

CS102

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1A

~VOYN~

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Criteria	TA/Grader	Instructor
Presentation		
Overall		

UI DESIGN REPORT

(version 2.0)

27 April 2024

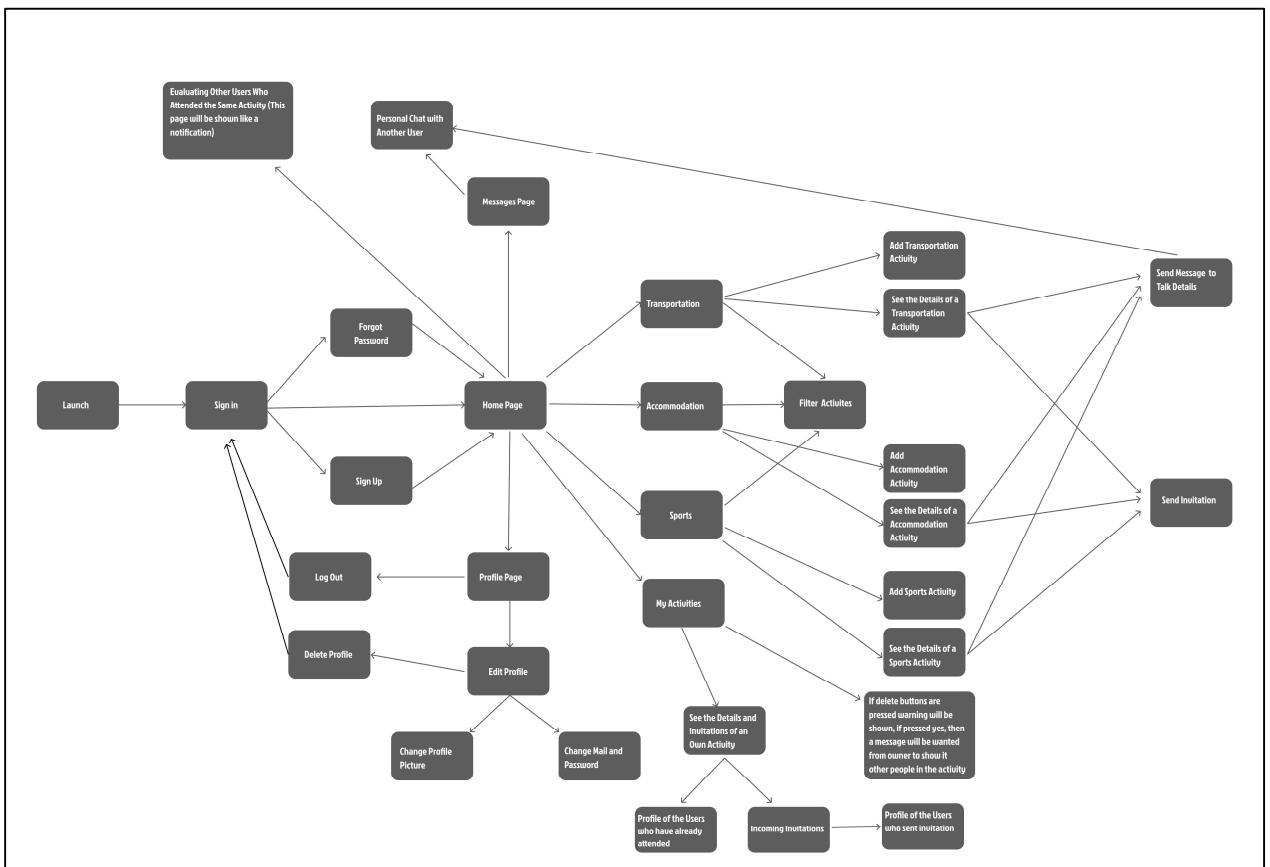
1. Introduction

Graphical user interfaces are extremely important these days for all applications that serve users. Especially for an Android application, it has much more importance. We know that the success of our application will rely on the user interface of it. Therefore, VOYN, an Android application that simplifies the process of finding like-minded individuals, will have a user interface that is suitable for our target users which are university students. Voyn will be easy to use so that everyone can figure it out with almost no effort, will be efficient that it will require few interactions, and will be minimalist. Voyn's graphical user interface is specifically designed for its features in the most convenient way that using it is easier than most other applications that have similar purposes. When designing these templates, we used the web-based designing application Figma ¹and we created more than one option for every page of Voyn, then we decided on the best ones that attract user attention, that are efficient and are easy to understand for everyone.

¹ “Figma” <https://www.figma.com/> (accessed April 2, 2024).

2. Details

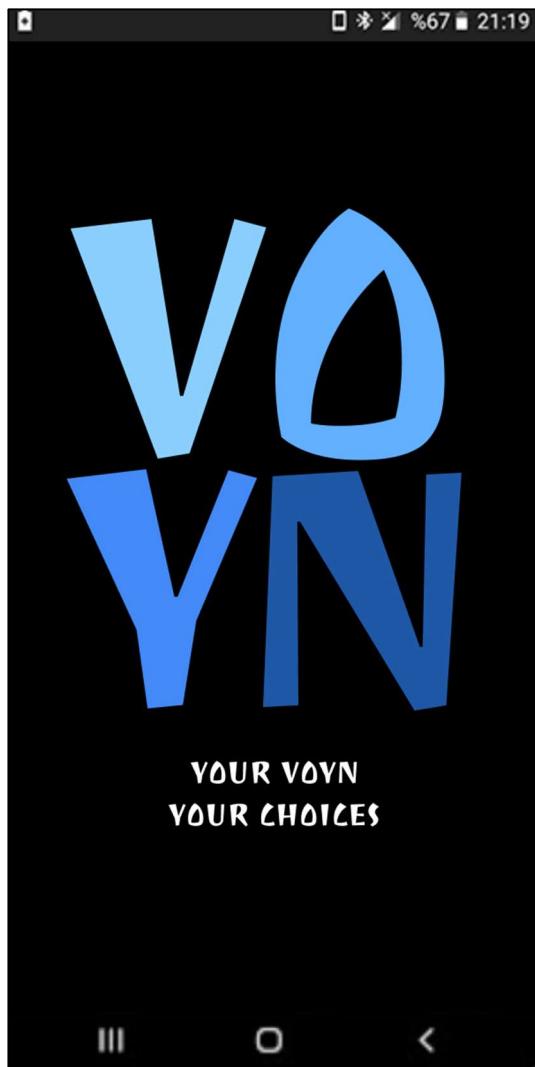
2.1 Sitemap



2.2 Entrance Pages

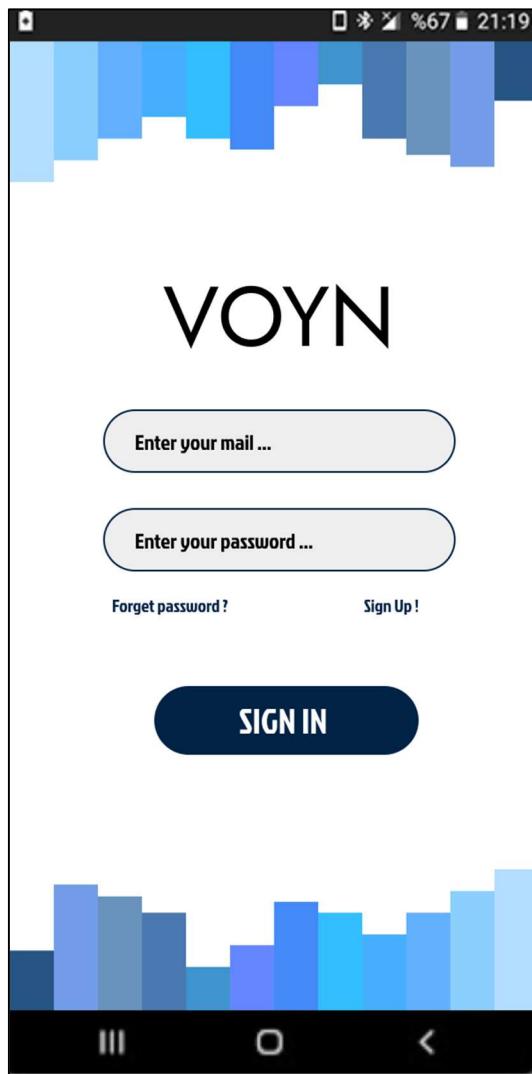
These pages serve to verify user login status. If logged in, the user is redirected to the Main Activity. Unless, users can sign in, sign up, or if they forgot their password they can sign in by receiving an email. Except for the launch page, other pages will not be shown to the user if they have already signed in.

