



CS 319 TERM PROJECT

*Section 3
Group 3B
UNICLAPP*

Final Report

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Contents

1. Introduction	3
2. Project Experience	3
3. User's Guide	4
3.1 User Interfaces of Students	4
3.1.1 Login Screen	4
3.1.2 Sign Up Screen	4
3.1.3 Main Page	5
3.1.4 Profile Page	6
3.1.5 Explore Page	6
3.1.6 Followings Page	7
3.1.7 Upcoming Events by All Clubs Page	8
3.1.9 Event History of All Clubs Page	9
3.1.10 Event History of Followings Clubs Page	10
3.1.11 Event Tracker Page	10
3.1.12 Leaderboard Page	11
3.2 User Interfaces of Board Members Inherited From Student	12
3.2.1 Club Profile Page	12
3.2.2 Organize Event Page	12
3.2.3 Event Result Page	13
3.2.4 Rank Board Member Page	14
3.3 User Interfaces of Club Advisor	15
3.3.1 Advisor Profile Page	15
3.3.2 Club Profile Page	16
3.3.3 Event Result Page	16
3.4 User Interfaces of OEM	17
3.4.1 OEM Login Page	17
3.4.2 OEM Main Page	18
4. Build Instructions	19
5. Work Allocation	20
Hardware/Software Mapping	21
Access Control and Security	21
6. Status of Implementation	22

1. Introduction

Through the development process of the project team members worked coordinately. As the deadline of the project approached, the number of meetings increased. As the core features were added to the project, we dealt with some bugs, but these errors were minimized by testing. Unfortunately, the final version of the project still has a few bugs. These bugs could not be fixed because of the time limit.

First, the project aims to bring together Bilkent University students and student clubs. Thanks to UNICLAPP, students' interaction with student clubs will strengthen and it will be easier for student clubs to reach students. Student clubs can publish their events with their details on UNICLAPP. Furthermore, attending online events is very easy by clicking the meeting link on the website. In addition, student clubs are able to control and authorize their board members. The connection between student clubs and OEM can also be made through this site. Clubs can create the event they want to organize through the system and the OEM approves or rejects this event through their panel. In this way, the time lost caused by mailing will be prevented. Students can view the events announced by the clubs, state whether they will attend or not, and rate the events they attend on the website after the event. In addition, they can follow the student clubs that they want to be informed about their activities. Student clubs have an average score calculated according to the points given by the students participating in the event. This allows students to have an idea about the student club's events. Moreover, students can follow the events they plan to attend from the calendar on the website. In this way, the possibility of missing the event will be prevented. There were a few more features we were planning to implement. However, the following features could not be implemented because of the time limit: Campus Map where students can view the university campus map, calendar link with Google Calendar, Campus Map link with Google Maps, Upcoming Events by Following Student, and ClubsEvent History by Following Student Clubs.

2. Project Experience

This project has been a very productive experience for all the members of the project group. All group members did their best and everyone contributed to the project with their own knowledge. We got our opinions on the project by voting democratically. All group members always attended all our meetings. We divided the tasks equally among the four people. While some of us had a busy week or dealing with various problems, others worked on the project in solidarity by doing the things that the busy person had to do. For both backend and frontend team, this project was a real experience and both teams improved their knowledge on these fields. Some of the negative issues we encountered were time and number of people. We had some problems due to time constraints. In addition, while the other groups were five people, only our group was four people. Therefore, we had a higher workload

compared to other groups. Everyone needed to do more work and take on more responsibilities. However, at the end of everything, working on this project has been a great experience for us. We have also developed our own knowledge by learning new things. Therefore, this project has been very productive for us.

3. User's Guide

3.1 User Interfaces of Students

3.1.1 Login Screen

The first screen that appears when the user enters the website is the login screen. If the user has an account, they can log in directly from this screen. Except for Club Advisors and OEM, all other users must create an account before logging into the web application. Account information will be given to Club Advisors and OEM by the Admin. Other users, namely students, club board members and club board chairmen, must click the “Sign Up” button on the login screen to open an account.

