

# Project GoGreen:



OOP Project Group 53

# The Problem

- Globalized supply chain
- Non-renewable energy resources
- Transportation methods



# Concept

- Computer Software application
- Activity recommendations to help prevent/reduce CO2 emissions
- Tracking CO2 emission prevention



# Design values & principles

- User Gratification & Gamification
- Intuitiveness
- Scalability
- Working towards the greater good



DEMO

# Reflection

- We learned how to **work in a team**.
- We learned how to use **version control**.
- We learned effective **techniques of software development**.
- We learned to **self-teach** the necessary tools/technologies.

Q&A



**Backup slides**



# Main Features:



Login Screen



Transportation



Signup Screen



Profile



Main Screen



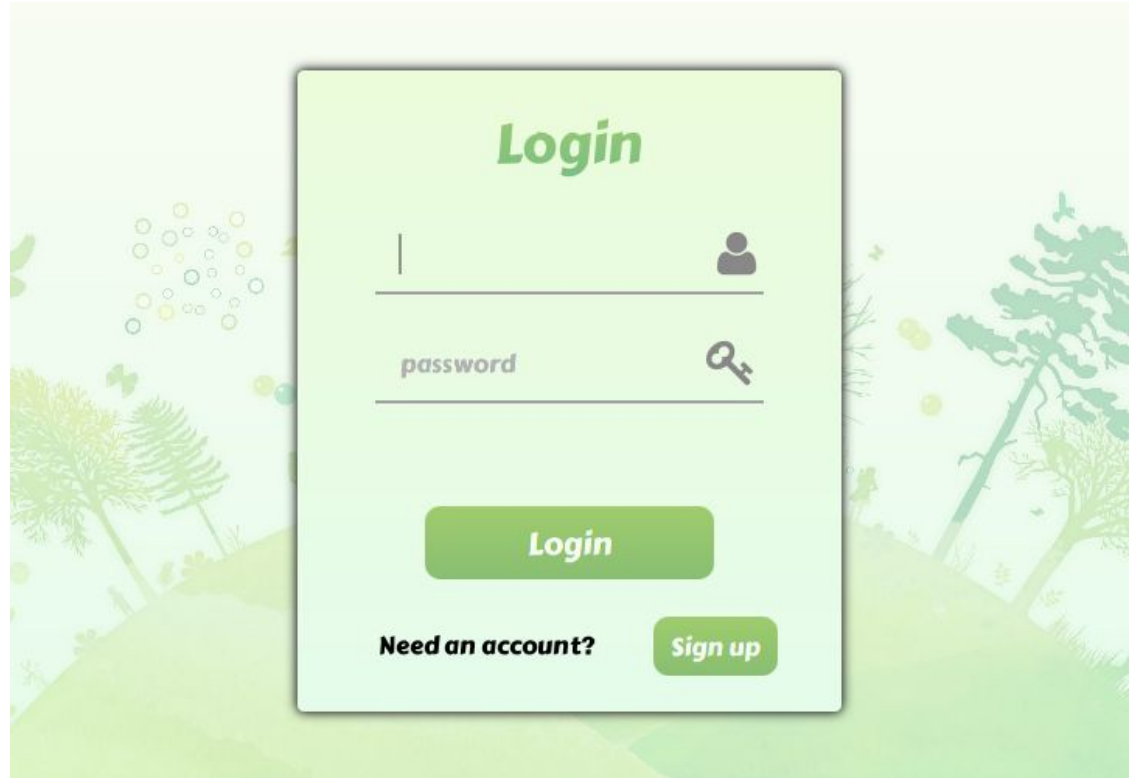
Leaderboard

# Login Screen



## Functionality:

- Login/Signup
- MySQL database

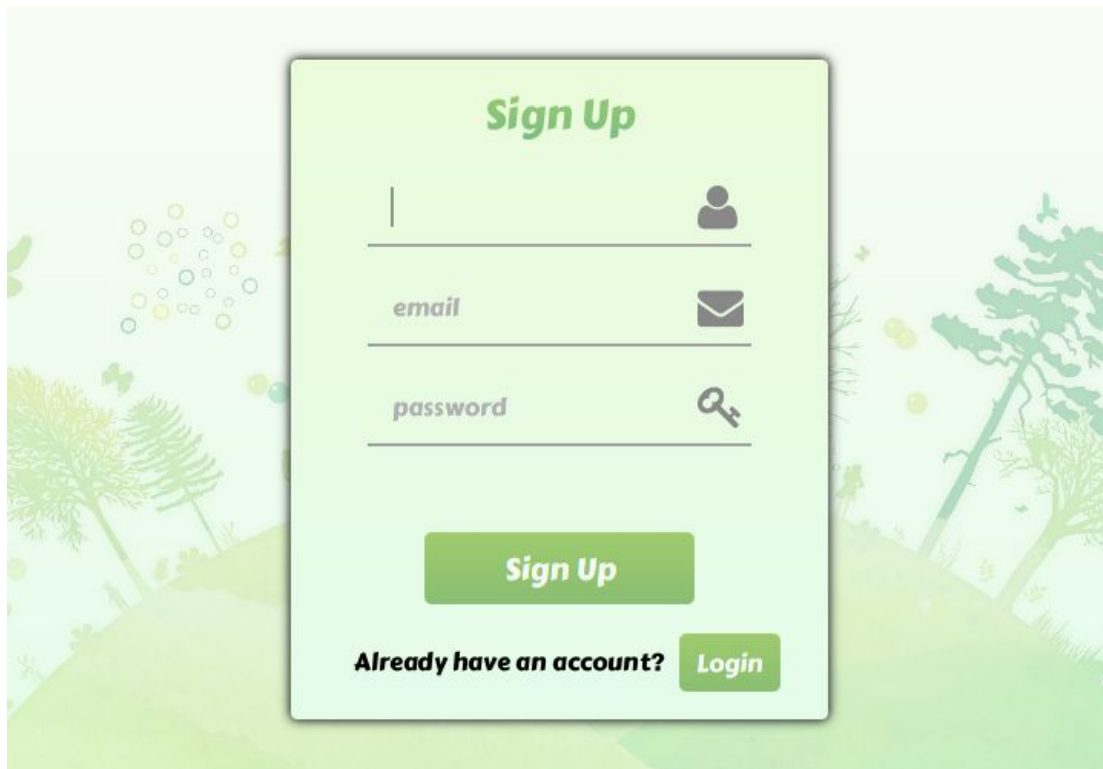


# Signup Screen





- Signup
- Checks whether username/email already exists and informs user\*


\*Bonus feature

A mockup of a signup screen with a light green background and a stylized illustration of a landscape with trees and hills. The screen features a central white box with a green border. Inside the box, the title "Sign Up" is displayed in green. Below the title are three input fields: a username field with a person icon, an email field with an envelope icon, and a password field with a key icon. A green "Sign Up" button is positioned below the input fields. At the bottom of the box, the text "Already have an account?" is followed by a green "Login" button.

