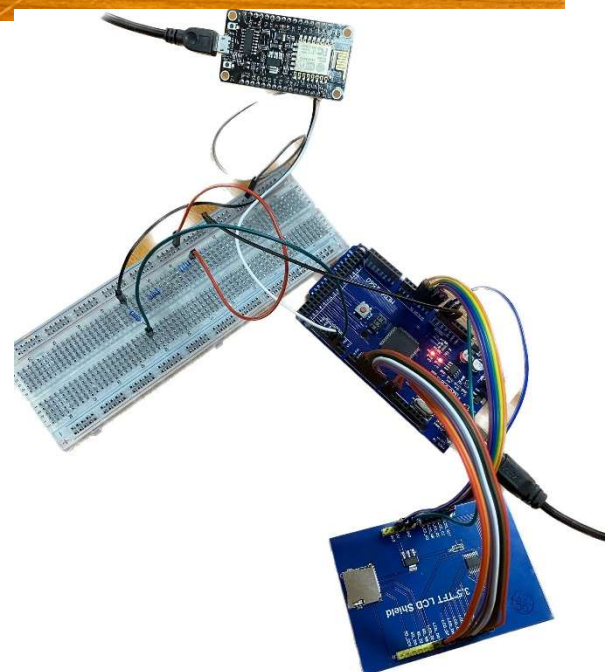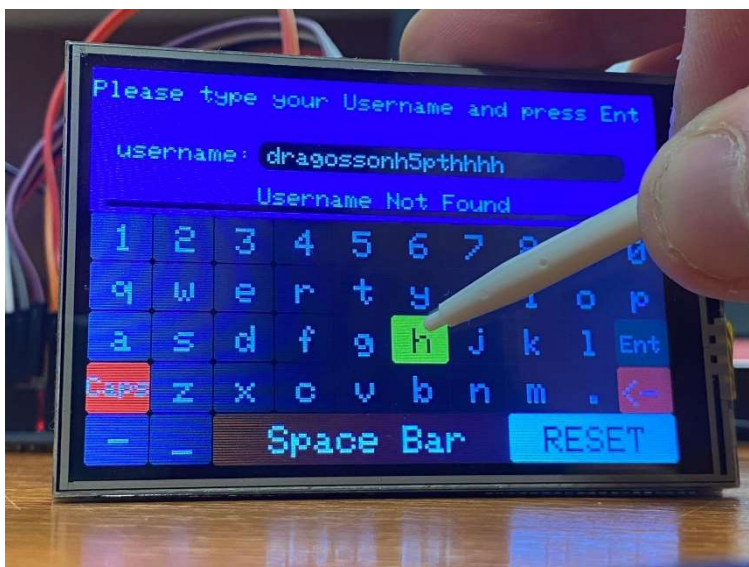# Ciurezu Gheorghe-Dragos – Relevant Projects