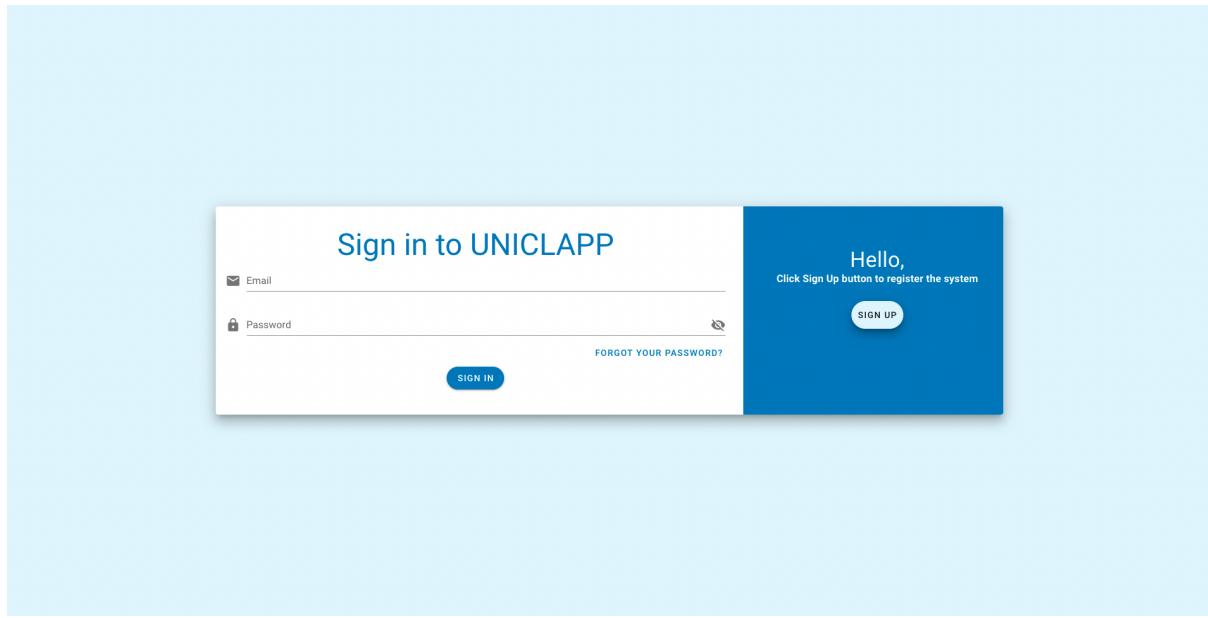


Figure 1: Login Screen

3.1.2 Sign Up Screen

After pressing this button, the system directs them to the registration screen. They can complete their registration by filling out the required fields such as name, id, department, email, and password on this screen. After registering, the system redirects them back to the login screen so that they too can login to the web application.

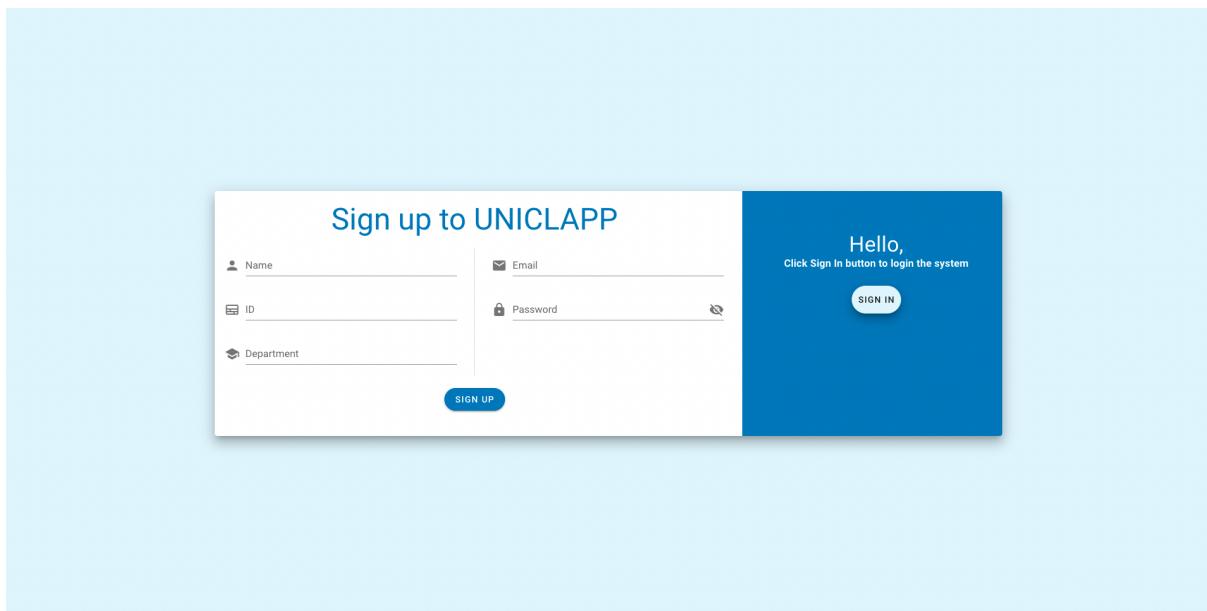


Figure 2: Sign Up Screen

3.1.3 Main Page

The first screen that welcomes users after logging in to the application is the main page. According to the feedback from the users, if there are parts that are difficult to understand in the application, a visual tutorial will be added to this page for easier use. Users can access this page from anywhere on the website. To reach this page, it is enough to click the green "Tutorial" button in the upper right corner of the screen.

The image shows the main dashboard of the UNICLAPP application. At the top, there is a header bar with the UNICLAPP logo and two buttons: "TUTORIAL" (green) and "LOGOUT" (red). Below the header, the word "Main" is displayed. On the left side, there is a vertical sidebar with a user profile picture at the top. Below the profile picture, the user's name and surname are listed as "Name Surname" and "PSI: 100". A list of navigation items follows, each with an icon and a label: Profile, Explore, Followings, Upcoming Events, Event History, Event Tracker, Campus Map, and Leaderboard.

Figure 3: Main Page

3.1.4 Profile Page

If the logged in user is only a student, the navigation bar user sees will be as shown on the right on the screen, i.e., there are eight sections on the navigation bar. In the Profile Page, the user can see his or her name, id, e-mail, department, PSI score, and HES code. The fields of name, id, e-mail, department are read only. However, if the user wants to update his or her HES code and password, the user can change from this page.

The screenshot shows the UNICLAPP Profile Page. At the top, there is a navigation bar with a user profile picture, the text 'UNICLAPP', and links for 'TUTORIAL' and 'LOGOUT'. On the left, a sidebar lists navigation options: 'Profile' (selected), 'Explore', 'Followings', 'Upcoming Events', 'Event History', 'Event Tracker', 'Campus Map', and 'Leaderboard'. Below this is a section for 'Name Surname' and 'PSI: 100'. The main content area is titled 'Profile' and contains fields for 'Name' (Ayberk Yaşa), 'ID' (21800000), 'E-mail' (ayberk.yasa@ug.bilkent.edu.tr), and 'Department' (Computer Science). A 'HES Code' field shows '1111-2222-33' with a 'SUBMIT' button. To the right, there is a 'Change Password' section with fields for 'Old Password', 'Create New Password', and 'Confirm New Password', along with an 'APPLY CHANGE' button. A 'PSI Score' section shows the value '98' in a circular badge.