**Sign Up**

| 

email 

password 

**Sign Up**

**Already have an account?** **Login**

# Main Screen/Agenda



- Performing different activities prevents certain amount of CO2 emission
- Scalable, we can easily add new type of activities\*
- Transportation includes embedded google maps\*
- Solar panel specifications\*

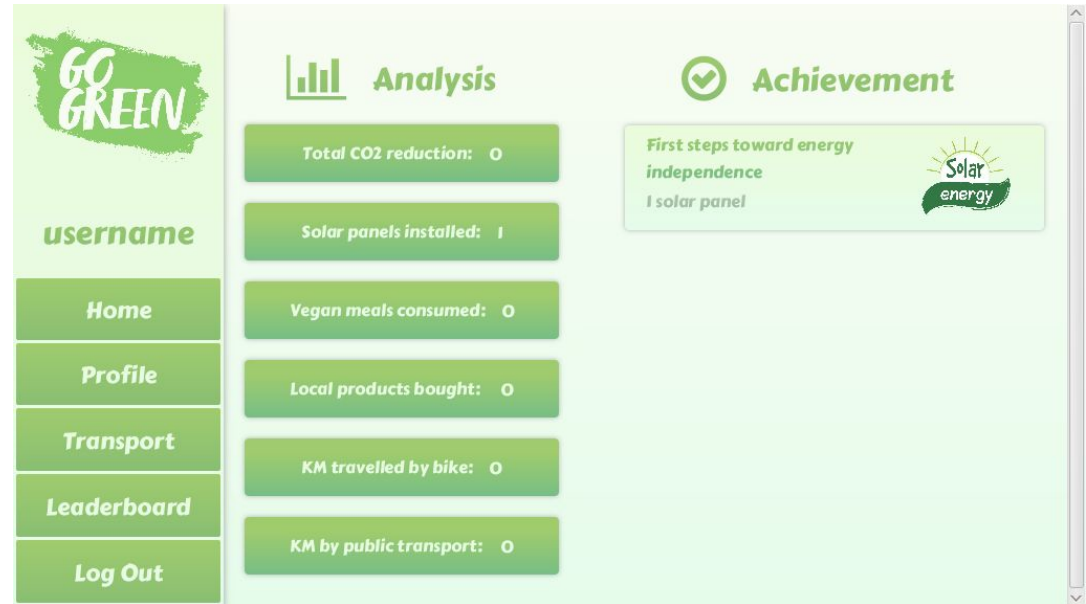


**\*Bonus feature**

# Profile



- Statistics\*
- Achievements\*




\*Bonus feature

# Leaderboard



- Global leaderboard\*



username

Home

Profile

Transport

Leaderboard

Log Out

|  <b>Leaderboard</b> |                             |
|--|-----------------------------|
| Username   | CO2 Emission Prevention(KG) |
| test   | 73350896                    |
| jan  | 2983730                     |
| testIOO  | 0                           |
| junit  | 400                         |
| Sasho  | 6564                        |
| redesign   | 0                           |
| username   | 0                           |

\*Bonus feature

# Libraries & Tools

## Libraries:

- JFoenix Material Design
- Spring Boot
- JavaFX
- Hibernate

## Tools:

- IntelliJ IDE
- Git/Gitlab
- JUnit
- Maven
- Java 11
- SceneBuilder
- Checkstyle
- Continuous Integration/Deployment

# Table of Contents

- The problem
- Concept
- Design
- Features
- Frameworks/Tools
- Demo Time
- Points for improvement
- Q&A session