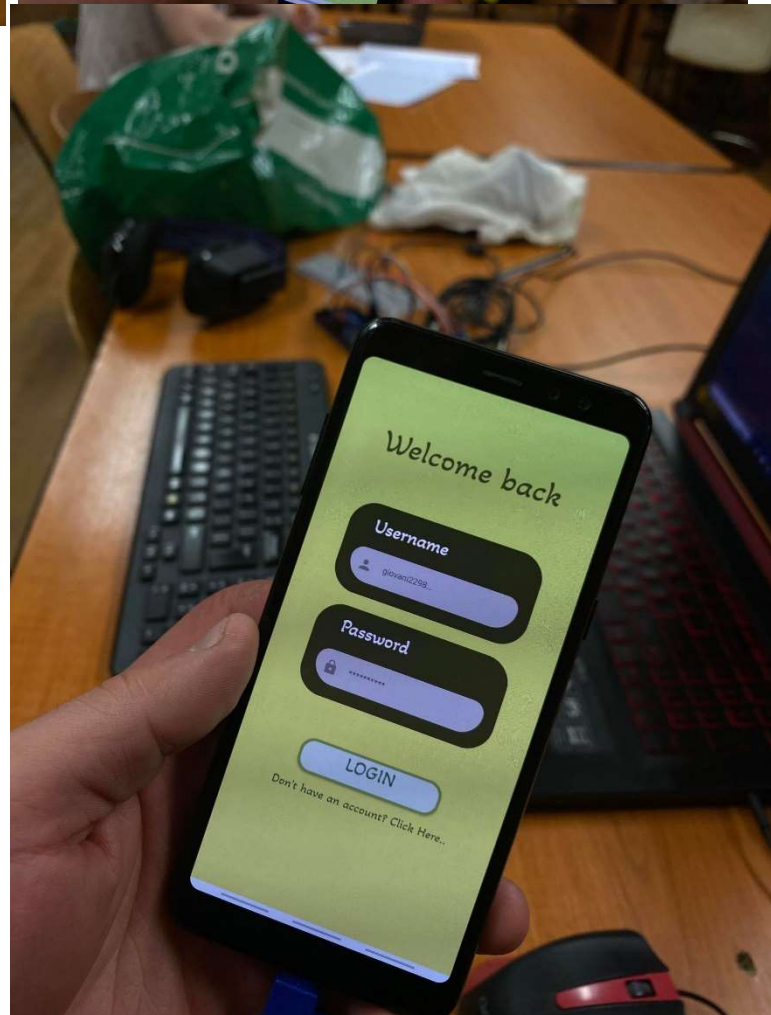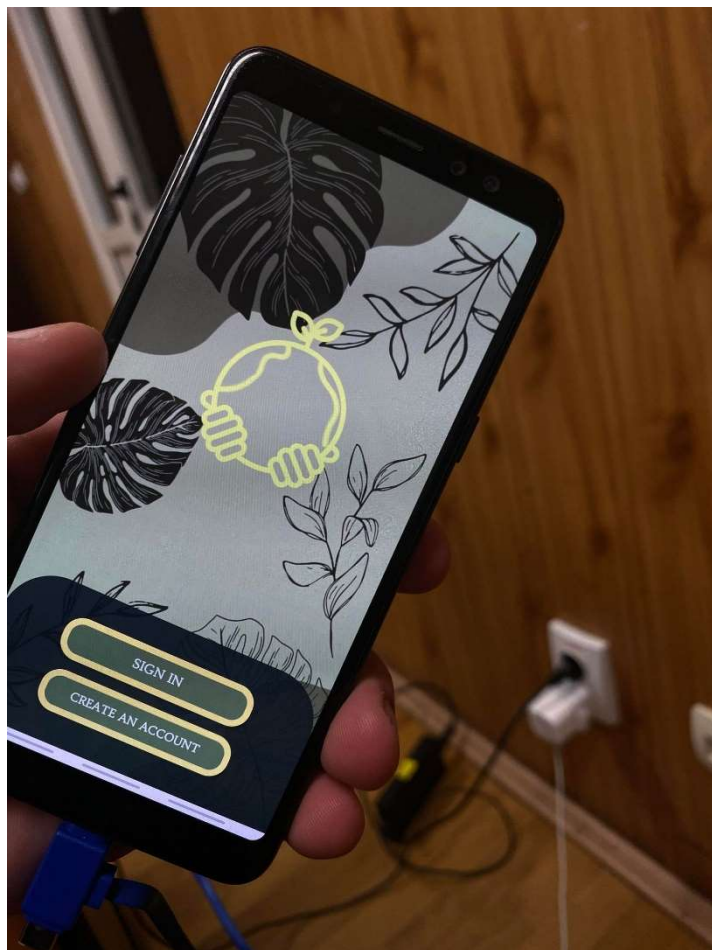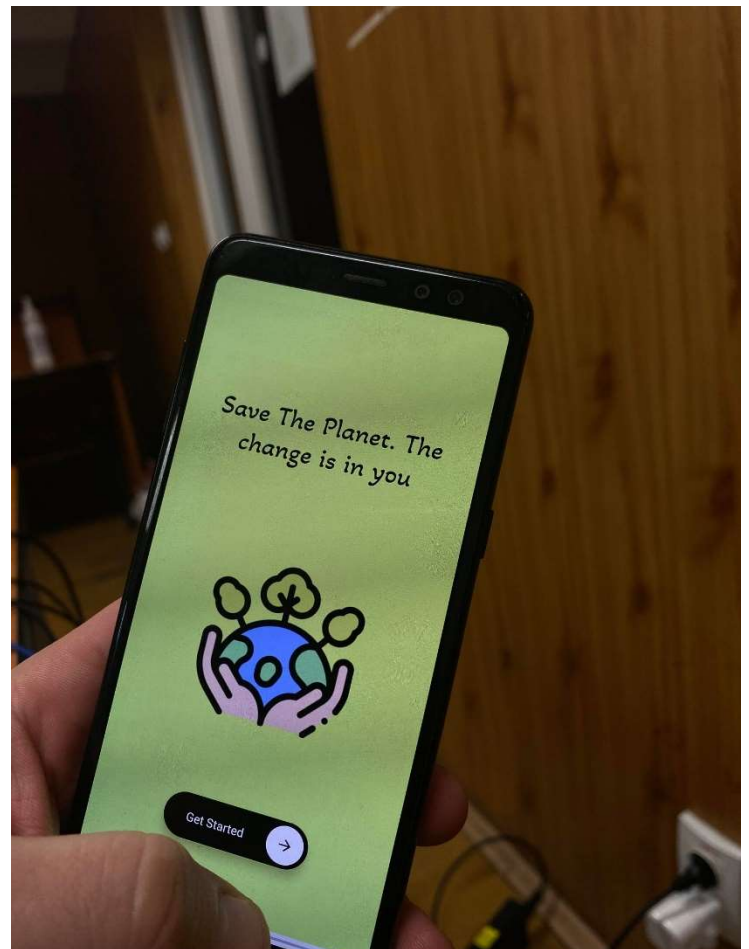
1.(Ongoing Project) GreenLight