Figure 4: Profile Page

3.1.5 Explore Page

The second section on the navigation bar of the student type of the user is the explore page. In the explore page, all clubs in the school are listed to the user. The user can search for these clubs by name from the top search section or filter them from the category options just below the search section. According to whether the user follows the listed clubs or not, "Follow" and "Unfollow" buttons appear on the right of the table for each club. By pressing these buttons, the user can follow new clubs or unfollow clubs.

The screenshot shows the UNICLAPP platform's Explore page. On the left is a vertical navigation bar with icons for Profile, Explore, Followings, Upcoming Events, Event History, Event Tracker, Campus Map, and Leaderboard. The user's profile picture and name ('Surname') are at the top of this bar. The main content area has a header 'UNICLAPP' and a 'Explore' section. It includes a search bar and filter buttons for 'UNSELECT ALL', 'Business', 'Software', 'Science', 'Hobbies', and 'Entertainment'. Below is a table listing clubs with columns for Name, Category, Followers, Rate, and Following status (with 'FOLLOW' or 'UNFOLLOW' buttons). The table lists clubs like ACM Bilkent Club, Management and Economics Society, Astronomy Society, Young Entrepreneur Society, E-Sport Society, Science Fiction and Fantasy Society, and Operational Research Club. At the bottom are pagination controls for 'Rows per page' (10), '1-7 of 7', and navigation arrows.

Figure 5: Explore Page

3.1.6 Followings Page

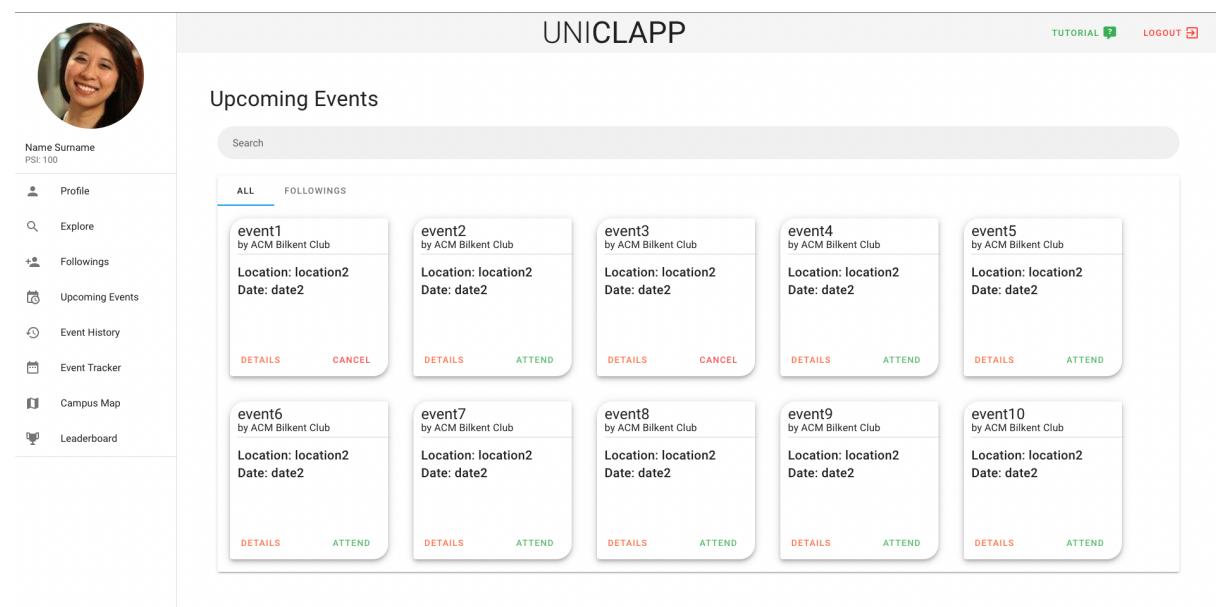
The third section on the navigation bar of the student type of the user is the followings page. All clubs followed by the user are listed on this page. The user can search for these clubs by name from the top search section or filter them from the category options just below the search section. Moreover, the user can see the total number of followers and average rates of all events of the corresponding club in this page. If the user wants to unfollow a club, the user can click the red "Unfollow" button on the far right of that club's row in the table.

The screenshot shows the UNICLAPP platform's Followings page. The layout is identical to the Explore page, with a vertical navigation bar on the left and a main content area with a 'Followings' header. It features a search bar and filter buttons for 'UNSELECT ALL', 'Business', 'Software', 'Science', 'Hobbies', and 'Entertainment'. A table lists clubs with columns for Name, Category, Followers, Rate, and Following status (with 'UNFOLLOW' buttons). The table lists clubs like Management and Economics Society, Astronomy Society, E-Sport Society, and Science Fiction and Fantasy Society. Pagination controls at the bottom show '1-4 of 4'.

Figure 6: Followings Page

3.1.7 Upcoming Events by All Clubs Page

The user can also see the upcoming events of all clubs in the university. Each event is displayed as a card on this screen. The user can search for events by name from the search section at the top of the screen. These cards contain brief information of each event. If the user wants to get detailed information about the event, s/he can click on the "Detail" button in the lower left corner of the card of the event. When the user clicks this button, a dialog opens on the screen and all information about the event is presented to the user in this dialog. If the user wants to participate in the event, s/he can click the "Attend" button in the lower right corner of the card of the event. If the user gives up participating in an event that s/he has previously stated s/he will attend, s/he can click the "Cancel" button in the lower right corner of the card.