2.2.1 Launch Pages



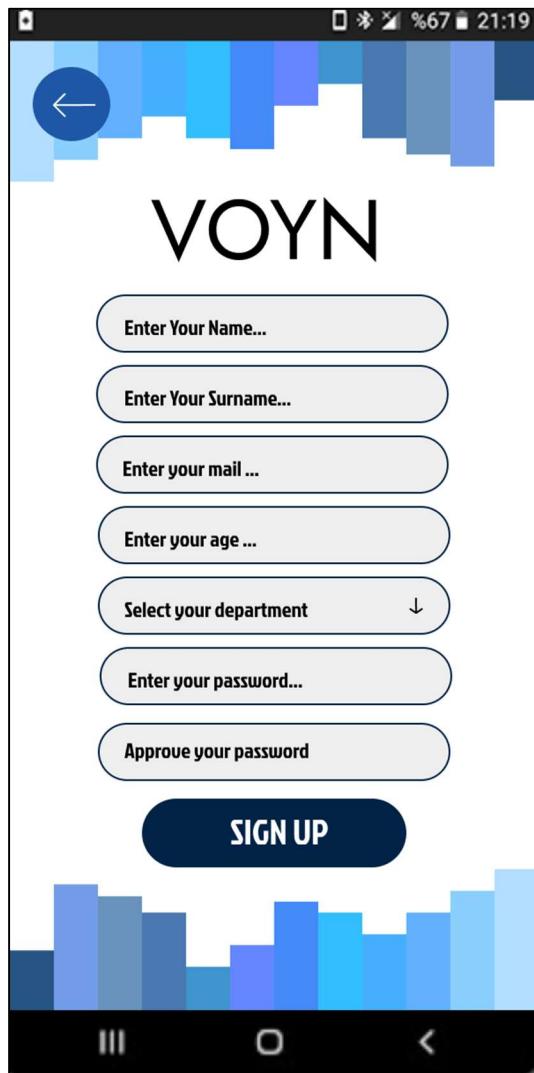
When the users enter the application, they will see the launch page. While the user is viewing this page, the application will perform some background functions to check whether the user is already logged in. If the user is logged in, they will be automatically redirected to the Main Activity. However, if the user is not already logged in, they will be given options to sign in or sign up.

2.2.2 Sign In Page



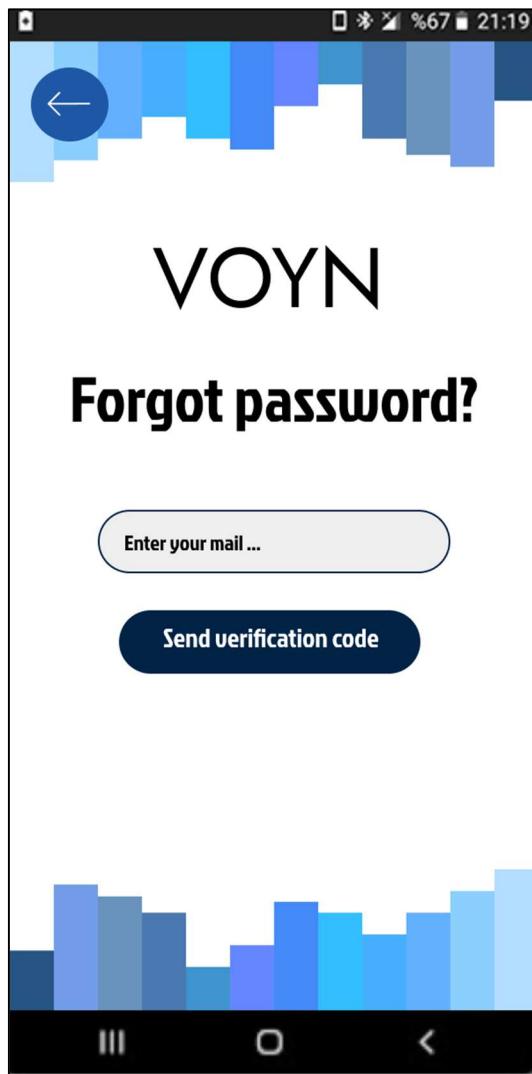
This page requires the user to provide their email address and password. If the user is not yet registered, they can click on the Sign-Up button to be redirected to the registration page. Once logged in, the user may access the Main Page by correctly entering their email address and password. In case the user has forgotten their password or entered an incorrect password, they can click on the "Forgot Password?" button to reset their password.

2.2.3 Sign Up Page



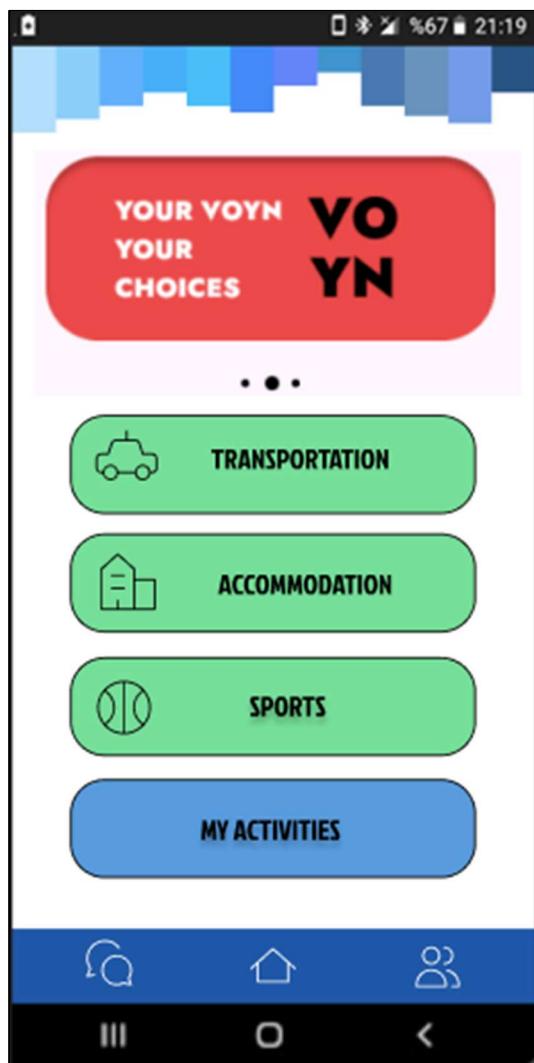
On the Registration page, the user will be asked to provide their name and surname, email address, password, age, department, and gender. If the provided credentials are valid (i.e., a valid email or the password matching), the system will create an account with the given information. Upon registration, users will be directed to the Sign-In page where they will need to input their email and password once again to log in to their new account.

2.2.4 Forgot Password Page



When a user selects the "Forgot Password?" option, they will be redirected to the "Forgot Password" page. On this page, they will need to enter their email address. If the user clicks on the "Send Verification Code" button, the application will check whether there is an account associated with that email. If there is no account linked to that email, the application will notify the user. However, if there is an account connected to that email, the system will automatically send a verification code to the email address provided. After clicking on the link provided, the user will have the chance to change their password.

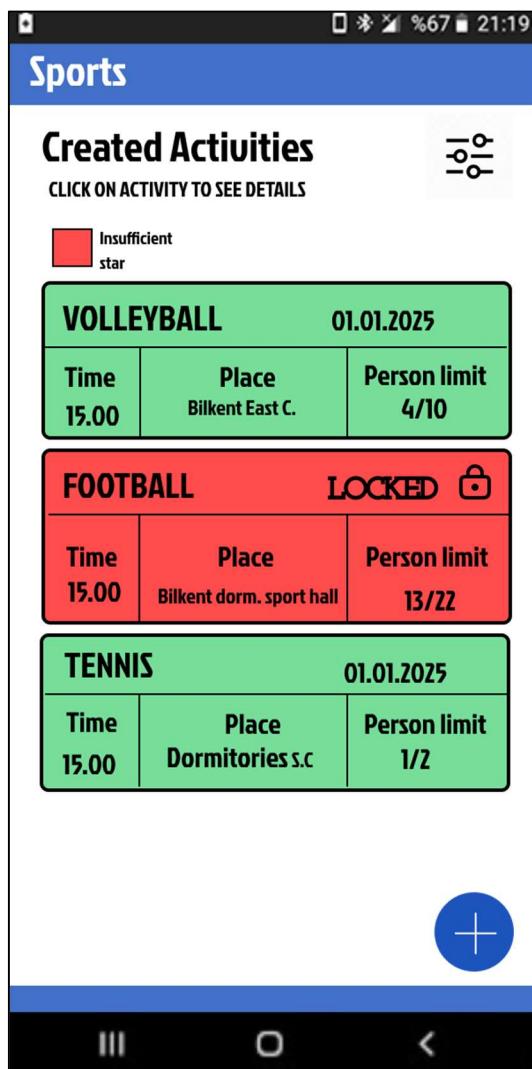
2.3 Main Page



The main page is the first page that users will see when they log in to the application. The main purpose of this page is to provide access to current events by pressing the Transportation, Accommodation, and Sports buttons. Additionally, users can press the My Activities button to view the events they created, will attend, and past activities. The chat page, main page, and profile page can be accessed by clicking on the icons below. Additionally, at the top of the main page, there will be a flow of advertisements which can be a revenue source for creators. The ads do not impact the user's experience as the application retains its full functionality while the ads are displayed.