This project will employ three programming languages: Spring Boot for creating a REST-API service that provides an endpoint for each application functionality, Kotlin for mobile application development, and React for web application development. Additionally, an Arduino-based application will be used to implement the physical part of the project.

The physical component will involve displaying three objects (metal, paper, and plastic) on a screen. When a user selects one of the objects, they will be prompted to place the object on a conveyor belt. Based on the object selected, it will move to the corresponding box, and the user will receive points in their account.

The mobile and web applications will have similar functionalities. The smart baskets will be displayed on a map, and users can use their points to receive discounts at stores. Additionally, users will be able to add information related to natural disasters.
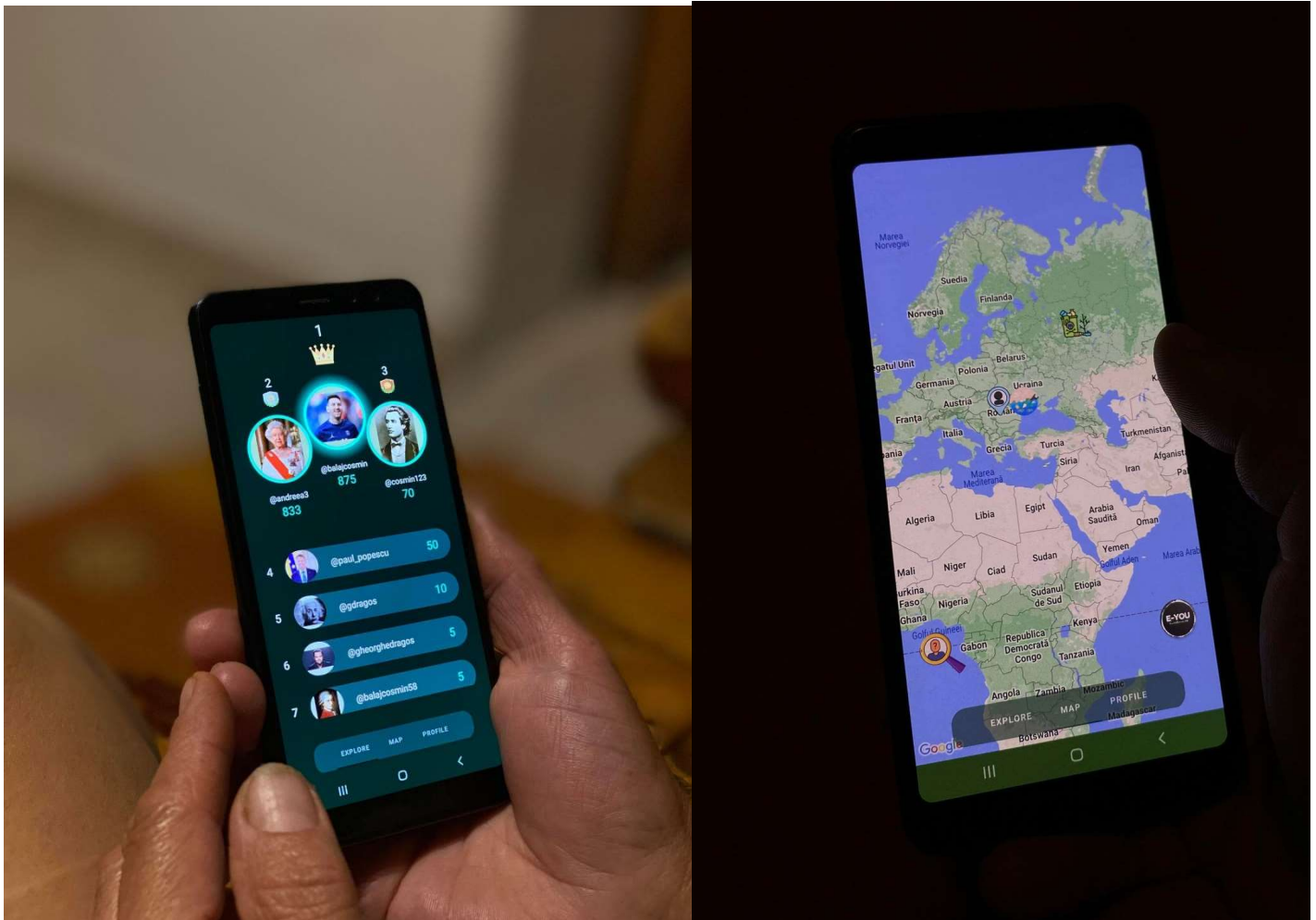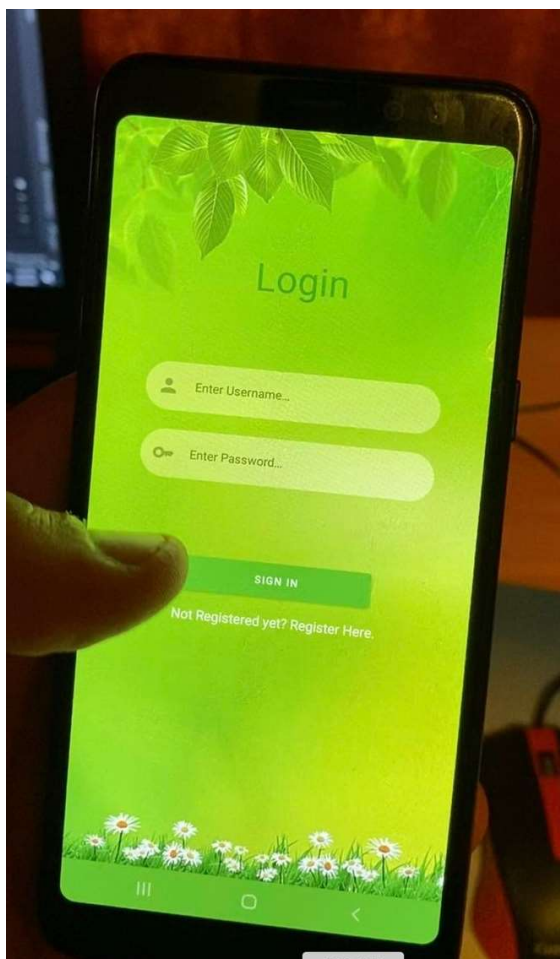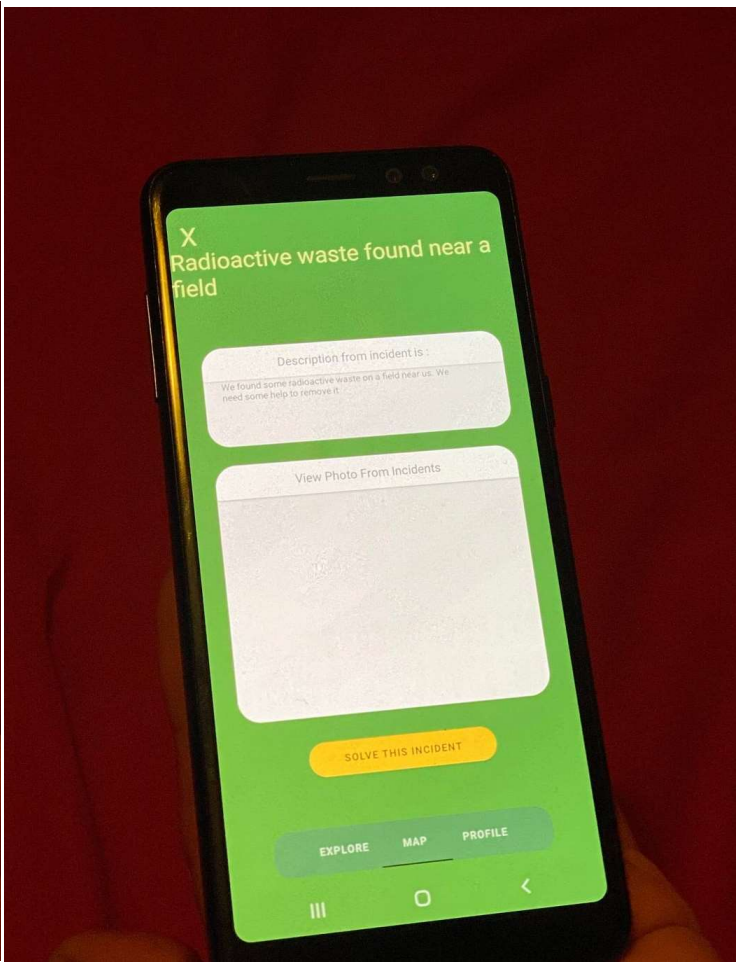
GreenLight