The screenshot shows the UNICLAPP application interface. On the left is a vertical sidebar with a user profile picture and the following navigation options: Profile, Explore, Followings, Upcoming Events (selected), Event History, Event Tracker, Campus Map, and Leaderboard. The main content area is titled 'Upcoming Events' and features a search bar. Below it, there are two tabs: 'ALL' (selected) and 'FOLLOWINGS'. A grid of ten event cards is displayed in two rows of five. Each card contains event details: name, organizer, location, and date. At the bottom of each card are three buttons: 'DETAILS' (red), 'CANCEL' (red), and 'ATTEND' (green). The events are: event1 (by ACM Bilkent Club, Location: location2, Date: date2), event2 (by ACM Bilkent Club, Location: location2, Date: date2), event3 (by ACM Bilkent Club, Location: location2, Date: date2), event4 (by ACM Bilkent Club, Location: location2, Date: date2), event5 (by ACM Bilkent Club, Location: location2, Date: date2), event6 (by ACM Bilkent Club, Location: location2, Date: date2), event7 (by ACM Bilkent Club, Location: location2, Date: date2), event8 (by ACM Bilkent Club, Location: location2, Date: date2), event9 (by ACM Bilkent Club, Location: location2, Date: date2), and event10 (by ACM Bilkent Club, Location: location2, Date: date2).

Figure 7: Upcoming Events by All Clubs Page

By clicking the “Followings” tab in the upcoming events page, the user can see the upcoming events of the clubs followed by the user. Each event is displayed as a card on this screen. The user can search for events by name from the search section at the top of the screen. These cards contain brief information of each event. If the user wants to get detailed information about the event, s/he can click on the "Detail" button in the lower left corner of the card of the event. When the user clicks this button, a dialog opens on the screen and all information about the event is presented to the user in this dialog. If the user wants to participate in the event, s/he can click the "Attend" button in the lower right corner of the card of the event. If the user gives up participating in an event that s/he has previously stated s/he will attend, s/he can click the "Cancel" button in the lower right corner of the card.

The screenshot shows the UNICLAPP application interface. On the left is a vertical sidebar with a user profile picture at the top, followed by a list of navigation items: Profile, Explore, Followings, Upcoming Events, Event History, Event Tracker, Campus Map, and Leaderboard. The main content area is titled 'Upcoming Events' and features a search bar. Below the search bar are two tabs: 'ALL' and 'FOLLOWINGS', with 'FOLLOWINGS' being the active tab. A 'Search' input field is positioned above the event cards. There are seven event cards displayed in two rows. Each card contains the event title, the club it's organized by, its location, and its date. At the bottom of each card are 'DETAILS' and 'ATTEND' buttons. The first row contains five cards: Event1 (Management and Economics Society), Event2 (Science Fiction and Fantasy Society), Event3 (E-Sport Society), Event4 (Astronomy Society), and Event5 (Management and Economics Society). The second row contains two cards: Event6 (Science Fiction and Fantasy Society) and Event7 (Management and Economics Society).

Figure 8: Upcoming Events by Following Clubs Page

3.1.9 Event History of All Clubs Page

The user can view the past events and the information about rates of all clubs. The information about rates, event names and the club that did the event is shown in cards one by one. The user can enter the rate by selecting the star from 0 to 5. After that the rate given by the user is shown in the 'Your Rate' part. The user also can view how many stars that s/he gives to the event by looking at the star scale. The average rate of the event is also shown in those cards. The user may search a past event from the search bar by entering the event name.

The screenshot shows the UNICLAPP application interface. On the left is a vertical sidebar with a user profile picture at the top, followed by a list of navigation items: Profile, Explore, Followings, Upcoming Events, Event History, Event Tracker, Campus Map, and Leaderboard. The main content area is titled 'Event History' and features a search bar. Below the search bar are two tabs: 'ALL' and 'FOLLOWINGS', with 'ALL' being the active tab. A 'Search' input field is positioned above the event cards. There are five event cards displayed in a single row. Each card contains the event title, the club it's organized by, the average rate, the user's rate, and the star scale. At the bottom of each card are five small blue star icons. The event cards are: event7 (ACM Bilkent Club) with Average Rate: 0 and Your Rate: 4; event8 (ACM Bilkent Club) with Average Rate: 0 and Your Rate: Not Rated; event9 (ACM Bilkent Club) with Average Rate: 0 and Your Rate: Not Rated; event10 (ACM Bilkent Club) with Average Rate: 0 and Your Rate: Not Rated; and event11 (ACM Bilkent Club) with Average Rate: 0 and Your Rate: Not Rated.

Figure 9: Event History of All Clubs Page

3.1.10 Event History of Followings Clubs Page

The user can observe the past events of the club that s/he follows by clicking the 'Followed' button. The information about rates, event names and the club that did the event is shown in cards one by one. The user can enter the rate by selecting the star from 0 to 5. After that the rate given by the user is shown in the 'Your Rate' part. The user also can view how many stars that s/he gives to the event by looking at the star scale. The average rate of the event is also shown in those cards. The user may search a past event from the search bar by entering the event name.

The screenshot shows the UNICLAPP mobile application interface. On the left is a vertical sidebar with a user profile picture at the top, followed by navigation links: Profile, Explore, Followings, Upcoming Events, Event History (which is selected), Event Tracker, Campus Map, and Leaderboard. The main content area is titled 'Event History' and features a search bar. Below it, there are two tabs: 'ALL' and 'FOLLOWINGS', with 'FOLLOWINGS' being the active tab. Six event cards are displayed in a grid:

- Event1** by Management and Economics Society. Average Rate: 0. Your Rate: Not Rated. Rating: 0 stars.
- Event2** by Science Fiction and Fantasy Society. Average Rate: 0. Your Rate: 5. Rating: 5 stars.
- Event3** by E-Sport Society. Average Rate: 0. Your Rate: 3. Rating: 3 stars.
- Event4** by Astronomy Society. Average Rate: 0. Your Rate: 2. Rating: 2 stars.
- Event5** by Management and Economics Society. Average Rate: 0. Your Rate: Not Rated. Rating: 0 stars.
- Event6** by Science Fiction and Fantasy Society. Average Rate: 0. Your Rate: Not Rated. Rating: 0 stars.