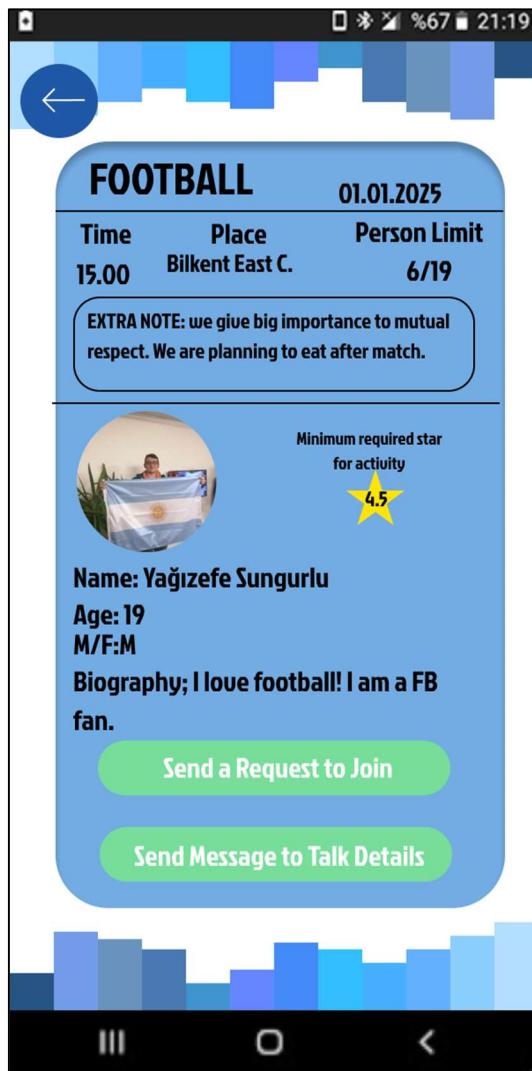
2.4 Sports Pages

2.4.1 Sport Activities Page



After selecting the activity type as Sports, this page is going to come to the screen. You will be able to see pre-opened activities and filter them by pressing the filter icon. If the activity requires a higher star rate than our personal one, it will appear in red color and will be locked for us. Otherwise, we can choose from the green activities or create a new activity by pressing the "+" button. Main details about activities like time, place, current number of people, and limit number of people attending can be seen on this page.

2.4.2 Sports Activity Details Page



After pressing an activity from the sports activities page, this page will come to the screen. On this screen, you will be able to see all the details of the activity rather than just the main ones. You can even see who has created this activity and its profile information. At the end of the page, there are two buttons. One of them sends a request to the owner to join the activity. The other one leads you to chat with the owner to talk about the details of the activity. To exit from this page you can press the back button and go back to the previous page.

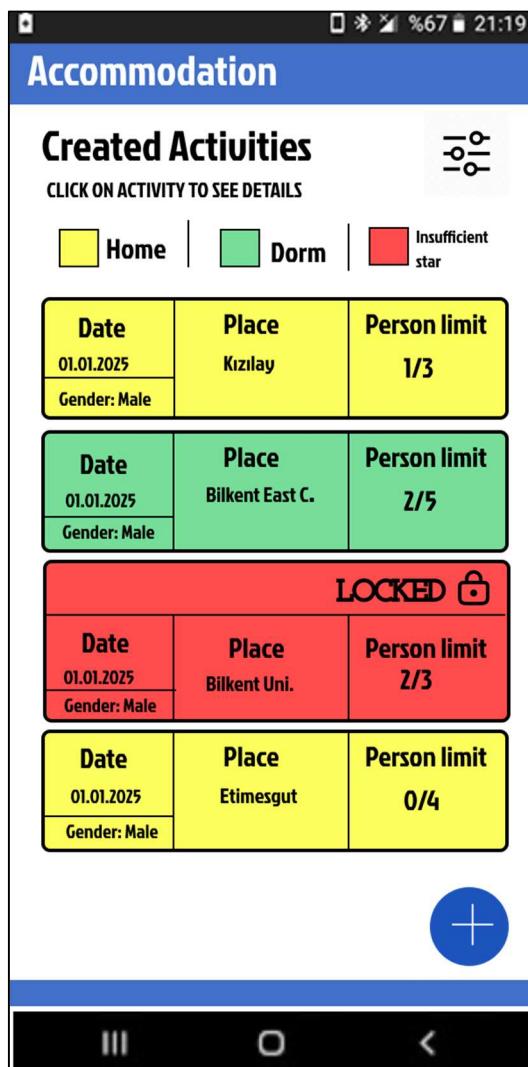
2.4.3 Sport Opening Page



After pressing the "+" button on the sports activities page, this page will come to the screen. You will add details about the activity you are planning. Details have to include these: type, place, date, time, and number of players. Moreover, you can add any information by writing them to the extra notes part. At the end of the page, there are two buttons. The open activity button creates the activity, cancel button does nothing. After the buttons are pressed, the screen turns back to the sports activities page and if you have pressed open activity, your activity will be added to the list.

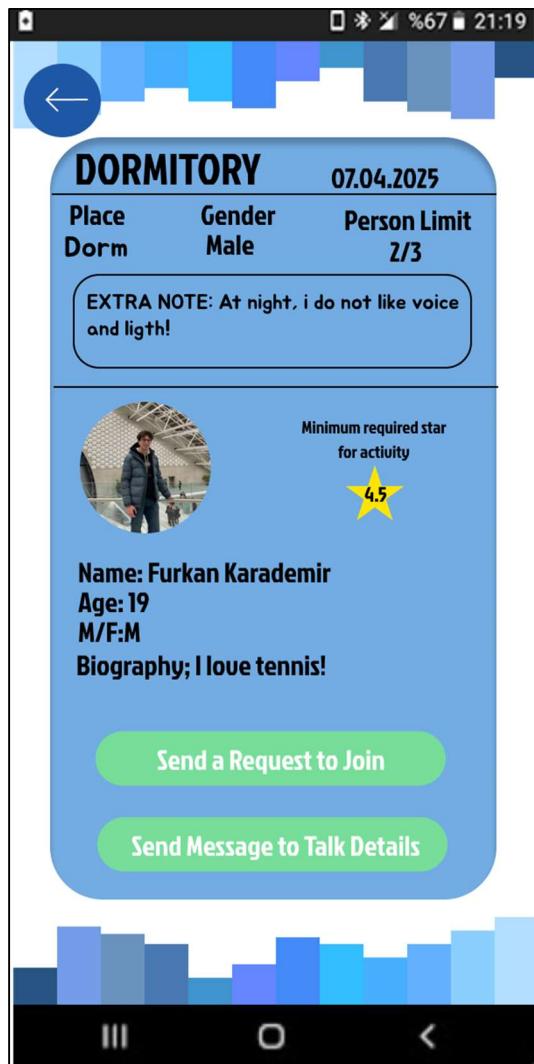
2.5 Accommodation Pages

2.5.1 Accommodation Activities Page



After selecting the activity type as Accommodation, this page is going to come to the screen. You will be able to see pre-opened activities and filter them by pressing the filter icon. If an activity requires a higher star rate than our personal one, it will appear in red color and will be locked for us. Dorms will be seen in green and homes will be seen in yellow. You can either choose from green and yellow ones or create a new one by pressing the "+" button. Main details about accommodation activities such as date, gender, place, current number of people, and limit number of people attending can be seen on this page.

2.5.2 Accommodation Activity Details Page



After pressing an activity from the accommodation activities page, this page will come to the screen. On this screen, you will be able to see all the details of the activity rather than just the main ones. You can even see who has created this activity and its profile information. At the end of the page, there are two buttons. One of them sends a request to the owner to join the activity. The other one leads you to chat with the owner to talk about the details of the activity. To exit from this page you can press the back button and go back to the previous page.