Help nation to save the planet

Save The Planet. The change is in you

Get Started →

SIGN IN

CREATE AN ACCOUNT

Welcome back

Username

giovani2299_

Password

****

LOGIN

Don't have an account? Click Here..

2.E-You APP

In this project, Java was the programming language of choice, along with several libraries such as Retrofit2 for simplified API access, Glide for loading images via a link, and Dagger2 for dependency injection The project's primary objective was to enhance the environment by enabling users to monitor natural disasters in their vicinity through markers displayed on a map. When a user clicks on a marker, they can view any relevant details or images provided by the individual who posted it.

Moreover, other users can aid in resolving the disaster, such as putting out a fire. Once the incident has been resolved, all contributing participants will receive points. These points will be listed on a ranking section visible to all users.

I used MVVM as architecture.

Screen 1 — What happened? Update the map..

X

What happened?
Update the map..

Danger | Hazard

Deforesting spotted!
Fire spotted!
FISHING
Flood
Garbage
Radio Activity

EXPLORE   MAP   PROFILE

Screen 2 — Radioactive waste found near a field

X

Radioactive waste found near a field

Description from incident is :

We found some radioactive waste on a field near us. We need some help to remove it.

View Photo From Incidents

SOLVE THIS INCIDENT

EXPLORE   MAP   PROFILE

Screen 3 — Login

Login

Enter Username...

Enter Password...

SIGN IN

Not Registered yet? Register Here.

Screen 4 — Login (Loading)

Login

gheorghedragos

Loading....

SIGN IN

Not Registered yet? Register Here.

Screen 5 — Add your teammates

X

Add your teammates

Type here.
ddddxyz

+

aa

bbb

UPLOAD PROFILE PICTURE

SOLVE

3. NFT Monitoring APP

This application utilizes node js, react, and react-native programming languages. It is a straightforward application that saves NFT collections and queries them through OpenSea every 15 minutes using a cron job. The additional data obtained is then saved in a MongoDB database.

The mobile application allows users to select an NFT collection for monitoring. Once selected, the app will use a cron job to check the saved price against the current price every minute. If the price drops by 10%, the user will be notified via SMS to a phone number, implemented using the Twilio library.

The web application's primary function is to display and edit data stored in the database.

The design pattern used is model-service-controller.