Figure 10: Event History of Following Clubs Page

3.1.11 Event Tracker Page

On the Event Tracker Page, the user can view the events that s/he will attend. From the Upcoming Events Page, if the user presses the 'Attend' button for any event, the event will automatically be added to the Event Tracker Page. The events that the user wants to attend will be shown in the schedule.

Figure 11: Event Tracker Page

3.1.12 Leaderboard Page

On the leaderboard page, the user can view the clubs by sorting them in four different ways. The user can select the desired sorting type by clicking on them from the 'Sort by:' line. The clubs can be sorted by followers, rate, events and participants. After selecting the sorting option, the list of clubs will be displayed on that page from higher to lower. The clubs' names, categories, followers, total rates, total events and total participants are displayed on this page. The user can also select rows per page and go to the next page by clicking little arrows.

Name	Category	Followers	Total Rate	Total Events	Total Participants
Management and Economics Society	Business	6889	4.6	11	125
Young Entrepreneur Society	Entertainment,Business	5642	4.5	9	183
E-Sport Society	Entertainment,Hobbies	2036	4.2	21	223
ACM Bilkent Club	Business,Software,Science	1545	4.5	10	123
Astronomy Society	Science,Hobbies	1276	4.7	12	143
Operational Research Club	Business	1149	4.0	17	423
Science Fiction and Fantasy Society	Entertainment,Hobbies	891	4.3	15	23

Figure 12: Leaderboard Page

3.2 User Interfaces of Board Members Inherited From Student

3.2.1 Club Profile Page

The club profile page contains information about the club where the user is a board member or board chairman. Only students who are a board member or board chairman of a club can access this page. There is no section related to this page in the navigation bar of other users. When the user enters this page, he can see the basic information about the club such as the number of followers of the club, the average rate, the section about the club, the category of the club and the board members of the club.

The screenshot shows the Club Profile page for the ACM Bilkent Club on the UNICLAPP platform. At the top right, there are 'TUTORIAL' and 'LOGOUT' buttons. The main header 'UNICLAPP' is centered above the club name 'ACM Bilkent Club'. To the left is a sidebar with a user profile picture and a list of navigation links:

- Name Surname
PSI: 100
- Profile
- Explore
- Followings
- Upcoming Events
- Event History
- Event Tracker
- Campus Map
- Leaderboard
- Club Profile
- Organize Event
- Event Result
- Rank Board Member

The main content area displays the club's statistics: 1548 Followers and a 4.8 Rate. Below this are sections for 'About' (with a text input field showing '0 / 400') and 'Category' (with a text input field showing '0 / 100'). A 'Board Members' table lists the following names:

Name
Ayberk Yasa
Fatih Kaplama
Gorkem Ayten
Mert Atakan Onrat

Figure 13: Club Profile Page

3.2.2 Organize Event Page

The organize event page is used for a club to create an event. Therefore, only users who are board members of a club can access this page. In the first part, the user fills in the basic information of the event such as the event's name, description, date and time. In addition, the user can choose whether the event will have GE status and whether the event will be online. If the event will not be online, the location of the event must be specified by the user. The user can organize an event after entering the necessary information. In the second part, the event list of the club where the user is a board member is displayed in a table. Basic information about the event can be accessed from this table. The user can also remove an event.

The screenshot shows the 'Organize Event' page. On the left, a sidebar for 'Fatih Kaplama' includes links for Profile, Explore, Followings, Upcoming Events, Event History, Event Tracker, Campus Map, Leaderboard, Club Profile, Organize Event, and Event Result. The main area has sections for 'Organize Event' and 'Your Club's Current Events'. The 'Organize Event' section contains fields for Name, Description (with a 400 character limit), Location, Start Date Time, End Date Time, GE Status, GE Points, and Status. A 'REMOVE' button is present. Below these are fields for Start Date (26/12/2021), End Date (26/12/2021), Start Time, and End Time. A green 'ORGANIZE' button is at the bottom. The 'Your Club's Current Events' section shows a single event: Ankara Start-Up Zirvesi, described as 'This is the entrepreneurship event', located at Mithat Coruh, with a start date of 27/12/2021 at 10:00 and an end date of 27/12/2021 at 19:00, awarded 10 GE points, and marked as 'Upcoming'. A red 'REMOVE' button is next to it. Navigation controls for rows per page (10) and page (1 of 1) are at the bottom.

Figure 14: Organize Event Page

3.2.3 Event Result Page

The event result page displays a club's past events and some information about these events. Only users who are a board member or a board chairman of a club can access this page. These users see their club's past events sorted by event date. On the first page they come across, event name, event description, event location and event date information are displayed for each event in a table. There is also a button for users to access more detailed results about the event.

The screenshot shows the 'Event Result' page. The sidebar is identical to Figure 14. The main area has sections for 'Event Result' and 'Your Club's Past Events'. The 'Your Club's Past Events' section displays a table with columns for Name, Description, Location, Date, and Result. Two events are listed: 'Ankara Start-Up Zirvesi' (Description: 'This is the entrepreneurship event', Location: 'Mithat Coruh', Date: '27.12.2021 10:00:00') and 'Tanışma Toplantısı' (Description: 'Hello everyone. We invite you to the first meeting...', Location: 'BZ-01', Date: '11.10.2021 17:30:00'). Each event row has a green 'SHOW' button. Navigation controls for rows per page (10) and page (1 of 2) are at the bottom.

Figure 15: Event Result Page

Another functional feature on the event result page is the section where more detailed information about the club's past event is displayed. In order for this dialog

window to be displayed, the user must open this window by clicking the button. Then, which event the user wanted to view, more detailed information about that event appears in the window. In addition to the event information on the first page, the average rate of the event and the number of participants information are also displayed in this window.

