL Muhammed Oğuz	Integrate with new build system Completed Frontend Backend Muhammed Oğuz Süleyman	First Presentation Todo General Muhammed Oğuz Süleyman	Fix Hosting Problems Todo General Muhammed Oğuz Süleyman		Initialize Database Todo Backend Süleyman GÖLBOL	Implement User Profile Todo Frontend Muhammed Oğuz
10	11	12	13	14	15	16



# Timeline (Next Steps)

10	11	12	13	14	15	16
	Talk With SKS/Evren Çifçi - WEEK... Todo General Muhammed Oğuz Süleyman	Club Feed (Duyuru Paneli) Todo Backend Süleyman GÖLBOL		Club Feed (Duyuru Paneli) Todo Frontend Muhammed Oğuz		Implement User Profile Todo Backend Süleyman GÖLBOL
17	18	19	20	21	22	23
	Signin/Signup Todo Backend Süleyman GÖLBOL		Talk With SKS/Evren Çifçi - WEEK... Todo General Muhammed Oğuz Süleyman			Implement Create Event Todo Frontend Muhammed Oğuz
24	25	26	27	28	29	30
Implement Admin Profile Todo Frontend Muhammed Oğuz				Implement Admin Profile Todo Backend Süleyman GÖLBOL		
May 1	2	3	4	5	6	7
Implement Create Event Todo Backend Süleyman GÖLBOL						
8	9	10	11	12	13	14
		CI/CD for Server If Possible Todo Backend Süleyman GÖLBOL		CI/CD for Client If Possible Todo Frontend Muhammed Oğuz	All API Should Respect REST API ... Todo Backend Süleyman GÖLBOL	Client Should Be Responsive for ... Todo Frontend Muhammed Oğuz
15	16	17	18	19	20	21



## **1<sup>st</sup> Meeting (Preliminary Presentation)**

April 05, 2023, Wednesday

- Gathering datasets, creating model.

## **2<sup>nd</sup> Meeting**

May 17, 2023, Wednesday

- Training, model fixes on project.
- Creating application for testing.

## **Report Submission**

June 18, 2023, Sunday

## **Trailer Submission**

June 18, 2023, Sunday

## **3<sup>rd</sup> Meeting (Final Presentation)**

June 21, 2023, Wednesday

## **Demo**

June 22, 2023, Thursday



1. The system should integrate with other systems or services as needed, such as Outh2 portal for login authentication.
2. Response should be made at most 30 milliseconds.
3. The system should be responsive for mobile and desktop devices.
4. APIs should be proper for REST.



# References

1. <https://dotnet.microsoft.com/en-us/>
2. <https://react.dev/>
1. <https://nodejs.org/en>
1. GTU BIM / SKS (Evren Çifci)