The server is used to show the endpoints for each functionality
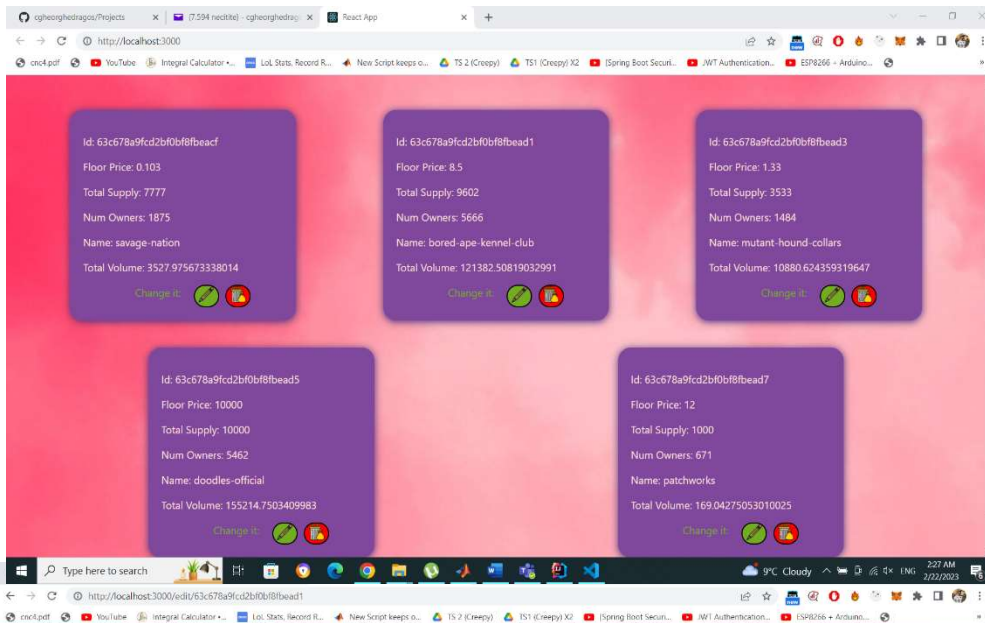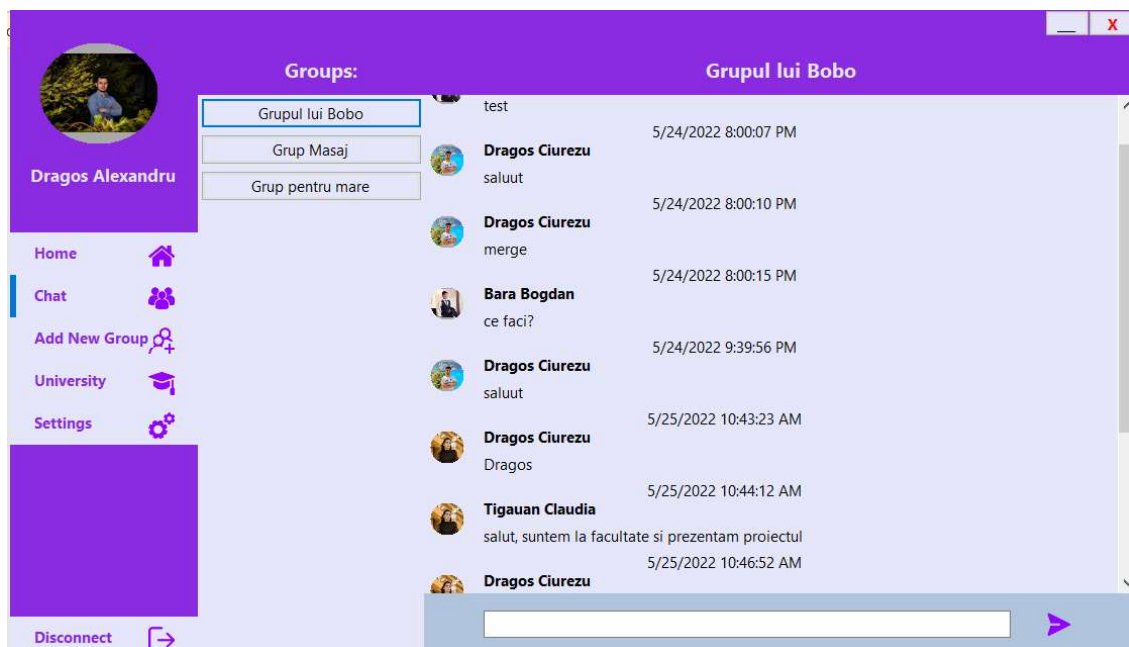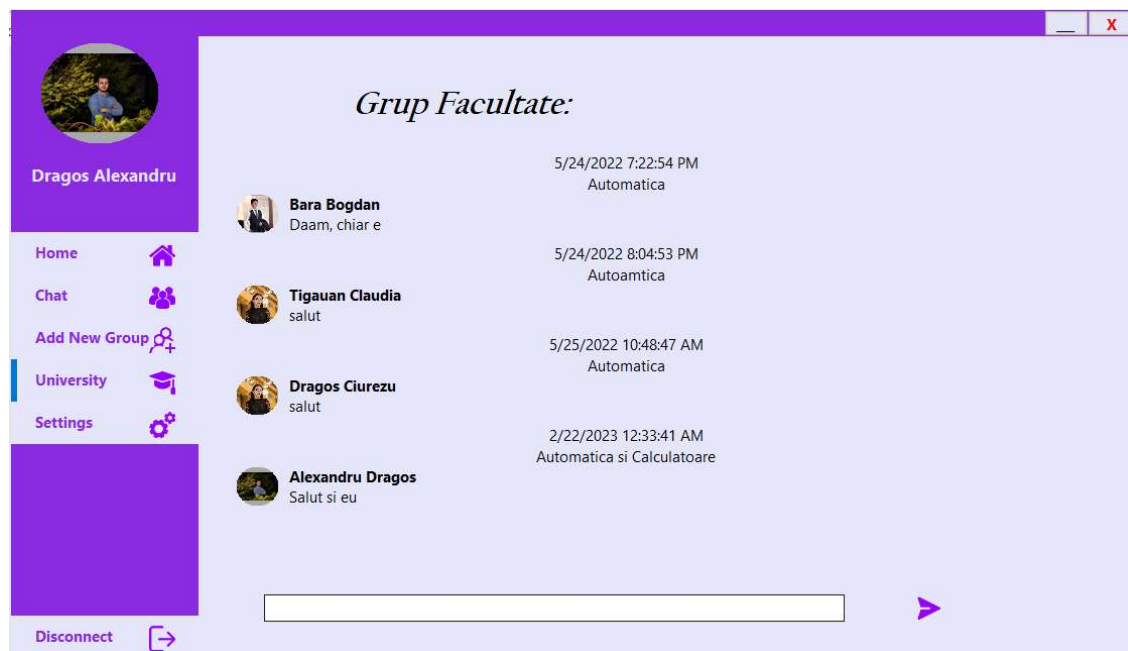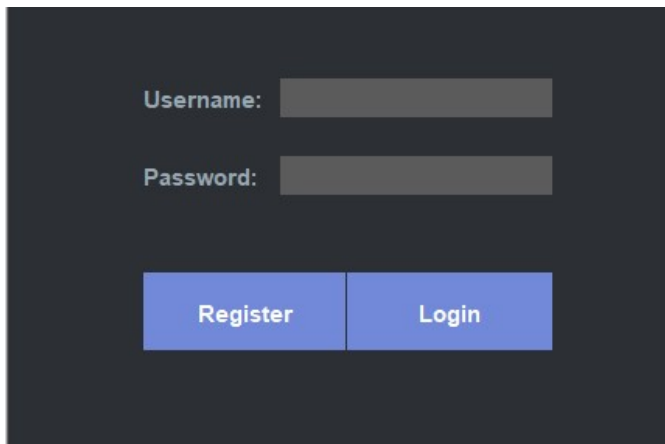
4. BFFinder Chat APP