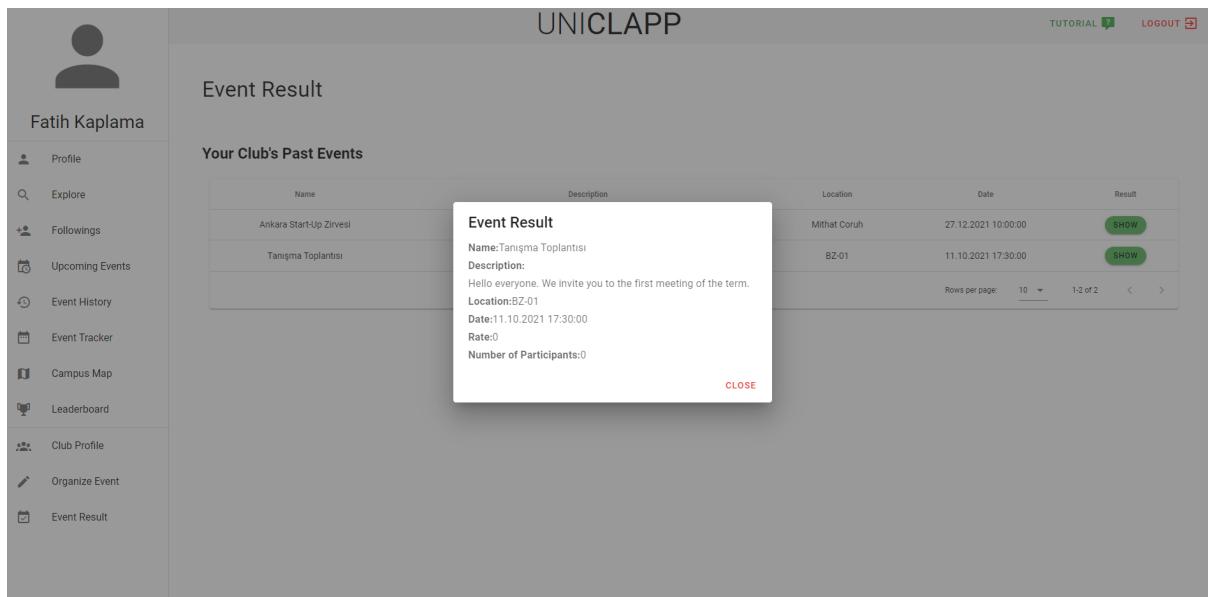


Figure 16: Dialog That Opens After Clicking the Show Button on the Event Result Page

3.2.4 Rank Board Member Page

The Rank Board Member page is used to determine a student's status in the club. Only users who are the chairman of the board of a club can access this page. Board chairman can make that student a board member of the club by entering student name, student id and student email in the form in the first part, if there is such a student. In the second part, there is a table where the board members of that club are listed. The board chairman can view the board members of the club from this table and can demote the board member and make his status a student.

The screenshot shows the 'Rank Board Member' page in the UNICLAPP application. On the left, there's a sidebar with a profile picture of a woman, her name 'Surname Name', and 'PSI: 100'. Below this are various navigation links: Profile, Explore, Followings, Upcoming Events, Event History, Event Tracker, Campus Map, Leaderboard, Club Profile, Organize Event, Event Result, and Rank Board Member. The main content area has a header 'Rank Board Member' and a sub-header 'Your Club's Current Board Members'. It contains three input fields for 'Student Name', 'Student ID', and 'Student E-mail', followed by a blue 'PROMOTE' button. To the right is a table with four rows of data:

Name	ID	E-mail	Demote
Ayberk Yasa	21802180	ayberk.yasa@ug.bilkent.edu.tr	DEMOTE
Fatih Kaplama	21902190	fatih.kaplama@ug.bilkent.edu.tr	DEMOTE
Gorkem Aylen	21202120	gorkem.aylen@gmail.com	DEMOTE
Mert.Atakan Onrat	21212121	atakan.onrat@gmail.com	DEMOTE

At the bottom of the table, there are pagination controls: 'Rows per page: 10', '1-4 of 4', and arrows for navigating through the pages.

Figure 17: Rank Board Member Page

3.3 User Interfaces of Club Advisor

3.3.1 Advisor Profile Page

The club advisor Profile Page will look like the screen below. In this page the advisor can see his/her name and his/her email. The advisor can change his/her password on this page. After entering the old and new password, the button ‘Apply Change’ must be pressed in order to change the password.

The screenshot shows the 'Profile' page in the UNICLAPP application. On the left, there's a sidebar with a profile picture of a woman, her name 'Surname Name', and 'PSI: 100'. Below this are navigation links: Profile, Club Profile, and Event Result. The main content area has a header 'Profile' and a 'Change Password' section. It contains four input fields: 'Name' (Eray Tuzün), 'E-mail' (eray.tuzun@bilkent.edu.tr), 'Old Password', 'Create New Password', and 'Confirm New Password'. At the bottom is a blue 'APPLY CHANGE' button.

Figure 18: Advisor Profile Page

3.3.2 Club Profile Page

The advisor can select the profile page from the navigation bar on the left side of the screen and review the profile page of the club s/he belongs to as an advisor.

UNICLAPP

TUTORIAL LOGOUT

Club Profile

ACM Bilkent Club

1548 Followers 4.8 Rate

About
0 / 400

Category
0 / 100

Board Members

Name
Ayberk Yasa
Fatih Kaplama
Gorkem Ayten
Mert Atakan Onrat

Figure 19: Club Profile Page

3.3.3 Event Result Page

Also, the club advisor can view the past events of the club that s/he belongs to as an advisor. Events will be listed from top to bottom from newest to oldest. On this page the name, description, location, date and result of the event is shown.

UNICLAPP

TUTORIAL LOGOUT

Event Result

Your Club's Past Events

Name	Description	Location	Date	Result
Ankara Start-Up Zirvesi	This is the entrepreneurship event	Mithat Coruh	27.12.2021 10:00:00	
Tanışma Toplantısı	Hello everyone. We invite you to the first meeting...	BZ-01	11.10.2021 17:30:00	

Figure 20: Event Result Page

On the Event result page, if the advisor presses the show button, a dialog will be open. On that dialog, the name, description, location, date, rate and the number of participants of the event will be shown. For all of the other events of the club, the advisor can press the show button to examine the information and results of the event.