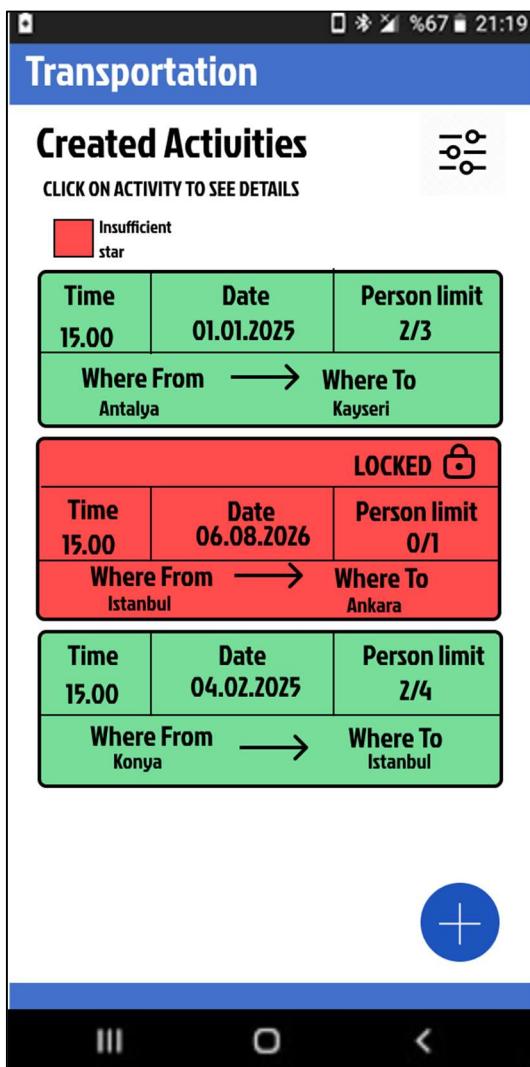
2.5.3 Accommodation Opening Page



After pressing the "+" button on the accommodation activities page, this page will come to the screen. You will add details about the activity you are planning. Details have to include these: type, place, date, gender, and number of inhabitants. Moreover, you can add any information by writing them to the extra notes part. At the end of the page, there are two buttons. The open activity button creates the activity, cancel button does nothing. After the button is pressed screen turns back to the sports activities page and if you have pressed open activity, your activity will be added to the list.

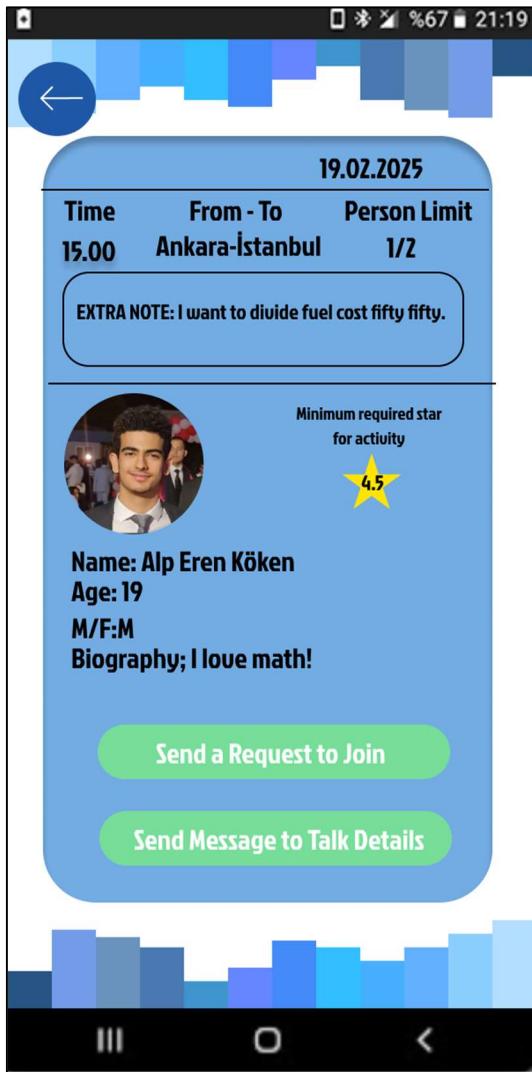
2.6 Transportation Pages

2.6.1 Transportation Activities Page



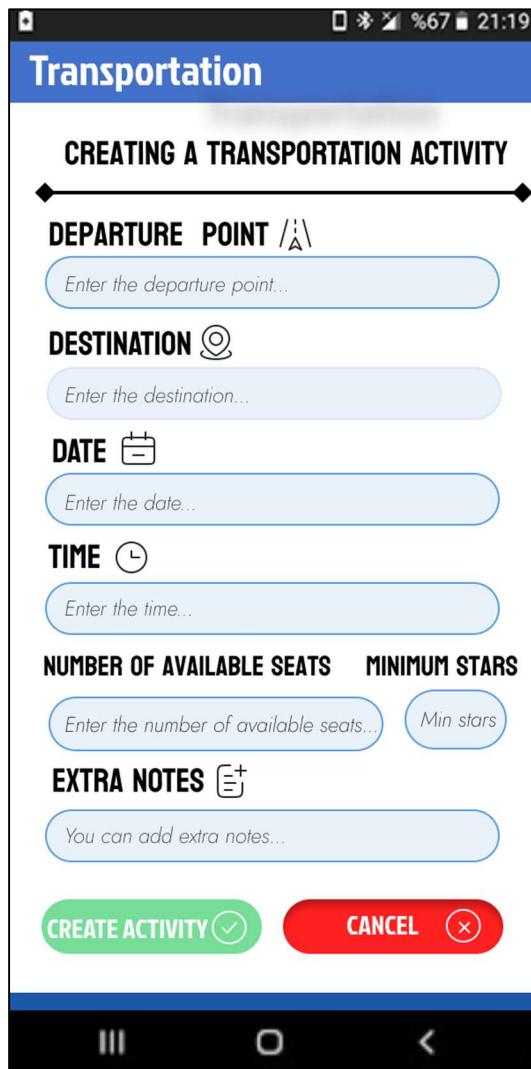
After selecting the activity type as Transportation, this page is going to come to the screen. You will be able to see pre-opened travels and filter them by pressing the filter icon. If the travel requires a higher star rate than our personal one, it will appear in red color and will be locked for us. Otherwise, we can choose from the green activities or create a new travel by pressing the "+" button. Main details about travels like time, date, starting location, ending location, current number of people, and limit number of people attending can be seen from this page.

2.6.2 Transportation Activity Details Page



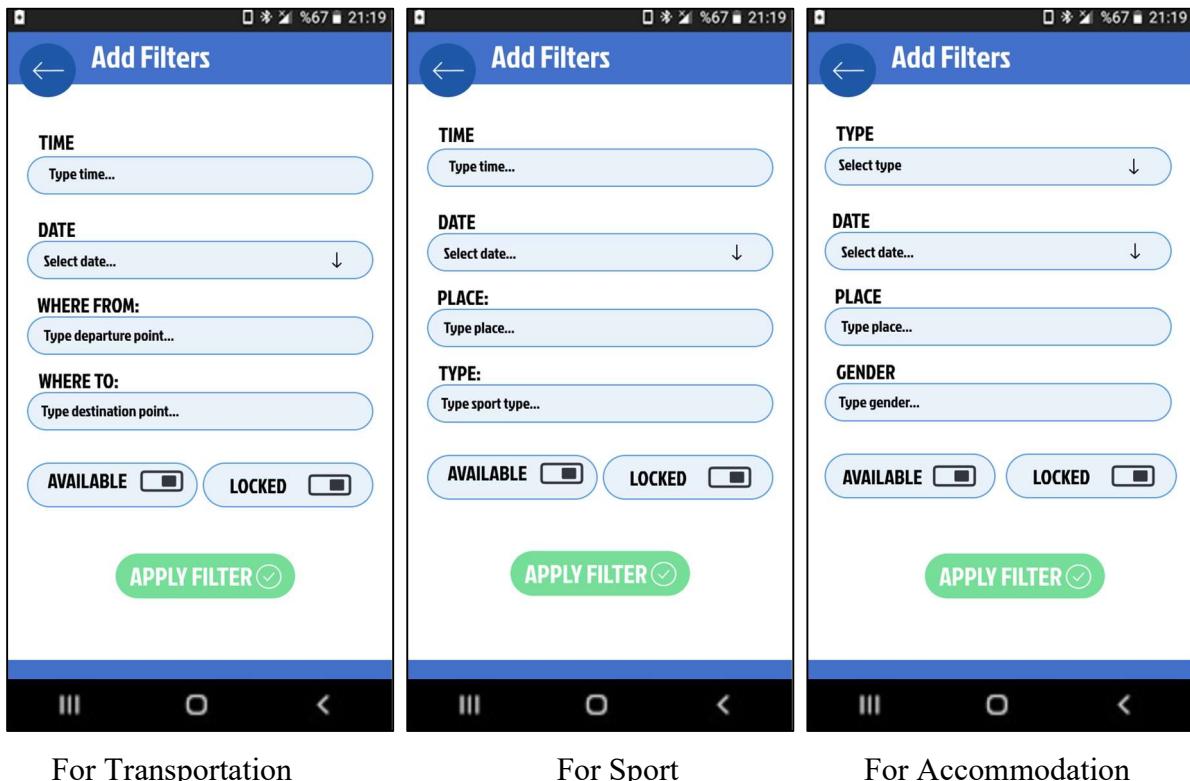
After pressing an activity from the transportation activities page, this page will come to the screen. On this screen, you will be able to see all the details of the activity rather than just the main ones. You can even see who has created this activity and its profile information. At the end of the page, there are two buttons. One of them sends a request to the owner to join the activity. The other one leads you to chat with the owner to talk about the details of the activity. To exit from this page you can press the back button and go back to the previous page.