This application has the role of integrating students into different groups. Each student can create a new group or join an existing one. And to be able to communicate with other students in those groups. C# was used as the programming language. The client sent messages through Sockets to the server, under a packet of bits.
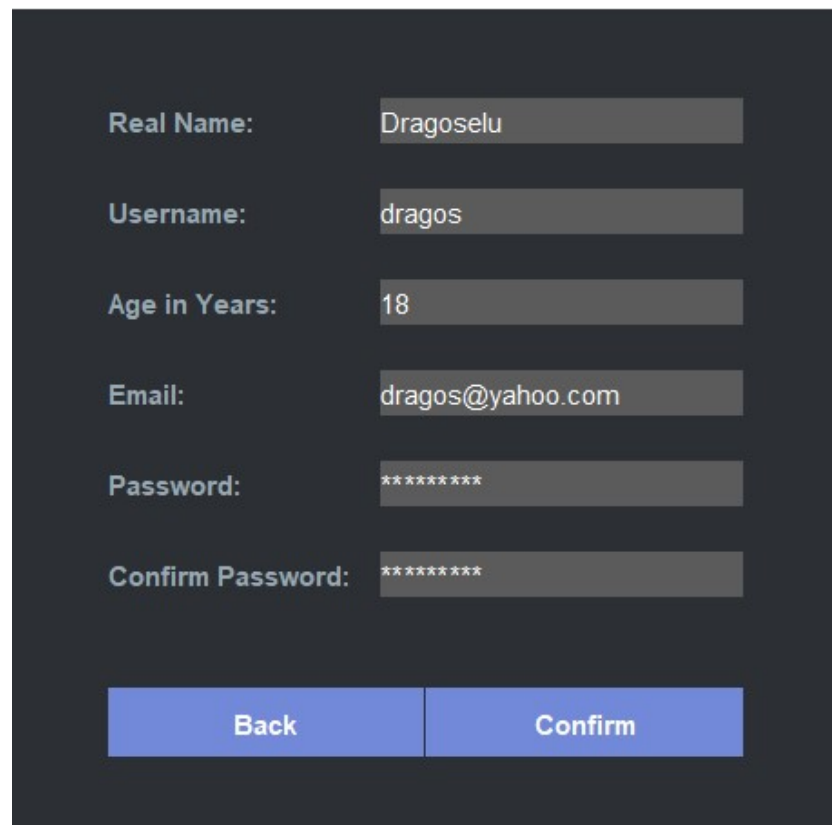
Grup Facultate:

_ X

Dragos Alexandru

Home 🏠
Chat 👥
Add New Group 👤+
University 🎓
Settings ⚙️

Bara Bogdan
Daam, chiar e

5/24/2022 7:22:54 PM
Automatica

5/24/2022 8:04:53 PM
Autoamtica

Tigauan Claudia
salut

5/25/2022 10:48:47 AM
Automatica

Dragos Ciurezu
salut

2/22/2023 12:33:41 AM
Automatica si Calculatoare

Alexandru Dragos
Salut si eu

Disconnect [→

➤

_ X

Groups: **Grupul lui Bobo**

Dragos Alexandru

| Grupul lui Bobo |
| Grup Masaj |
| Grup pentru mare |

Home 🏠
Chat 👥
Add New Group 👤+
University 🎓
Settings ⚙️

test
5/24/2022 8:00:07 PM

Dragos Ciurezu
saluut
5/24/2022 8:00:10 PM

Dragos Ciurezu
merge
5/24/2022 8:00:15 PM

Bara Bogdan
ce faci?
5/24/2022 9:39:56 PM

Dragos Ciurezu
saluut
5/25/2022 10:43:23 AM

Dragos Ciurezu
Dragos
5/25/2022 10:44:12 AM

Tigauan Claudia
salut, suntem la facultate si prezentam proiectul
5/25/2022 10:46:52 AM

Dragos Ciurezu

Disconnect [→

➤

_ X

Dragos Alexandru

Home 🏠
Chat 👥
Add New Group 👤+
University 🎓
Settings ⚙️

Grup Studiu   Capacity: 2/10
grup nou test   Capacity: 1/10

Join Selected Group

Join in a Group   OR   **Create a new Group**

5. Note App

This project is a Java Swing application designed to help users create, edit, and delete notes. Although it was developed two years ago before to study databases, it remains a useful tool. Data is saved in a file, and certain information is encrypted to ensure its security. The application is relatively simple, and each registered user can only access and view their own notes, providing an added layer of privacy.

View all my notes

Sat May 22 02:06:38 EEST 2021 _____ ooo
Sat May 22 02:06:44 EEST 2021 _____ uuuu
Wed Feb 22 03:13:22 EET 2023 _____ si acum in 2023

Delete selected note

New note:

Add new note

Notes

Settings

Disconnect

Real Name: Ana are mere foarte multe

Username: dragos

Age in Years: 18

Email: dragos@yahoo.com

Password

Save Changes

Notes

Settings

Disconnect