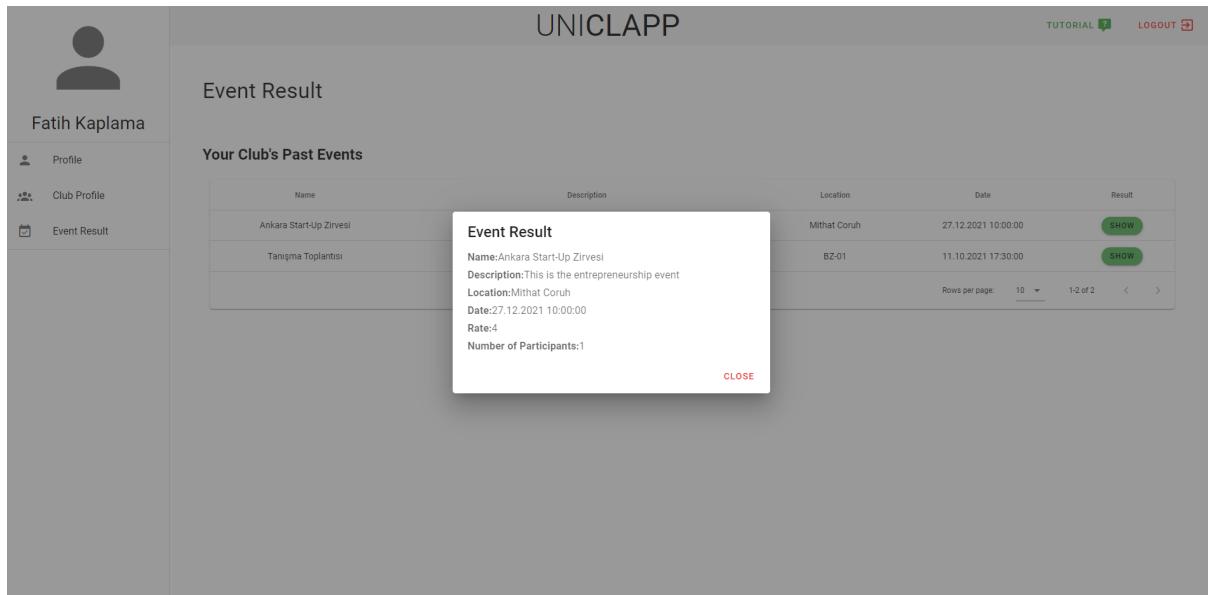


Figure 21: Dialog That Opens After Clicking the Show Button on the Event Result Page

3.4 User Interfaces of OEM

3.4.1 OEM Login Page

The OEM can sign in with the specific username and password that will be given to them by Admin. OEM needs to go to <http://localhost:8080/oemLogin> manually to reach this page.

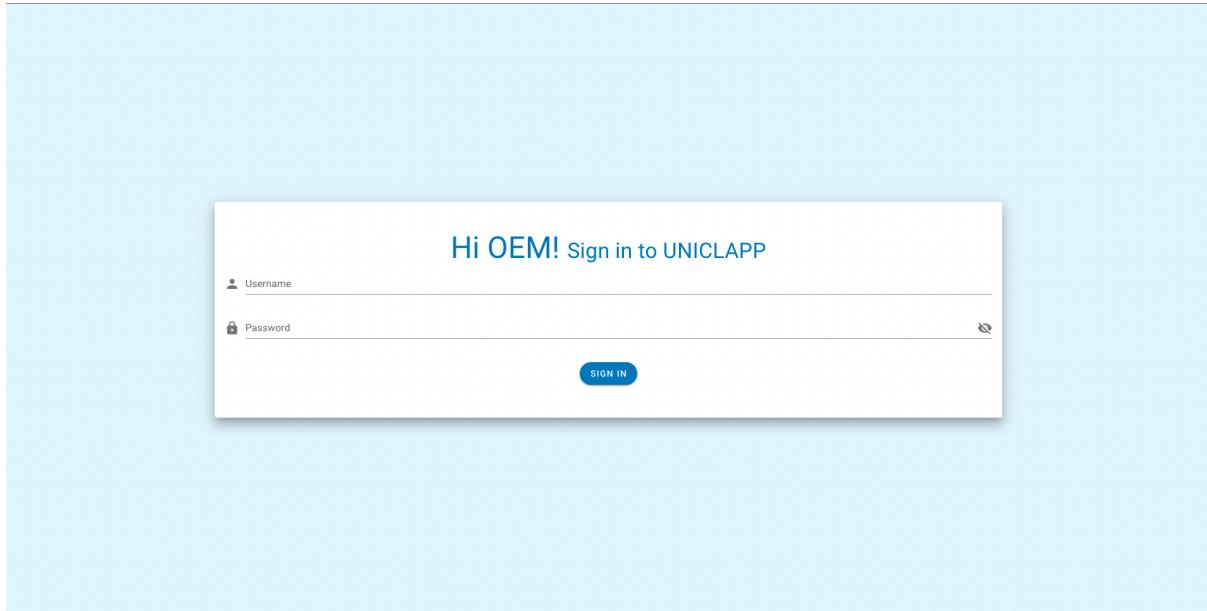


Figure 22: OEM Login Page

3.4.2 OEM Main Page

After signing in, the main page will look like the screen in the below picture. The OEM can see the list of events that are waiting for an approval or rejection on the ‘Pending Events’. The name, description, location, date of the events and the option for an approval or rejection are shown below the ‘Pending Events’. The OEM can approve or reject an event by pressing the ‘Approve’ and ‘Reject’ buttons. If the event is approved, its information will be displayed on the ‘Approved Events’ part. If the event is rejected, its information will be displayed on the ‘Rejected Events’.