2.6.3 Transportation Opening Page



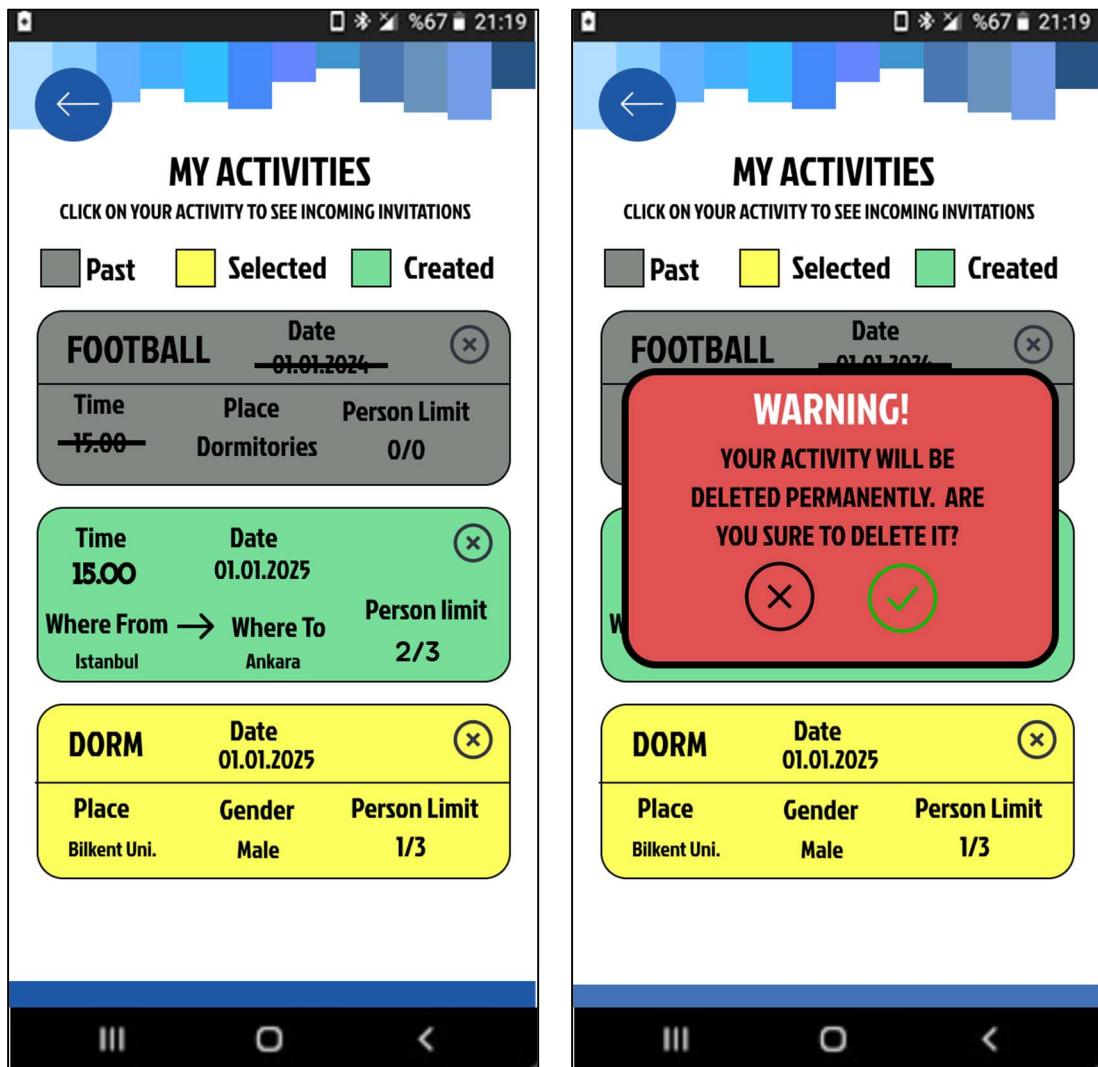
After pressing the "+" button on the transportation activities page, this page will come to the screen. You will add details about the activity you are planning. Details have to include these: departure point, destination, date, time, and number of available seats. Moreover, you can add any information by writing them to the extra notes part. At the end of the page, there are two buttons. The open activity button creates the activity, cancel button does nothing. After the button is pressed screen turns back to the sports activities page and if you have pressed open activity, your activity will be added to the list.

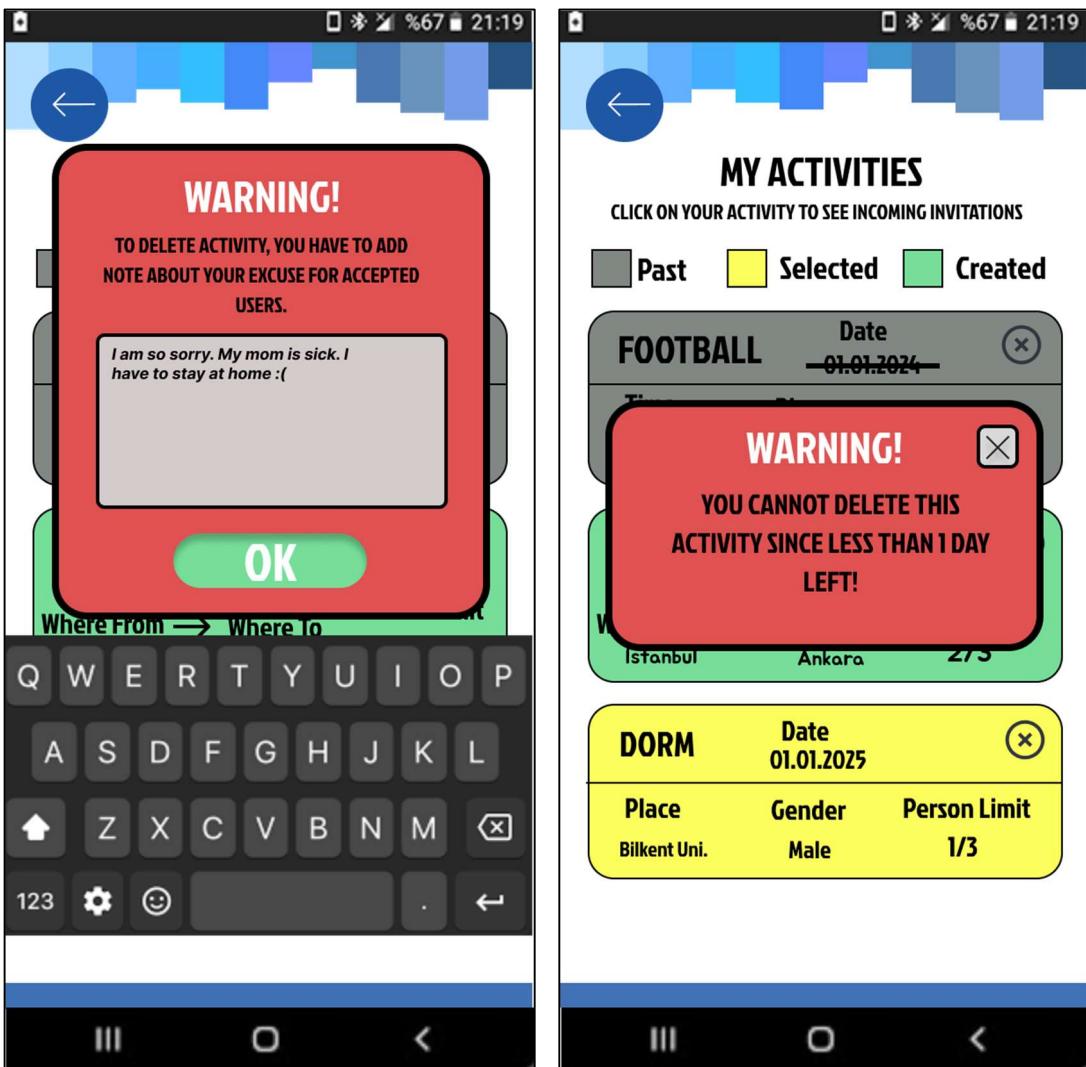
2.7 Filtering Page



After pressing filtering icons in the sports activities, accommodation activities, or transportation activities, these pages come to the screen. In this screen, there are filtering options like date, availability, lock, and different details for transportation, accommodation, and sport. You can see only available activities, only locked ones, or both by turning on or off buttons of availability and locked options. Finally, you can type the type of the activity you want to see. After pressing the apply filter, the list of activities will be changed according to the chosen options. Every time users re-open the app or re-open the activities pages filter will be removed in order to prevent users from forgetting the filter they applied in the past. To exit from this page you can press the back button and go back to the previous page.s

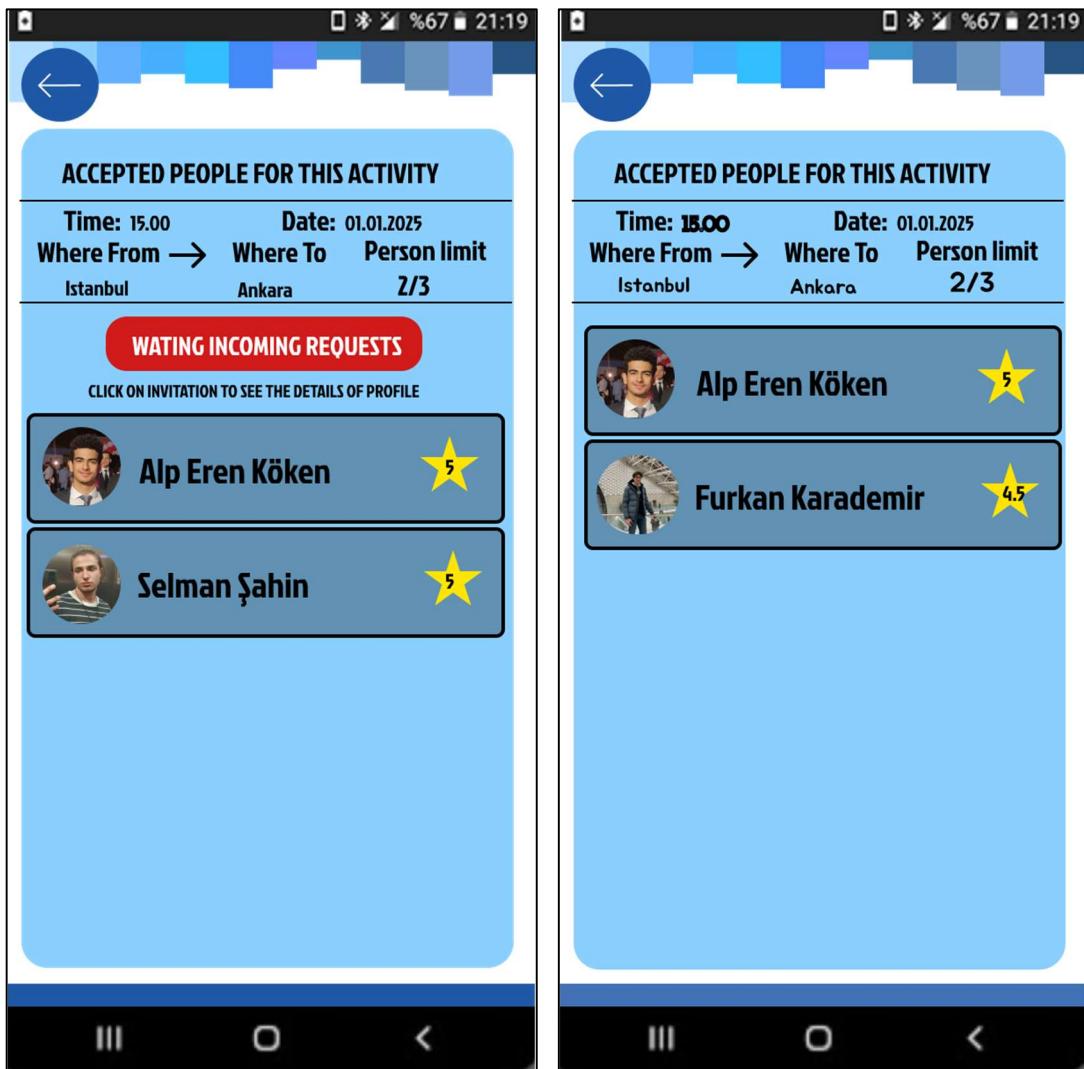
2.8 My Activities Pages





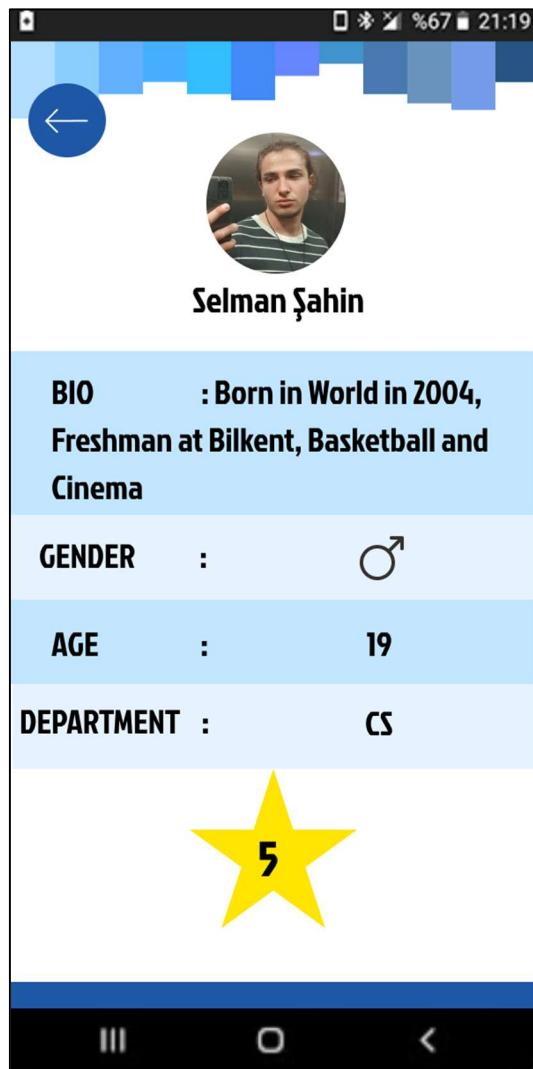
Users can access a page where they can view their events, including upcoming events they created or are attending, as well as past activities. Each event is displayed in an activity box with details such as the date, time, and person limit. If the user presses their own activity, they can see the details. If the user wants to delete an event, they can click the cross icon on the top right corner of the activity box. However, before deleting an event, the application will warn the user that the deletion will be permanent and provide two options to confirm whether they want to delete it or not. If the user still wants to delete the activity, they will need to add an excuse note, which will be displayed to others who were planning to attend. Users can also quit an activity by going through the same process. Note that if an activity is less than a day away, users won't be able to quit it.

2.8.1 Details of Activities That the User Created



After pressing on an activity either the user attended or created, the user will see the details of the activity. All information about the activity will be on the top and on the bottom other users who have already attended to that activity will be shown. If the user who is looking at the details is the creator of that activity, a button to see waiting incoming requests will be shown. To exit from this page you can press the back button and go back to the previous page.

2.8.2 Profile Viewing Page



After pressing on the profiles in the detail of an own activity or on the incoming invitations page, this page will come to the screen. All of the profile information can be seen on this page including username, Surname, biography, gender, age, department, and star rate. To exit from this page you can press the back button and go back to the previous page.