Pending Events						LOGOUT
Name	Description	Location	Date	Approve	Reject	
Introductory Meeting2	Descriptiiiiiiooooon	Mayfest Area	16.09.2021 15:25:00			
Introductory Meeting	Descriptiiiiiiooooon	Mayfest Area	16.09.2021 15:45:00			
Fast & Curious Meeting	DescriptaaaaaaaaaiiiiiooooonDescriptaaaaaaaaal...	Cyberpark	06.04.2022 21:45:00			
Rows per page: 10 ▾ 1-3 of 3 < >						

Approved Events					
Name	Description	Location	Date		
approvedIntroductory Meeting2	Descriptiiiiiiooooon	Mayfest Area	16.09.2021 15:25:00		
approvedIntroductory Meeting	Descriptiiiiiiooooon	Mayfest Area	16.09.2021 15:45:00		
approvedFast & Curious Meeting	DescriptaaaaaaaaaiiiiiooooonDescriptaaaaaaaaal...	Cyberpark	06.04.2022 21:45:00		
Rows per page: 10 ▾ 1-3 of 3 < >					

Rejected Events					
Name	Description	Location	Date		
rejectedIntroductory Meeting2	Descriptiiiiiiooooon	Mayfest Area	16.09.2021 15:25:00		
rejectedIntroductory Meeting	Descriptiiiiiiooooon	Mayfest Area	16.09.2021 15:45:00		

Figure 23: OEM Main Page

4. Build Instructions

Uniclapp is a web project developed using Vue.js, a javascript library, on the frontend, and Django, a python library, on the backend. This web application can only work locally for now. In order for the project to work locally, the project must first be cloned from github to local. Then, using a suitable IDE like Visual Studio Code, the frontend and backend of the project should be run separately on the development server.

In order for the frontend part to run on the development server, first of all, Node.js, which is an open source, server-side running environment developed for networked applications, must be installed on the computer. It can be installed from <https://nodejs.org/en/download/>. After this environment is installed on the computer, it comes with npm, which is a package management system. This package system is run from the command line. After the necessary packages are installed, you need to go under the frontend folder in the Visual Studio Code console. Then, "npm install" command should be written in the terminal in order to integrate the necessary node modules into the project. After these modules are installed without any errors, the "npm run dev" command must be typed into the terminal for the project to run on the development server. Frontend works at <http://localhost:8080/> by default.

In order to connect the database and Django Restful API, you need Python 3.6 or higher versions installed on your device. Our project's database is a local database. Therefore, you have to connect the database through your computer.

First you need to install the last version of Python on your computer. You can look at the official website of Python for further information (<https://www.python.org/>). After installing Python successfully to your computer, you should go to the directory /uniclapp-backend/uniclapp of the project with the computer's command prompt. Then you should type the following commands:

```
pip3 install -r requirements.txt  
pyton3 manage.py makemigrations  
pyton3 manage.py migrate  
pyton3 manage.py runserver
```

API connection via <http://127.0.0.1:8000/> by default.

In order to access the local database of our project via the Django Admin Panel you need to create a superuser. To create super user you should type:

```
python3 manage.py createsuperuser
```

After entering the email and password you can access the Django Admin Panel via the <http://127.0.0.1:8000/admin/> url.

5. Work Allocation

In this project, we tried to distribute tasks as equally as possible to all group members. This section describes the duties of each group member.

Görkem Ayten

Analysis Report

- Some Proposed Systems
- Some Functional Requirements
- Some Nonfunctional Requirements
- Some Sequence Diagrams
- Some Activity Diagrams
- Class Diagram
- Some Class Explanations

Design Report

- Subsystem Decomposition
- Persistent Data Management
- Object Design Trade-offs
- Final Object Design
- Classes of Controller Objects
- Classes of Entity Objects
- Design Patterns
- Improvement Summary

Implementation

- Backend
- API Testing

Fatih Kaplama

Analysis Report

- Some Functional Requirements
- Some Nonfunctional Requirements
- Use Case Diagram
- Some Textual Use Cases
- Some Sequence Diagrams
- Improvement Summary

Design Report

- Some Design Goals
- Subsystem Decomposition
- Deployment Diagram
- Boundary Conditions
- Some Class Diagrams
- Design Patterns

- Explanation of Some Class Interfaces
- Improvement Summary

Implementation

- Frontend
- Testing
- Some of the API Connections

Ayberk Yaşa

Analysis Report

- Some Functional Requirements
- Some Nonfunctional Requirements
- Use Case Diagram
- Some Textual Use Cases
- State Diagrams
- Navigational Path and Mockups
- Improvement Summary

Design Report

- Some Design Goals
- Subsystem Decomposition
- Deployment Diagram
- Hardware/Software Mapping
- Explanations of Packages
- Explanation of Some Class Interfaces
- Improvement Summary

Implementation

- Frontend
- Testing
- Some of the API Connections

Mert Atakan Onrat

Analysis Report

- Some Functional Requirements
- Some Nonfunctional Requirements
- Activity Diagrams
- Textual Activity Diagrams
- Some Object and Class models
- Improvement Summary

Design Report

- Some Design Goals
- Access Control and Security
- Object Design Trade-offs
- Some Final Object Designs
- Some Class Diagrams
- Design Patterns

- Explanation of Some Class Interfaces
- Improvement Summary

Implementation

- Backend

6. Status of Implementation

Finished

- Login and Signup
- Profile
- Explore
- Followings
- Upcoming Events by All Student Clubs
- Event History by All Student Clubs
- Event Tracker
- Leaderboard
- Club Profile
- Organize Event
- Event Result
- Rank Board Member
- OEM Login
- OEM Main

In Progress

- Upcoming Events by Following Student Clubs
- Event History by Following Student Clubs
- Campus Map
- UI for Club Advisor