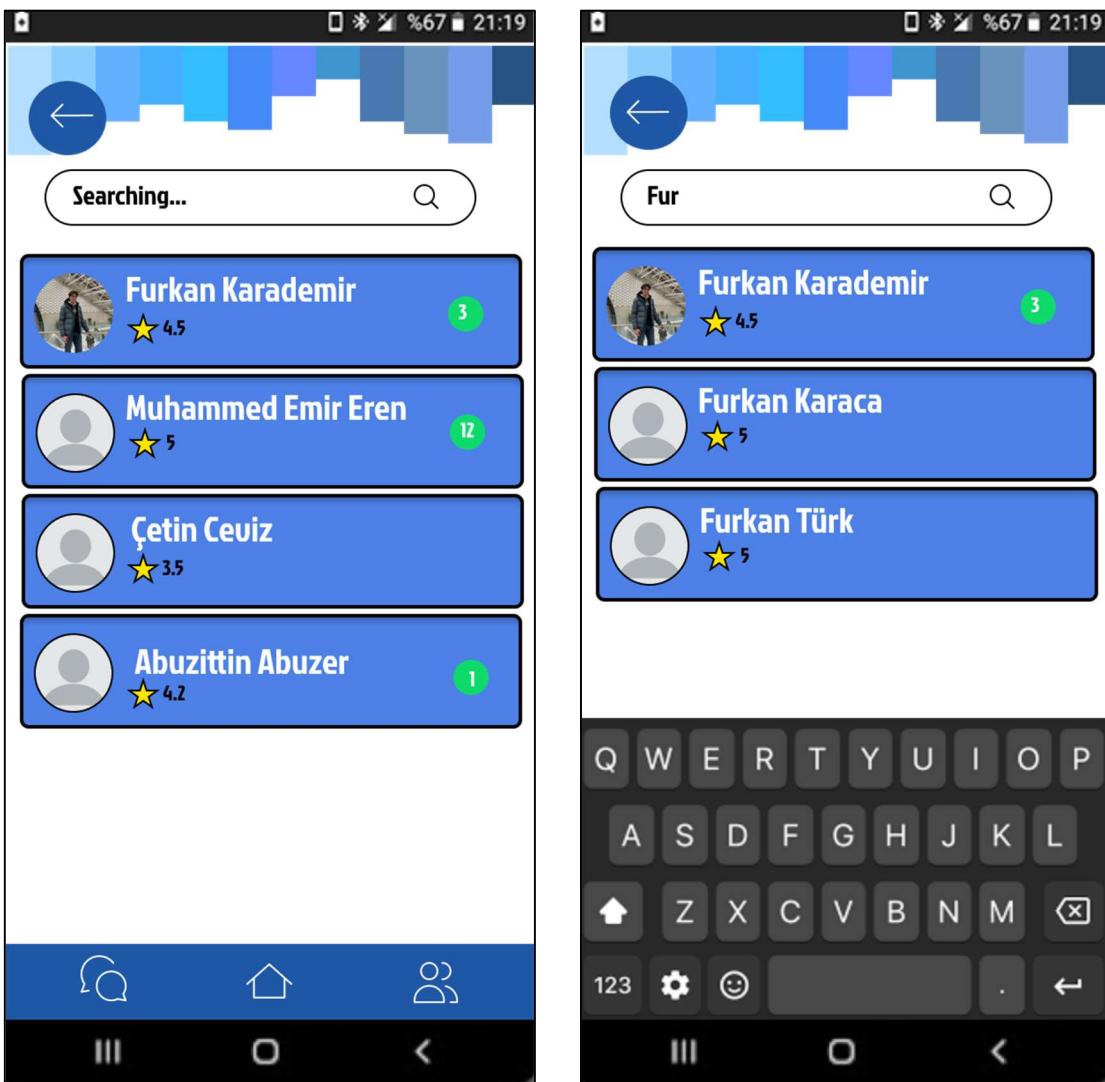
2.8.3 Incoming Requests Page



After pressing the incoming invitations button in the details of an own activity this page will come to the screen for each activity. On this page, we will be able to see requests those come to our activities and accept or decline them. Profile names and star rates of the people who sent invitations can be seen on this page. If the user wants to see their whole profile, the user can press on them. To exit from this page, you can press the back button and go back to the previous page.

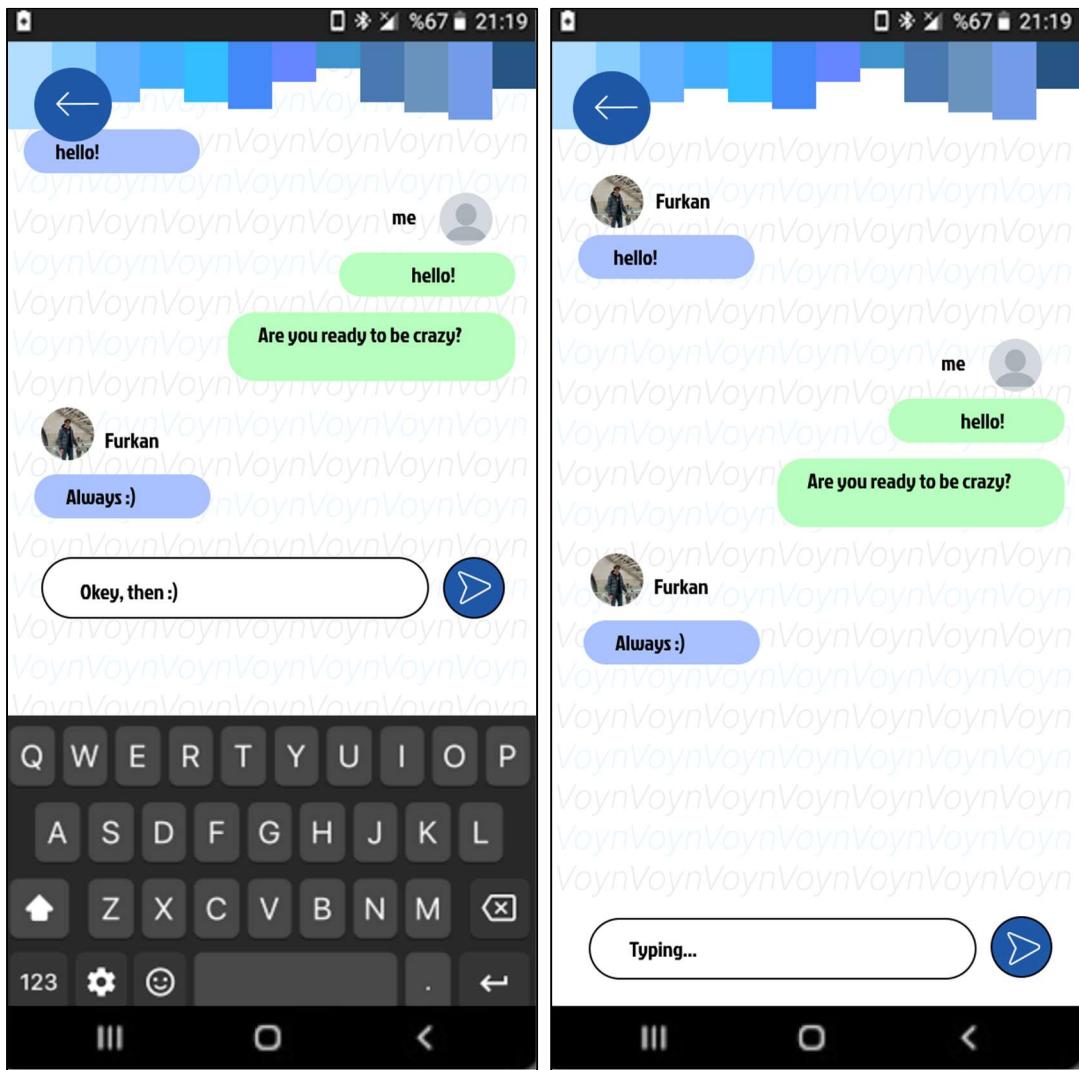
2.9 Chat

2.9.1 Chat List Page



When users click on the chat icon located at the bottom of most pages, they will be directed to a page that displays their recent conversations. On this page, users can see the names of other users they have chatted with and view their stars in conversation boxes. If they have received messages from other users, a green icon will appear on the right side of the conversation boxes, indicating the number of unseen messages. To access previous conversations, users can simply scroll down the page. The search bar at the top can be used to search for specific names. It's important to note that users can only initiate chats with other users who created an event. To open a chat page with any user, simply click on the conversation boxes.

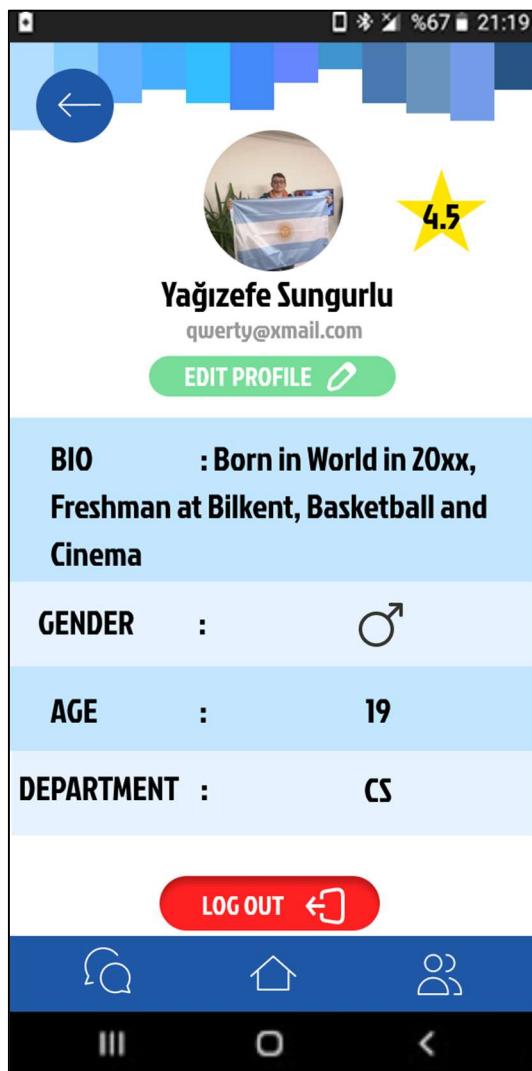
2.9.2 Chatting Page



This page opens up when a user clicks on a conversation box. On this page, users can communicate with the person they want to chat with through the chat feature. The chat feature is meant to facilitate communication between users regarding event details and planning.

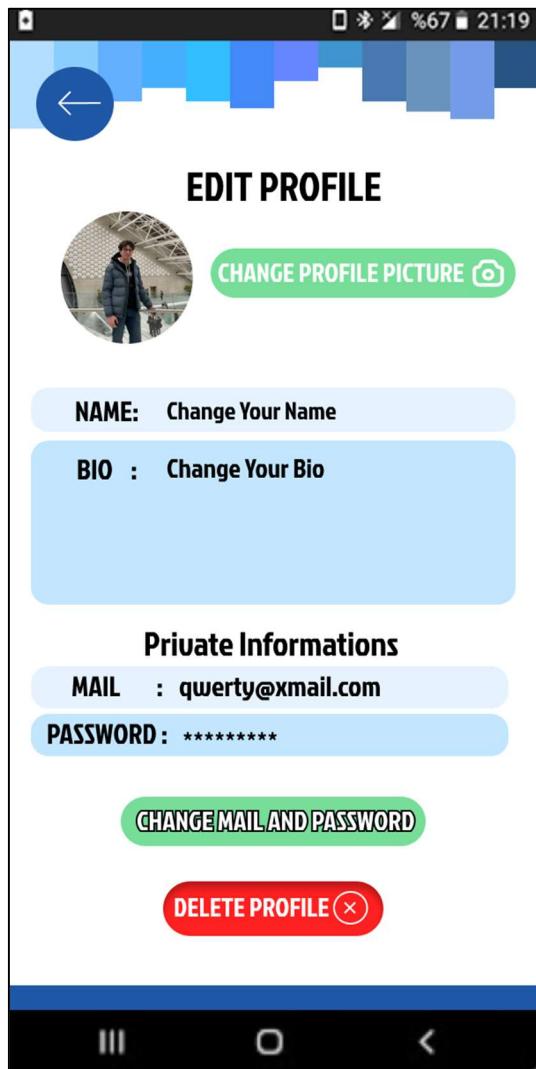
2.10 Profile Pages

2.10.1 Profile Page



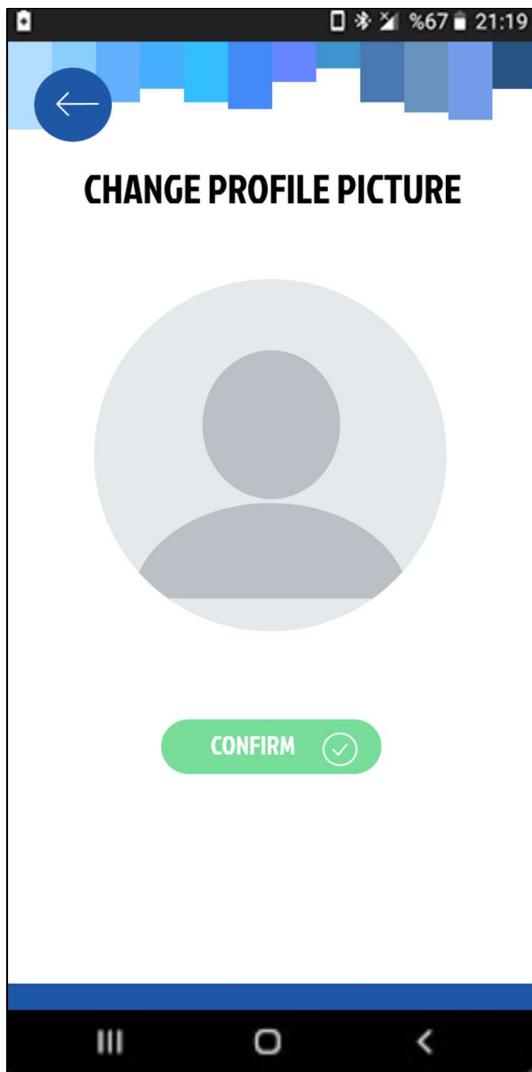
When users click on the profile icon located at the bottom of the main page, they will be directed to a page that displays their profile. This page allows users to view their profile photo, stars, biography, gender, age, and department. If the users click on the Edit Profile button, the Edit Profile page will open. If the users click Logout, they will be signed out of their account and taken back to the Sign In Page.

2.10.2 Edit Profile Page



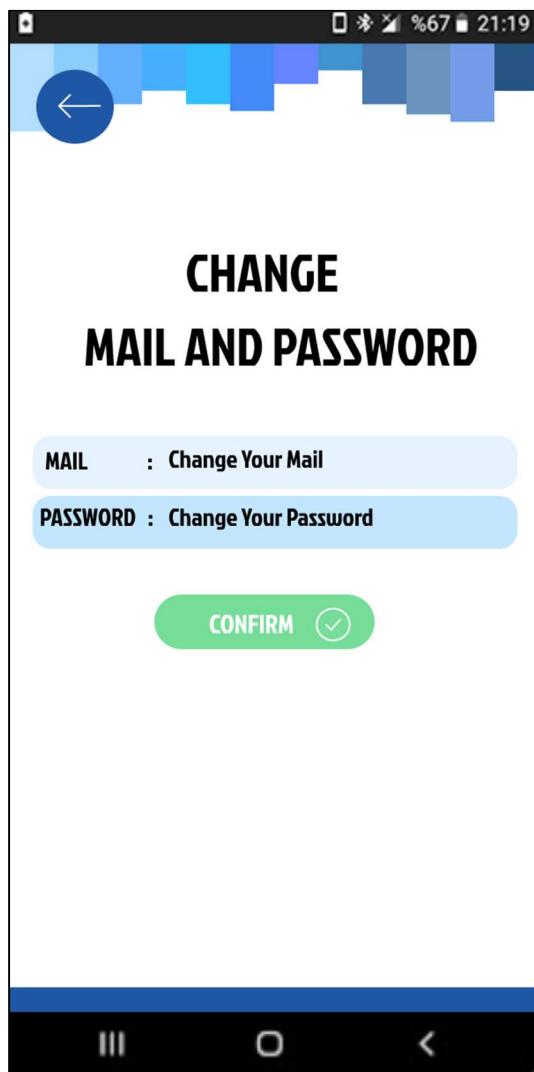
On the edit profile page, users are allowed to change their name and biography. If they click on the Change Profile Picture button, they will be directed to the Changing Profile Picture page. If they click on the Change Mail and Password button, a new page will be opened to change mail and password. If they click on the Delete Profile button the application will warn the user that this action cannot be reversed, if they still want to delete their account, it will be deleted permanently.

2.10.3 Edit Profile Picture Page



Users will be able to change their profile picture on this page. When they click on the picture in the center, the application will request access to their gallery. If users allow the application to access their gallery, they can select a photo, adjust it as their profile photo, and then click Confirm to apply changes. Once they click Confirm, they will be redirected to the Edit Profile Page.

2.10.4 Edit Mail and Password Page



On this page, users will be allowed to change their email address and password. After they click the Confirm button, they will receive an email for the private information change. (If they change email addresses, mail will be sent to the old email address). Once they click Confirm, they will be redirected to the Edit Profile Page.

2.11 Evaluating Page



After pressing a notification that comes to the main page after an attended activity has finished this page comes to the screen. On this page, you can see attended profiles' names and pictures and give a star rating from 1-5. At the end of the screen, there are three buttons. The Ask Me Later button enables you to pass the examination this time and reminds you to evaluate later by notifying on the main page. The Do Not Ask Again button never reminds the user to evaluate one more time even if the user has not rated them. Ok button just saves your answer. After pressing one of these buttons, the main page comes to the screen back.

3. Summary & Conclusions

3.1 Concerns Regarding Voyn's UI Design

We are conscious of the fact that in today's world, how an application is designed is as important as what this app offers as functionality. Hence, in our application, we tried to do our best to design it in a way that users do not encounter anything that makes them confused. That is because we made our design pretty simple-looking and clear to prevent them from getting lost in the app while using. Despite the complexity of our application, we design our pages with a certain logic so that everybody can understand their flow easily in a short time. On the other hand, our major worry about the design of VOYN is that it offers three categories whose scope is so wide. This situation requires our design to contain a lot of information about activity and users. As a result, although the VOYN includes a wide scope in terms of its functionality, we tried to minimize user distraction by designing it as simple and understandable as possible to make it user-friendly.

3.2 Conclusion

In conclusion, VOYN is an innovative Android application that stands out for its unique features. Its main function is to quickly connect individuals with shared goals and interests. The app is designed to be useful for different purposes, allowing users to create new categories, integrate with calendar applications, and generate forms among other things. The VOYN team is committed to fostering a space where everyone can access opportunities effortlessly, ensuring reliability and simplicity in usage, which is significant in our contemporary world. We are confident that VOYN's comprehensive but user-friendly interface will address a current gap in the market, gaining recognition and value from users globally.